

# BIBLIOGRAPHY ON SIZING

- Abrams, E.; Rougeux, C.W.; Coker, J.N. Polyvinyl alcohol as a warp size for various staple yarns. *Textile Research Journal*. 1956, 26, 875–880. In English.
- Adamec, S.; Kubicek, A. Effect of the rheological properties of starches on their sizing capacity. *Textil*; 1986; Vol. 41, 8, 269–277. In Czechoslovakian.
- Adams, R.S. Trouble-shooting in daily operation of a slasher. *Canadian Textile Journal*. 1987, 104(2), 22–26. In English.
- Adams, S. How to troubleshoot your slasher for effective PM. *Textile World*; November; Vol. 137, 11, 65–67. In English.
- Adams, S.; Hansley, M. Sizing for the M8300 & other high speed weaving machines, in *Slashing Update 1999*; Clemson University: Clemson, SC., November 30–December 1, 1999. In English.
- Adams, R.S.; Hall, D.M. Spun yarn lubrication: a comparison of overwax application to size box application, *Book of Papers, 1986 International Conference and Exhibition, AATCC, Research Triangle Park, NC 27709, 187–202*. In English.
- Aggarwal, S.K.; Balasubramanian, G. Effect of stretch [during sizing] on frequency distribution of breaking elongation of sized yarns and their weavability. *Indian Journal of Textile Research*. September, 1986, 11(3), 146–149. In English.
- Aggarwal, S.K. Contribution of processes subsequent to spinning to the hairiness of yarns and their weavability: a review, *ATIRA Technical Digest*; 1987; Vol. 21, 1, 8–18. In English.
- Aggarwal, S.K. Getting the best out of existing pneumatically-loaded squeeze systems in sizing. *Journal of the Textile Association, (India)*; 1987; Vol. 48, 1, 12–19. In English.
- Aggarwal, V.K. Evaluation of starch and acrylic size. *Indian Journal of Textile Research*. 1987, 12(2), 97–99. In English.
- Aggarwal, S.K.; Hari, P. K. Yarn quality, sizing, and weavability, *ATIRA Communications on Textiles*; 1990; Vol. 24, 4, 137–144. In English.
- Aggarwal, S.K.; Hari, P.K.; Subramanian, T.A. Evaluation of Classimat faults for their performance in weaving. *Textile Research Journal*. 1987, 57, 735–740. In English.

- Aibashev, M. Zh.; Bulusheva, N.E.; Volkov, V.A.; Ondin, V.N. Effect of the polymer mixture composition on the strength characteristics of sized yarns and the quality of desized fabrics, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1995; Vol. 5, 51–55. In Russian.
- Ajmeri, J.R. Squeeze roller system, *Textile Magazine (Madras)*; May, 2002; Vol. 43, 7, 54–55. In English.
- American Association of Textile Chemists and Colorists (AATCC), Influence of selected size components on preparability and dyeability, *Textile Chemist and Colorist*; 1986; Vol. 18, 1, 21–26. In English.
- American Association of Textile Chemists and Colorists (AATCC), Sizing: the total perspective, *Textile Chemist and Colorist*; 1991; Vol. 23, 6, 31–38. In English.
- American Association of Textile Chemists and Colorists (AATCC), Trouble shooting and innovations in slashing, *AATCC Warp Sizing Symposium*; 1999 In English, 3–4.
- American Cotton Handbook, Synthetic warp sizes; *The American Cotton Handbook Interscience*: New York, 1966, 550–558. In English.
- Ammann, F. Influence of size viscosity on the amount of size weighting, *Textil Praxis International*. 1973, 28(12), 671–675. In German.
- Anandjiwala, R.D.; Goswami, B.C. Tensile fatigue behaviour of staple yarns. *Textile Research Journal*. 1993, 63, 392–403. In English.
- Anandjiwala, R.D.; Goswami, B.C. Reply to ‘‘Comments on Tensile Fatigue Behaviour of Staple Yarns’’. *Textile Research Journal*. 1994, 64, 491–492. In English.
- Anandjiwala, R.D.; Carmical, M.; Goswami, B.C. Tensile properties and static fatigue behaviour of cotton warp yarns. *Textile Research Journal*. 1995, 65, 131–149. In English.
- Anderson, D. Some Characteristics of MVS yarn; *Clemson University, Slashing Technology*: Clemson, In English, 2000, March, 28–29.
- Anderson, G.M. Slashing textured polyester, *Textile Industries*; 1975, May; Vol. 139, 79–80. In English.
- Andronic, V.; M., Tautan Improvements to sizing recipes for polyester/cotton fabrics, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1986; Vol. 37, 2, 68–72. In Romanian.
- Angstmann, D.; Bassing, D. Sizing agents and their removal as viewed by the textile processor, *Textil Praxis International*; 1991; Vol. 46, 12, + XIX–XXIV. 1328–1337, In German and English.
- Anon. 10<sup>th</sup> International Sizing Symposium/8<sup>th</sup> Denkendorf Sizing Colloquium on 9/10 December 1992 in Denkendorf, *Melliand Textilberichte*; 1993; Vol. 74, 2, 126–128. In German.
- Anon., Beam winder, *International Textile Bulletin*; 1998; Vol. 44, 1, 102. In English.
- Anon., Constant sizing quality with new sizing System, *Chemiefasern/Textilindustrie*; 1994; Vol. 44/96, 9, 593–594 + E81–82. In German and English.
- Anon., Glass fiber coating composition, *Research Disclosure*; 1994; Vol. 368, 694. In English.

- Anon., Size application measuring and control system, Melliand International; 1996; Vol. 2, 77. In English.
- Anon., Size-o-matic sets the pace in sizing. *Indian Textile Journal*; July, 1999; Vol. 109, 10, 110–112. In English.
- Anon., Sizing composition for glass fibers used to reinforce plastics, *Research Disclosure*; 1996; Vol. 381, 30. In English.
- Anon., Sizing today, *Industrie Textile*; 1994; Vol. 1260, 12, 40–43. In French.
- Anon., Benninger SaveSize prewetting sizing system, *Textile World*; April, 2001; Vol. 151, 34–36. In English.
- Anon., Demand from mill led to development of this cooking installation, *South African Textiles*; 1969, August, 18:50.
- Anon., Filamaster Express 610 for high speed sizing, *Indian Textile Journal*; October, 1998; Vol. 109, 125–126. In English.
- Anon., Jupiter's warping & sizing machines. *Indian Textile Journal*. June, 2002, 112(9), 34. In English.
- Anon., Process and apparatus for impregnating yarns, *Research Disclosure*; 1987, October; Vol. 282, 622. In English.
- Anon., Sizing in the magic triangle, *Kettenwirk-Praxis*; 2002; Vol. 36, No 2, 31–33. In English.
- Anon., Sizing machine for filament yarns, *International Textile Bulletin*; 3rd Quarter 1998; Vol. 44, 3, 105. In English.
- Anon., Sizing of man-made fiber yarns, *Textile Mercury International*; 1964, April, 14. In English.
- Anon., Sizing short fibers, *Tecnica Textil International*; May–June, 2001; Vol. 45, 3, 20–25. In Spanish.
- Anon., Strandberg: Size-Rite 1602 Combo on-line percent solids sensor for slashers, *Textile World*; April, 1998; Vol. 148, No 4, 53–54. In English.
- Anon., Superior size-saver, *Textile Asia*; July, 2000; Vol. 31, 38–39. In English.
- Anon., Textile slashing: highlights from a summer short course at auburn University, Auburn, AL; *Textile Bulletin*, December, 1962, 38–40. In English.
- Anon., Tips on polyvinyl alcohol sizing, *Textile Bulletin*; 1967, July, 42. In English.
- Anon., Wet on wet processing for high quality sizing, *Textiles Panamericanos*; September-October, 1999; Vol. 59, 5, 94–97. In Spanish.
- Arnold, W.; Fink, H. Effect of water content on the dynamic and mechanical properties of size films, *Melliand Textilberichte International*; 1973; Vol. 54, 3, 208–211. In German.
- Artemov, A.V.; Sidorova, T.P.; Pavlova, V.V. Effect of polyethylene glycol additives on the sizing of wool yarns, *Tekhnlogiya Tekstil'noi Promyshlennosti*. 1996, 6, 56–59. In Russian.
- Aspey, H.U. Practical aspects involved in sizing of polyester including staple blends, textured and filament yarn, *Third International Sizing Symposium: Manchester, England*; 1977, 243–254. In English.
- Athar, T. Acrylic size for polyester cotton blends—a communication to the editor. *Textile Research Journal*. 1983, 53, 791–792. In English.

- Auburn University, Textile Slashing Manual, Department of Textile Engineering; Auburn University: Auburn, AL, 1968. In English.
- Bailey, F.T.; Morgan, S.E. Warp tension control means for slasher, USP 3, 429, 016; February 25, 1969. Applied January 18, 1967. In English.
- Baird, G.S.; Griffiths, A.L. The advantage of CMC as a warp size, *Modern Textiles*; June 1965; Vol. 46, 59–60, 65. In English.
- Bandyopadhyay, B.N.; Kabra, R.S. Studies on acrylic terpolymers for sizing and finishing of textiles, *BTRA Scan*; 1990; Vol. 21, 4, 13–19. In English.
- Bardavidze, A.S.; Baumshstein, I.P.; Kozlov, A.B. Optimum control of the drying of a sized warp, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1985; Vol. 4, 166, 78–82. In Russian.
- Bardavidze, A.S.; Epifanov, A.D.; Kozlov, A.B. Improving the quality of temperature control at the surfaces of drying cylinders in sizing machines, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1985; Vol. 1, 163, 121–123. In Russian.
- Bardavidze, A.S.; Pelevina, N.S.; Mikhailova, M.P. Study on the drying of sized cotton warps, *Tekstil'naya Promyshlennost'*; 1985; Vol. 45, 5, 54–55. In Russian.
- Bardavidze, A.S.; Kozlov, A.B.; Nagariay, A.S. Digital Control of the drying section of the drying part of a cylinder sizing machine, *Tekstil'naya Promyshlennost'*; 1987; Vol. 47, 8, 39–40. In Russian.
- Barella, A. The effect of sizing on weavability of cotton yarns—a letter to the editor, *Journal Textile Institute*; 1967; Vol. 58, 85–87. In English.
- Barkenings, D. Automatic Range for Size Preparation and for Loading the Sizing Machine, *Deutscher Farber–Kalender 1986* (ISBN, 1967, 3–87150-229–4), 26–33. In German.
- Barkenings, D. Better sizing from automation in the sizing kitchen, *Textil Praxis International*, [with English supplement]; 1988; Vol. 43, 7, 710–711 + V. In German and English.
- Barmag Barmer Maschinenfabrik and Tsudakoma Corp. A.G. Draw-sizing cooperation, *Textile Horizons*; 1987; Vol. 7, 8, 14. In English.
- Barmag, A.G. Draw warping and draw sizing: two new processes for weaving and knitting mills, *Textil Praxis International* [with English supplement]; 1988; Vol. 43, 8, 800–801 + III. In German and English.
- Bauer, H. Findings of the sizing of rotor-spun man-made fiber yarns, *Chemiefasern/Textilindustrie*; June; Vol. 25/77, 6, 535–536, 538–539, 541–543. In German.
- Baur, H. Sizing and desizing without polluting the environment, *Chemiefasern/Textilindustrie*; 1975; Vol. 25/77, 2, 134, 136. In German.
- Bauer, H. Practical hints to optimize warp sizing, *Melliand Textilberichte* [with English translation]; 1987; Vol. 68, 1, 22–24 + E10–E11 In German and English.
- Bauer, H. Sizing-trends for high-production weaving, *Chemiefasern/Textilindustrie*; 1987; Vol. 37/89, 2, 126–131. In German.
- Bauer, H. Environmentally friendly sizing products—cost-saving cold sizing procedures, *Chemiefasern/Textilindustrie*; 1991; Vol. 41/93, 9, 1097–1103. In German.

- Bauer, H. Practical experience with the new cold sizing process Chimgel-sizing, *Chemiefasern/Textilindustrie*; 1994; Vol. 44, 5, 281 + E31. In German and English.
- Bayazeed, A.; Trauter, J. Investigation on changes in physical and technological properties of water-soluble sizing agents during the ultrafiltration process. III. Ultrafiltration of composite sizes of polyacrylic acid and starch, *Textil Praxis International*; 1992; Vol. 43, 3, 220–229 + XV–XIX. In German and English.
- Bayazeed, A.; El-Rafie, M.H.; El-Tahlawy, K.F. Polyacrylic acid/hydrolysed starch mixture as recoverable sizing agent, *Melliand Textilberichte*; 1996; Vol. 77, 5, 294–298 + E62–64 In German and English.
- Bearden, E. Warp sizing gets in step with the weaving revolution, *America's Textiles International*; October, 1987; Vol. 16, 10, 74–78. In English.
- Beasley, D.R. Modern systems can control slashing yarn tension, *Textile World*; 1991; Vol. 141, 1, 56–58. In English.
- Behera, B.K.; Hari, P.K. Size recipes for low-humidity weaving of cotton yarn, *Indian Journal of Fibre and Textile Research*; 1994; Vol. 19, 2, 67–70. In English.
- Behera, B.K.; Hari, P.K. Weaving performance of polyester blended sized yarns. Roles of size recipe and high squeeze pressure, *Indian Journal of Fibre and Textile Research*. June, 1993, 18(2), 66–68. In English.
- Behera, B.K.; Joshi, V.K. Improving weavability, *Asian Textile Journal*. September, 2000, 9, 47–54. In English.
- Behera, B.K.; Pakhira, A. Studies on structural changes in and damage to polyester-fibre continuous-filament yarn during sizing. *Journal of the Textile Institute*. 1998, 89(3, Part 1), 515–521. In English.
- Bell, J.D. Waxes for warp sizing, in 1981 Textile Slashing Short Course, Lecture Notes; Auburn University: Auburn AL, 1981, 97. In English.
- Bellany, C.; Richard, J.; Bailey, C. Book of Papers 1987 International Conference and Exhibition (AATCC), Research Triangle Park; NC 1987, 7–12. In English.
- Benninger, Zell GmbH New compact drier for Ben-Procom sizing system, *Chemiefasern/Textilindustrie*; 1994; Vol. 44/96, 5, 282 + E32. In German and English.
- Benninger, Zell GmbH Compact drier for sizing systems, *Melliand Textilberichte*; 1994; Vol. 75, 10, 814 + E209. In German and English.
- Benninger, Zell GmbH Advanced sizing control system, *Textile Horizons*; 1994; Vol. 14, 1, 35. In English.
- Benninger, Zell GmbH Sizing machine with advanced control system, *Chemiefasern/Textilindustrie*; 1994; Vol. 44/96, 1–2, 63 + E5. In German and English.
- Benninger, Zell GmbH Sizing with an advanced control system, *Melliand Textilberichte*; 1995; Vol. 76, 1/2, 37–38 + E11. In German and English.
- Beravs, F.; Kotlovsek, J. Comparison of the rheological and technological properties of acrylated starches, *Tekstilec*; 1986; Vol. 29, 4, 124–131. In Slovenian.
- Bercsenyi, L.G.; Kovacs, J. Sizing with urea-modified starches, *Melliand Textilberichte*; 8/1980; Vol. 61, 688–690.

- Bercsenyi, L.G.; Kovacs, J. Wheat-starch-based size, *Kolorisztikai Ertesito*; 1986; Vol. 28, 4, 155–164. In Hungarian.
- Berkovich, A.A.; Imenitov, V.G.; Slutsman, I.A. Intensification of sizing by a thermal shock method, *Textil'naya Promyshlennost'*; 1976; Vol. 36, 4, 66. In Russian.
- Betts, J.A.; Hurt, F.N.; Parker, R. Yarn lubrication. II: Lubrication of cotton yarns, III: Lubrication of staple acrylic yarns, hosiery and Allied Trades Research Association: Nottingham; 1972, Hatra Research Report 23; IV: Lubrication of continuous yarns, Hatra Research Report 24. In English.
- Bisyarina, K.N.; Chernayak, L.A. Investigation of warp stretch on sizing machines, *Textil'naya Promyshlennost'*; 1969; Vol. 29, 2, 29–30., In Russian.
- Bisyarina, K.N.; Chernyak, L.A. Investigation of warp stretch on sizing machines, *Tekstil'naya Promyshlennost'*; 1969; Vol. 29, 2, 29–30. In Russian.
- Blaj, I.; Faur, V. Emulsifiable product for waxing sized yarns, *Industria Usora-Textile, Tricotaje, Confectii Textile*; 1987; Vol. 38, 9, 419–420. In Romanian.
- Blanchard, E.J. Size under study, *Textile Asia*; 1972; Vol. 3, 12, 20–22. In English.
- Blumenstein, C.R. Size and fiber/yarn relationships, Part 1. *Textile Industries*; 1969, June; Vol. 93, 95–97. In English.
- Blumenstein, C.R. Size and fiber/yarn relationships, Part 2. *Textile Industries*; 1969, July; Vol. 133, 55–58. In English.
- Blumenstein, C.R. Size and fiber/yarn relationships. Part 3; Chemistry of filament sizing, *Textile Industries*; 1969, August; Vol. 133, 47–54. In English.
- Blumenstein, C.R. An Introduction to the chemistry and evaluation of polymeric sizes for filaments, *Textile Chemist and Colorists*; 1971; Vol. 3, 41–47. In English.
- Bogucki-Land, B. Warp drawing, *Textile Asia*; 1987; Vol. 18, 1, 61–67. In English.
- Bogucki-Land, B. Draw-warping/draw-sizing: four years of practical experience, *Polyester Textiles*; (Shirley Publication S51); Shirley Institute, Manchester, England, 1988, 23–27. In English.
- Bogucki-Land, B. Practical experience of draw-sizing polyester and polyamide yarns, *Melliand Textilberichte* [with english translation]; 1988; Vol. 69, 6, 397–400 + E204–E205. In German and English.
- Bogucki-Land, B. Experience with draw-sizing [draw-warping] of polyester and polyamide filament yarns, *Chemiefasern/Textilindustrie*; 1991; Vol. 41/93, 2, 107–110. In German.
- Bollen, M. Process control for increasing production and quality assurance in warp preparation and size recovery, *Melliand Textilberichte*; 1992; Vol. 73, 10, 806–809 + E371–E373. In German and English.
- Bollen, M. High quality in warping and size bath recovery process, *Rivista Delle Technologie Tessili*; October, 1993; Vol. 7, 8, 73–78 + VII-VIII. In Italian and English.
- Bordeianu, D.L.; Ciocoiu, M. Bulletin of the Polytechnic Institute of Jassy; 1998; Vol. 44, 1–2 (Section 8), 27–30., In French.
- Bowman, L.E.; Caley, C.G.; Hallen, R.T.; Fulton, J.L. Sizing and desizing polyester/cotton blend yarns using liquid carbon dioxide. *Textile Research Journal*. 1996, 66(12), 795–802. In English.

- Bowman, L.E.; Raede, N.H.; Halle, R.T.; Butenhoff, A. Advances in carbon dioxide based sizing and desizing. *Textile Research Journal*. October, 1998, 68, 732–738. In English.
- Bradbury, E.; Hacking, H. Experimental technique for mill investigation of sizing and weaving. *Journal of the Textile Institute*. 1949, 40, 532–553. In English.
- Bradbury, E. The effect of sizing on warp breakage. *Journal of the Textile Institute*. 1949, 40, 272–276. In English.
- Bradbury, E. The testing of sizes for continuous filament yarns of high filament strength. *Journal of the Textile Institute*. 1949, 40, T299–T310. In English.
- Briscoe, B.J.; Scruton, B.; Willis, F.R. The shear strength of thin lubricant films. *Proc. Roy. Soc. London*. 1973, 99, A333. In English.
- Brock, P.N. Analysis of surfactant lubrication compositions for sizing cotton and polyester/cotton blend warps for air jet weaving and the effect of surfactant lubrication on fabric preparation, Institute of Textile Technology, 2551 Ivy Road: Charlottesville, VA 22903-4613; 1996, M.S. Thesis, In English.
- Broll, W.; Schock, E. Sizing products based on starch, *Melliand Textilberichte International*; 1971; Vol. 52, 3, 269–272. In German.
- Brown, B.J. The nature and incidence of warp breakages in automatic weaving. *Journal of the Textile Institute*. 1949, 40, 301–316. In English.
- Brun, C.; Girardeau, Y.; Pointud, B.; Roberjot, D. Polyester yarn sizing, *Textile Asia*; 1987; Vol. 18, 2, 34–37. In English.
- Brun, C.; Girardeau, Y.; Pointud, B.; Roberjot, D. Sizing of polyester yarns—physico-chemical properties of size and sized yarns, *Melliand Textilberichte* [with English translation]; 1987; Vol. 68, 3, 175–178 + E76–77. In German and English.
- Brusa, F. Recoverable sizing: chemical and physical aspects, *Tintoria*; March, 1999; Vol. 96, 38–41. In Italian.
- Brut-Brulyako, A.B.; Parfenov, D.L. Relationship between warp size and the operating conditions of the size trough, *Tekhnologiya Tekstil'noi Promyshlennost'*; 1975; Vol. 2, 105, 73–76. In Russian.
- Budnik, A.A.; Smirnov, V.M.; Tereshkin, N.N.; Boiko, V.B.; Sidorova, L.D.; Tarasova, N.V. Foam sizing of yarns, *Tekstil'naya Promyshlennost'*; 1993; Vol. 53, 1, 37. In Russian.
- Bullio, P. G. ITMA Report 1991. Slasher sizing Machines, *Nuova Selezione Tessile. Chimica Tintoria Report ITMA*; '91, 11/12, 1991, 108–118 + 185. In Italian and English.
- Buss, E. Systematic process and quality control in the processing of manmade fibers in a modern weaving department. *Chemifasern*; 1969; Vol. 19, 7, 524–527. In German.
- Bykova, I.V. Effect of size temperature on warp yarn quality, *Technology of the Textile Industry USSR*. 1969(5), 61–63. In English.
- Bykova, I.V. Effect of size viscosity on warp yarn quality, *Technology of the Textile Industry USSR*; 1969, 6, 65–67. In English.

- Bykova, I.V.; Kurilova, V.A.; Volkova, N.V.; Smirnova, I.V. Improving the sizing of cotton warps, *Tekstil'naya Promyshlennost'*; 1976; Vol. 36, 10, 51–52. In Russian.
- Calchi Novati, E. Modern sizing machines, Part I, *Panorama Tessile*; 1968, March/April; Vol. 5, 12–17. In Italian.
- Calhoun, L.M. Sizing filament yarns, *Textile Industries*; Sept. 1964; Vol. 128, 136–138, 153–154. In English.
- Calin, L.; Stancinc, C.; Ungureanu, G. Improved organisation of sizing technology, *Industria Textila*; 1969; Vol. 20, 7, 491–496. In Romanian.
- Castagnari, D. I. Sizing agents and their importance in the processing of synthetic fibres, *Revista Textil*; 1992; Vol. 62, 6, 27–32. In Portuguese.
- Chabert, J.; Viallier, P. Possibilities of saving energy in sizing by squeezing and drying, *Melliand Textilberichte*; 8/1980; Vol. 61, 684–687. In German.
- Chakraborty, M.; Parmar, M.S.; Satsangi, S.S.; Prakash, J. Lubricant sizing, *Textile Asia*; 1994; Vol. 25, 3, 51–54. In English.
- Chakraborty, M.; Parmar, M.S.; Satsangi, S.S.; Prakash, J. Lubricant vs. size, *Textile Asia*; 1993; Vol. 24, 8, 50–54. In English.
- Chemische Fabrik Stockhausen & Cie, Liquid size for weaving preparation, *International Textile Bulletin, World Edition, Weaving*; 3/1967, 20–22. In English.
- Chen, G.A. On-line measurement of size viscosity in the slasher. *Journal of the China Textile Institute*. 1993, 3(1), 21–24. In Chinese.
- Chen, G.A. The measurement and control of sizing. *Journal of the China Textile Institute*. 1994, 4(2), 105–110. In Chinese.
- Chen, J.W.; Nishimura, T.; Nakamura, Y.; Kase, S.; Inoue, K.; Kondo, T. Sizing process using water-soluble vinylon filaments. II. Use of rewinding twist of starch filaments. *Journal of the Textile Machinery Society of Japan*. 1990, 43(12), P691–P695. In Japanese.
- Chen, Y.; Kampen, W.H.; Despa, S.; Collier, B.J.; Collier, J.R.; Negulescu, I.I. Evaluation of corn-protein isolate starch for warp sizing application, *AATCC Book of Papers*; Sept. 28–Oct. 1, 1997, 525. In English.
- Chimitex Cellchemie GmbH, Chingel sizing—a new cold sizing method, *Melliand Textilberichte*; 1993; Vol. 74, 8, 734 + E273. In German and English.
- Ciocoiu, I.I.; Liute, D.; Druta, I.; Ciocoiu, I.; Minea, A. Aspects of sizing fine polyester yarns, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1986; Vol. 37, 11, 490–493. In Russian.
- Clark, I.E.; Hearle, J.W.S.; Taylor, A.R. A multistation apparatus for fatiguing fibers in various environments. *J. Phys. Sci. Instrum.* 1980, 13, 516. In English.
- Clemson University, Book of Papers, Slashing Update 1999; Clemson University: Clemson, SC, November 30–December 1, 1999. In English.
- Clemson University, Slashing Technology: Clemson, SC; March 28–29, 2000. In English.
- Conroy, L. Warp preparation For continuous-filament synthetic yarns, *Industrie Textile*; June, 1988, 1189, 615–619. In French.



- Cook, H. Stretch/tension considerations for sizing machines, Clemson University, Slashing Technology; Clemson, SC; March 28–29, 2000. In English.
- Cotney, A.D.; Featherstone, E. Sizing today: relying on computers, *Textiles Panamericanos*; 1990; Vol. 50, 4, 124–126. In Spanish.
- Czerwin, E.P. Warp size trends favour PVA, *Modern Textiles*; Dec. 1966; Vol. 47, 29–30, 32, 34. In English.
- Das, S.; Chowdhury, S.K. Simultaneous reeling and sizing of tasar [tussah] silk. *Asian Textile Journal*. November, 1992, 50–51. In English.
- Davis, L.C. Modern sizing lubricants, in 1983 *Textile Slashing Short Course Proceedings*; Auburn University: Auburn, AL, 1983, 29. In English.
- Davydova, A.F.; Gandurin, L.I.; Altukhova, L.V. Modern sizing agents for man-made filament and spun yarn, *Tekstil'naya Promyshlennost'*. 1985, 45(5), 51–52. In Russian.
- de Loach, F. Warp sizing compounds, *Textile Slashing Short Course Lecture Notes*; Auburn University: Auburn, AL, 1965, 120–128. In English.
- Deng, H. Increasing solution speed (the dissolving rate) of PVA by using surface-active agent. *Journal of Textile Research, China, Textile Eng. Soc.*. 1987, 8(8, August), 495–497. In Chinese (English summary).
- Denkler, M.; Habereeder, P. Is the starch size dead? *Textil Praxis International*. 1975, 30(5), 577–578. In German.
- Deroche, P.Y. Adhesive capacity in sizing, *Textile Asia*; 1987, 17, 7, 58–59. In English.
- Derradji, M. Pre-wetting: a promising comeback, *Industrie Textile*; May, 2000, 1320, 57–59. In French.
- Derradji, M.; Houillon, L. Sizing, *Industrie Textile*; 1996; Vol. 1272, 1, 43–45. In English.
- Derradji, M.; Houillon, L. Sizing, *Industrie Textile*; October, 1999, 1313, 41–43. In French.
- Devi, B.; Baruah, B. Sizing of cotton, silk fabrics. *Indian Textile Journal*. December, 1997, 108(3), 58–63. In English.
- Dimitrovski, K. State and development trends in the preparation for weaving phase, *Tekstilec*; 1999, 43–62. In Slovenian.
- Dobel, W.; Müller-Litz, W. Detection of sizing agents by spectrofluorometric analysis, *Melliand Textilberichte*; 1996; Vol. 77, 5, 298–300 + E64–65. In German and English.
- Docheva, N.; Slavov, G. Sizing cotton with starch/carboxymethyl cellulose mixtures. *Text. Prom. (Sofia)*; 1969; Vol. 18, 9, 30–33. In Bulgarian.
- Dockery, A. Getting the yarn to the loom, *America's Textiles International*; November, 1994, 54–62. In English.
- Doke, S.; Mhaisgawali, V.T. Study of sizing of single worsted warp, *Wool & Woollens of India*; October–December, 1999; Vol. 36, 4, 25–28. In English.
- Doke, S.S.; Dedhia, K.S. Study of sizing of single worsted yarn, *Wool & Woollens of India*; January–March, 2001; Vol. 38, 1, 7–11. In English.

- Dolecki, M.; Knorr, A.; Mazur, J.; Zadło, J. Study of sizing on a laboratory sizing machine designed by the Instytut Włokiennictwa, Prace Instytut Włokiennictwa; 1969; Vol. 19, 163–187. In Polish.
- Dolecki, S.K. The causes of warp breaks in weaving of spun yarns. Journal of the Textile Institute. 1974, 65, T68–T74. In English.
- Dudzik, M. Determining the composition of sizing agents for warp yarns on the basis of their bonding force, *Technik Włokienniczy*; 1987; Vol. 36, 7, 199–200. In Polish.
- Durand, B.; Viallier, P.; Mheidle, M.; Exbrayat, E.; Schutz, R. Controls before and during sizing, *Textile Asia*; 1987; Vol. 18, 4, 70–78. In English.
- Durrbeck, H.; Leitner, H.; Schopke, H. Acrylic sizing agents for filament yarns, *Chemiefasern/Textilindustrie* [with English translation]; 1987; Vol. 37/89, 6, 576–580 + E65–E67. In German and English.
- Durrbeck, P.; Leitmer, H. Environmentally acceptable, high-quality acrylate sizing systems, *Melliand Textilberichte*; 1991; Vol. 72, 10, 819–823 + E332–E334. In German and English.
- Dzhamankulov, K.D.; Dzhamanakulov, A.K. Automatic control of the warp tension on a sizing machine, *Tekstil'naya Promyshlennost'*; 1992; Vol. 52, 8, 24–25. In Russian.
- Dzokic, D.; Jovic, D. Study of modern warp sizing. I: Chemical and technological aspects, *Tekstil*; 1986; Vol. 35, 9, 663–674. In Serbo-Croatian.
- Dzokic, D.; Jovic, J. Study of modern sizing. Part II: Effect of warp characteristics and the characteristics of the size box on sizing, *Tekstil*; 1986; Vol. 35, 10, 773–780. In Serbo-Croatian.
- Dzokic, D.; Milovanovic, M.; Novakovic, M. Technical feasibility of recovering polyvinyl-alcohol and polyacrylate sizes, I. *Hemijska Vlakna*; 1992; Vol. 32, 1/2, 14–19. In Serbo-Croatian.
- Dzokic, D.; Milovanovic, M.; Novakovic, M. Technical feasibility of recovering polyvinyl-alcohol and polyacrylate sizes, II. *Hemijska Vlakna*; July/December, 1992; Vol. 32, 3/4, 3–8. In Serbo-Croatian.
- E. I. du Pont de Nemours & Co., Improved warp size for blends, *Textile Chemist and Colorist*; 1969; Vol. 1, 25, 56–57. In English.
- Ehrler, J. Spun yarn sizing with polyacrylics, in *Third International Sizing Symposium*; Shirley Institute: Manchester, England, 1977, 163–178. In English.
- El Mogahzy, Y. E.; Perkins, W.S. Effect of creep-related over drying in sizing on warp characteristics and weaving performance. *Textile Research Journal*. 1992, 62(6), 317–324. In English.
- Ellis, P. ITMA Survey 22: warping and sizing, I. *Textile Asia*; 1992; Vol. 23, 4, 39–57. In English.
- Ellis, P. ITMA Survey 26: warping and sizing, II. *Textile Asia*; 1992; Vol. 23, 5, 16–24. In English.
- Ellis, T.M. Environmental friendliness: zero effluent spun yarn slashing, *Textile Chemist and Colorist*; 1996; Vol. 28, 4, 21–22. In English.

- El-Sawy, N. M.; Abo-Shosha, M. H.; Abd El-Ghaffar, M. A.; Ibrahim, N.A. Preparation of poly(AA)/PVA and poly(Aam)/PVA composites and their use in sizing and resin finishing of cotton fabric, *American Dyestuff Reporter*; 1993; Vol. 82, 10, 60–63. In English.
- Emel'yanov, L.I.; Smirnov, E.I. Use of an antistatic agent in sizing or emulsion dressing, *Tekstil'naya Promyshlennost'*; 1976; Vol. 36, 5, 44.. In Russian.
- Emrey, D. Common problems with slashing, in *Troubleshooting and Innovations in Slashing, AATCC Warp Sizing Symposium*; March 3–4, 1999, 33–40. In English.
- Emrey, D. New developments in slashing for spun and filament yarns, in *Slashing Update 1999*; Clemson University: Clemson, SC, November 30–December 1, 1999. In English.
- Emrey, D. Pre-wet sizing spun and filament here to stay?; *Clemson University, Slashing Technology*: Clemson, SC, March 28–29, 2000. In English.
- Ershov, A.A.; Tsailingol'd, V. L.; Lopashina, O.P.; Gandurin, L.I.; Kozlova, O.K. Interaction of acrylic copolymers with polyester fibers, *Zhurnal Prikladnoi Khimii*; 1991; Vol. 64, 3, 613–617. In Russian.
- Evlanova, E.M.; Ganzyuk, L.I. Use of adhesives in size baths for treating cotton yarns, *Tekstil'naya Promyshlennost'*; 1992; Vol. 52, 5, 20–21. In Russian.
- Exbrayat, P.E. A future way for sizing in view of new technological advancements in spinning and weaving, *Melliand Textilberichte*; 1992; Vol. 73, 1, 28–32 + E10–E13. In German and English.
- Exbrayat, P.E. ITMA '91: trends and innovations: sizing, *Industrie Textile*; January, 1992; Vol. 1228, 43–45. In French.
- Exbrayat, P.E.; Donze, J.J.; Schutz, R.A.; Kohan, J. Emission control and recycling of sizes by ultrafiltration, *Melliand Textilberichte*; 8/1980; Vol. 61, 682–684. In German.
- Faasan, N.J.; van Hartan, K. The effect of sizing on the weavability of cotton yarns. *Journal of the Textile Institute*. 1966, 57, T269–T285. In English.
- Faasan, N.J.; van Hartan, K. The effect of sizing on the weavability of cotton yarns—Reply to, a letter to the editor. *Journal of the Textile Institute*. 1967, 58, 87–88. In English.
- Fazylov, A.I.; Khamraev, A.L.; Mavlyakov, A.; Zakirov, I.Z. Mixture of water-soluble polymers for sizing cotton yarns, *Tekstil'naya Promyshlennost'*; 1992; Vol. 52, 8, 25–26. In Russian.
- Fedorenko, N.A.; Parfenov, D.L. The influence of the temperature conditions in the drying of sized yarn on the yarn properties, *Technology of the Textile Industry USSR*; 1968, 6, 59–63. In English.
- Fedorenko, N.A.; Parfenov, D.L. Technological analysis of contact drying of sized yarn, *Tekhnologiya Tekstil'noi Promyshlennosti'*; 1969, 71, 81–84. In Russian.
- Fedorenko, N.A.; Vlasov, P.V. Technological parameters for the automatic regulation of the size pick-up in the sow box, *Technology of the Textile Industry USSR*; 1970, 6, 75–78. In English.

- Feikema, J.G.; Faasen, N.J. Studies on the warp sizing of polyester/cotton and polyester/viscose yarns for weaving. *Tex.* 1970, 29(4), 290–296. In Dutch.
- Fiedler, H. Drive and control technology for sizing machines and its influence on economic viability. *International Textile Bulletin. Fabric Forming.* 1991, 37, 13–20. In English.
- Fiedler, H. Sizing system with diagonal dryer, *Chemiefasern/Textilindustrie*; 1991; Vol. 41/93, 5, 560 + E73. In German and English.
- Fiedler, H. Ways of automating the sizing room. *Tekstil.* 1988, 37(5), 287–294. In Serbo-Croatian.
- Fomicheva, T.N.; Makhover, V.L. Optimizing the adhesion of sizing agents to yarns, *Tekhnologiya Tekstil'noi Promyshlennost'*. 1987, 6(180), 61–64. In Romanian.
- Franklin, J. Practical sizing in Slashing Update 1999; Clemson University: Clemson: SC, November 30–December 1, 1999. In English.
- Frehn, K.H.; Scherrer, A. Cutting set-up times in filament sizing, *Melliand Textilberichte/International Textile Reports (German Edition)*; September, 2000; Vol. 81, 716–717 + E165–E166. In German and English.
- Friedman, H.L.; Miller, B.; Kepka, S.; Moreau, J.P. Abrasion studies of sized cotton yarns before and after weaving. *Textile Research Journal.* 1989, 59, 622–629. In English.
- Friedman, H.L.; Zhou, Y.Y.; Miller, B. Development of Hairiness of sized warp yarns during flexabrasive wear. *Textile Research Journal.* 1989, 59, 495–500. In English.
- Frontczak-Wasiak, I.; Snycerski, M.; Rybicki, E.; Hankiewicz, J. Evaluation of the usefulness of modified casein as a sizing agent for warp threads, *Fibres and Textiles in Eastern Europe*; April-June, 1999; Vol. 7, 2, 53–55. In English.
- Furket, F. Report and status statement on draw-warping and draw-warp sizing, *Melliand Textilberichte*; 1990; Vol. 71, 12, 955–958. In German.
- Galbraith, R.L. Abrasion of textile surfaces, Chapter 5, in *Surface Characteristics of Fibers and Textiles*. Vol. 1. Schick M.J., Ed.; Marcel Dekker: New York, NY, 1975. In English.
- Gandhi, K. Pre-wet gains. *Textile Month.* September, 1999, 18. In English.
- Gandhi, K.; Xing, X. Sizing of single worsted yarns. *Textile Asia.* 1996, 27(11), 58–66. In English.
- Gandurin, L.I. Use of acrylic polymers in the Sizing of synthetic fiber yarns, *Magyar Textiltechnika*; 1987; Vol. 40, 1, 18–20. In Hungarian.
- Gangopadhyay, U.K.; Bharati, R.N.; Shaikh, R.A. Superior quality synthetic binders to eliminate fibrous ball formation in heavy reeds sorts on air-jet weaving machines. *BTRA Scan.* June, 1999, 30(2), 4–6. In English.
- Ganzyuk, L.I.; Yarkova, O.F.; Konodyuk, A.S.; Stasek, N.K. Study of the sizing and weaving of cellulosic yarns sized with lignin sulphonate/starch size. *Tekhnologiya Tekstil'noi Promyshlennost'*. 1986, 1(169), 55–57. In Russian.
- Ganzyuk, L.I.; Storozh, G.F.; Busova, N.L. weaving of cellulose-containing yarns sized with lignin sulphonate/acrylamide size. *Tekhnologiya Tekstil'noi Promyshlennost'*. 1986, 3(171), 61–63. In Russian.

- Ganzyuk, L.I.; Korchinskaya, M.A. Weaving of cotton yarns sized with lignin sulphonates, on air-jet looms. *Tekhnologiya Tekstil'noi Promyshlennost'*. 1987, 3(177), 49–51. In Russian.
- Ganzyuk, L.I.; Busova, N.A.; Konodyuk, A.S. Processing of flax yarns sized with paper-and-pulp concentrates. *Tekhnologiya Tekstil'noi Promyshlennost'*. 1987, 2(176), 54–57. In Russian.
- Ganzyuk, L.I.; Busova, N.A.; Samsonenko, N.A.; Nepomnyashchii, V.E.; Kapichnikova, T.N. Lignin-sulphonate based sizing agent for cotton yarns. *Tekstil'naya Promyshlennost'*. 1987, 47(3), 29–30. In Russian.
- Ganzyuk, L.I.; Busova, N.A.; Evlanova, E.M. Weaving of yarns from natural cellulose fibers sized with polyamidoimine/starch/lignin-sulphonate sizing agents. *Tekhnologiya Tekstil'noi Promyshlennost'*. 1988, 2(182), 51–53. In Russian.
- Ganzyuk, L.I.; Yarkova, O.F.; Evlanova, E.M.; Butyrin, V.P. Size containing lignin sulphonates in powder form. *Tekstil'naya Promyshlennost'*. 1991, 51(4), 56–57. In Russian.
- Gaponava, A.N.; Smirnov, V.M.; Vlasov, P.V.; Bezrukova, E.V. Developing a process for the foam sizing of cotton warps. *Tekhnologiya Tekstil'noi Promyshlennost'*. 1991, 2, 50–53. In Russian.
- Geary, M.A. Advantages of partially hydrolysed PVA (polyvinyl alcohol) for sizing and desizing. *American Dyestuff Reporter*. 1985, 74(9), 28–34. In English.
- Gebruder Sucker & Franz Muller GmbH & Co., Systems for sizing. *Textile Asia*. 1988, 19(6), 114–117. In English.
- Gebruder Sucker & Franz Muller GmbH & Co., Sizing system with the diagonal dryer, *Melliand Textilberichte*; 1991; Vol. 72, 8, 594 + E254. In German and English.
- Gebruder Sucker & Franz Muller GmbH & Co., Squeeze for size. *Textile Horizons*. 1986, 6(5), 13. In English.
- Gefter, P.L.; Pesnya, V.T.; Samok, A.V.; Pressman, T.M.; Sokolova, G.N. New devices for continuous measurement of stretch on a sizing machine. *Tekstil'naya Promyshlennost'*. 1975, 35(11), 39. In Russian.
- Genkina, M.L.; Bogorodskaya, A.V. Selection of the best brand of carboxymethylcellulose for finishing yarn. *Nauch.-Issled. Tr., Tsent. Nauch.-Issled., Inst. Khlopchalobum Prom.*. 1965, 212–222. In Russian.
- Gettys, R.A.; Johnson, W.G. Some practical suggestions for slashing low-twist nylon and polyester. *Textile Chemist and Colorist*. 1970, 2(17), 305–308. In English.
- Ghosh, S. On-line measurement of polyvinyl alcohol size on warp yarns using a near-IR diffuse reflectance spectroscopy method. *Journal of the Textile Institute*. 1993, 84(1), 85–98. In English.
- Gibbs, A. Slashing spun man-made fibers. *Paper of TQRA, Textile Bulletin*. 5/1967, 32. In English.
- Gierse, F.J. Achieving uniform yarn tensions in sizing machines, particularly in the zone in front of the nip, *Melliand Textilberichte International*; 1976; Vol. 57, 3, 194–200. In German.
- Gierse, F.J. Solvent sizing in relation to environment protection, *Melliand Textilberichte International*; 1976; Vol. 57, 7, 538–541. In German.

- Gierse, F.J. Solvent sizing problems in relation to pollution. *Lenzinger Berichte*. 1976(40), 164–168. In German.
- Gill, B.L. Instrumentation for slashers. *International Textile Bulletin, Weaving*. 1973(1), 71,72,75–78. In English.
- Gincherman, M.L.; Nasypanya, L.L.; Noskova, A.S.; Chernyak, L.A. Mechanized and automated size boiler. *Tekstil'naya Promyshlennost'*. 1987, 47(1), 54–56. In Russian.
- Giovanni Bozzetto SpA, Slashing, Tinctoria; 1996; Vol. 93, 2, 28–35. In Italian.
- Glawe, A.; Hellwich, B.; Reichardt, H.; Schlegel, W. Investigations of selected size products on their suitability for ultrafiltration and on improving their effectiveness in weaving, *Melliand Textilberichte*. 1995, 76(1/2), 33–37 + E8–E11. In German and English.
- Glubish, P.A. Properties of films formed on textile materials during their sizing and finishing. *Legka. Prom.*. 1969(4), 25–26. In Ukrainian.
- Gminder, L.E. Analyses for the calculation of sizing costs with special reference to materials, labour, and energy costs, *Melliand Textilberichte International*. 1976, 57(2), 119–122. In German.
- Goling, G.F.; MacGregor, J.H. Principles and practice of sizing warp yarns made from synthetic fibers, *Journal of the Textile Institute*. 1963, 54, 24–42. In English.
- Gorna, B. Use of chestnut starch in the textile industry. *Przegląd Włokienniczy*. 1985, 39(8/9), 331–332. In Polish.
- Gosset, S. Industry vs. laboratory correlations [in Sizing]. *Melliand Textilberichte* [with English translation]. 1986, 67(12), 855–858 + E348–350. In German and English.
- Gotz, K.; Trauter, J.; Haisch, D. Trials with sintered roller sizing. *Textil Praxis International*. 1991, 46(5), 418–433. In German.
- Gotz, K.; Trauter, J.; Haisch, D. Trials with sintered roller sizing. *Textil Praxis International*. 1991, 46(8), XX–XXIII. In English.
- Graglia, C. New sizing resin. *Rivista Delle Technologie Tessili*. 1995, 9(2), 126–128. In Italian.
- Graham, C.O.; Shepard, C.L. and Kullman R.M.H., Cotton-wrapped yarns—a process to eliminate sizing and desizing. *Textile Research Journal*. 1980, 50, 108–114. In English.
- Gregorian, R.S.; Bafford, R.A.; Namboodri, C.G.. American Chemical Society Symposium. 1979(107), 155–179. In English.
- Griffin, I.L.; Ira, L. Griffin Sons' MMG size applicator. *Textile World*. 1987, 137(4), 50–51. In English.
- Grosse, E.H. Warp sizing starches, *Textile Slashing Short Course Lecture Notes*; Auburn University: Auburn: AL, 1965. In English.
- Grosset, S. Sizing: from lab to plant. *Textile Asia*. 1986, 17(11), 91–94. In English.
- Guha Niyogi, P.; Mehta, N.J. Substitute for mutton tallow in sizing recipe. *Indian Textile Journal*. 1986, 97(7), 106–108. In English.
- Guo, J.; Stegmaier, T.; Trauter, J. New sizing principle for distinctive sheath sizing. *Melliand International*. June, 2001, 7(2), 116–118. In English.

- Guo, J.; Stegmaier, T.; Trauter, J. New sizing principle for distinctive sheath sizing, *Melliand Textilberichte/International Textile Reports (German Edition)*; May, 2001; Vol. 82, 362–364 + E91–E93. In German and English.
- Haas, A.M.; Reed, M.W.; Williams, D.C. Pilot slasher yarn drying model identification. *Textile Research Journal*. 1988, 58, 27–34. In English.
- Hacking, H. Modern developments in adhesives for sizing spun yarns, *Textile Weekly*; June 27, 1969; Vol. 69, 1, 771–774. In English.
- Hahn, G.; Schubert, K.M.; Sontag, E. Modernisation of a sizing plant. *Dent. Textiletech*. 1969, 19(4), 216–222. In German.
- Hall, A.J. Sizing of polyester low twist yarns, *Textile Weekly*. March 21, 1969, 69(1), 356. In English.
- Hall, D.M. Solvent and hot melt slashing, *Textile Industries*; 1973; Vol. 137, 1, 30–32. In English.
- Hall, D.M. Some factors affecting the application of size to textiles, *Textile Institute and Industry*; 1976; Vol. 14, 6, 197, 200–201. In English.
- Hall, D.M. General Overview of filament sizing in *Slashing Update 1999*; Clemson University: Clemson SC, November 30–December 1, 1999. In English.
- Hall, D.M.; Sayre, J.G. Internal architecture of potato and canna starch. Part I: Crushing studies Part II: Cereal starches. *Textile Research Journal*. 1970, 40, 147–157, 256–266. In English.
- Hall, D.M.; Mora, E.C.; Callaway, B.M. Possible causes for shedding of sized yarns on the loom—a communication to the editor. *Textile Research Journal*. 1987, 57, 614–615. In English.
- Hall, L.T. A Short Course: Part 3, Cotton properties and warp sizing. *Textile Bulletin*. February 1963, 48–49. In English.
- Hancock, R.W. For size preparation: minimal quality control programme, *America's Textiles: Reporter/Bulletin Edition*; December, 1974, 12, 45–46. In English.
- Handolescu, I.; Handolescu, C.; Crivin, I. Research concerning the optimization of the waxing process. *Industria Textilla*. 1994, 45(4), 199–203. In Romanian.
- Hanisch, M. Draw-warping and sizing of polyester. *Textile Month*. June, 1988, 22–24. In English.
- Hanish, M. Draw-warping and draw-sizing of polyester filament yarns for textile applications, *Melliand Textilberichte with English Translation*; 1988; Vol. 69, 6, 394–397 + E202–E203. In English.
- Hari, P.K.; Bhalla, S. Some studies on modified starch for low humidity application. *Starch/Stärke*. 1986, 38(9), 301–305. In English.
- Hari, P.K.; Tewary, A. Role of moisture in the performance of sized yarn. *Textile Research Journal*. 1985, 55, 567–571. In English.
- Hari, P.K.; Garg, S.; Behera, B.K. Some aspects of sizing cotton warp yarns with modified starch for weaving at low relative humidity. *Technik Wlokienniczy*. 1989, 38, 347–350. In Polish.
- Hari, P.K.; Subramanian, T.A.; Aggarwal, S.K. Contribution of yarn quality and sizing to weavability, *Melliand Textilberichte [with English translation]*; 1987; Vol. 68, 4, 246–250 + E109–E110. In German and English.

- Hari, P.K.; Subramanian, T.A.; Aggarwal, S.K. Weavability-dependence on yarn quality and sizing. *Textile Asia*. 1987, 18(2), 16–24. In English.
- Hari, P.K.; Behera, B.K.; Prakash, J.; Dhavan, K. Structure of high-pressure-sized yarn, Proceedings of the 29th Technological Conference held at Bombay Textile Research Association (Bombay, India, 1988), 63–66. In English.
- Hari, P.K.; Behera, B.K.; Prakash, J.; Dhawan, K. High pressure squeezing in sizing: performance of cotton yarn. *Textile Research Journal*. 1989, 59, 597–600. In English.
- Hari, P.K.; Garg, S.; Behera, B.K. Sizing with modified starch for low-humidity weaving of cotton yarn, *Melliand Textilberichte*. 1990, 71(11), 836–838 + E383–E384. In German and English.
- Harold, H. Experience in sizing and preparing of open-end rotor yarns for weaving, *Melliand Textilberichte International*. 1975, 56(12), 953–959. In German.
- Hartman, E. Laboratory tests on sizes for filament yarns, *Melliand Textilberichte International*. 1976, 57(5), 371–375. In German.
- Hashimoto, H. Synthetic sizing materials for water jet loom. *Japan Textile News*. 1975, March, 82–84. In English.
- Hayes, W.C. Overwaxing, in *Textile Slashing Short Course Proceedings*; Auburn University: Auburn: AL, 1983, 29. In English.
- Haynes, C.M. An Investigation into the effects of pre-wetting 100 percent cotton ring spun warp yarns on slashed yarn: physical properties and air jet weaving performance, M.S. Thesis; Institute of Textile Technology: Charlottesville: VA, 1997, In English.
- Heap, V. Sizing materials for continuous-filament yarns, *Textile Institute and Industry*; 1973; Vol. 11, 7, 172–175. In English.
- Heap, V. Development of new synthetic sizes for polyester/cotton blends, *Third International Sizing Symposium*; Shirley Institute: Manchester, England, 1977, 117–144. In English.
- Heap, V. New developments in sizing polyester filament yarn, *Melliand Textilberichte*. 8/1980, 61, 691–692. In German.
- Heinen, P.; Wolz, J.; Kose, K. Optical/electronic yarn cleanliness monitoring device on running warp sheet, *Chemiefasern/Textilindustrie*. 1986, 36/88(11), 91–92. In German.
- Hendrick, B. Laboratory services for spun yarn problem solving, in *Troubleshooting and Innovations in Slashing, AATCC Warp Sizing Symposium*; March 3–4, 1999, 91–97. In English.
- Hibbert, P. Warp size take-up and distribution, *Textile Industries Digest Southern Africa*; 1994; Vol. 13, 1, 20. In English.
- Hinkle, G. Controlling the quality of sized warp, *International Textile Bulletin: Yarn and Fabric Forming*; 1996; Vol. 42, 2, 31–32. In English.
- Hinkle, G. Latest developments in sizing equipment. *Canadian Textile Journal*. 1986, 103(12), 14–20. In English.
- Holme, I. Sizing, Chemical pretreatment and chemical cross-linking—a report. *Textile Horizons*. April, 1989, 9, 42. In English.



- Hyrenbach, H.J.; Mayer, H. System for calender bowl monitoring on warp beam sizing ranges; *Melliand Textilberichte*, 1993; Vol. 74, 8, 735–736. In German.
- Ibrahim, N.A.; Abo-Shosha, M.H.; El-Saway, N.A. Synthesis of poly(DMAEMA)/PVA and Poly(NVP)/PVA composites and their applications in sizing and resin finishing of cotton fabric, *American Dyestuff Reporter*; 1993; Vol. 82, 4, 39–43. In English.
- Institut für Textil- und Verfahrenstechnik Denkendorf, Sizing agent recycling—sizing technology—new test methods—New Sizing Agents, *Chemiefasern/Textilindustrie*. 1993, 43/95(1/2), 55–58. In German.
- Isono, T.; Sugimoto, F.; Komurasaki, K.; Yamamoto, T. Rheological characteristics of sizing agent for spun yarn, *Sen-i Gakkaishi*; October, 2000; Vol. 56, 10, 493–496. In Japanese.
- ITB, Liquid sizes for weaving preparation #247. *International Textile Bulletin*, World Edition, Weaving, 3/1967, p. 20, Waxing of warps, #285, p. 25. In English.
- ITB, Twelve modern sizing machines, *International Textile Bulletin*, World Edition, Weaving, 1/1965, 23–28. In English.
- Jackle, R.W.; Burnett, R. TRS Technique for size evaluation, *American Dyestuff Reporter*; July 1967; Vol. 56, 11–13. In English.
- Jackson, N.; MacGregor, J.H. Control in the production of sized warps of continuous-filament yarns and its influence on cloth quality, *Journal of the Textile Institute*; 1957; Vol. 48, 591–614. In English.
- Jadeja, V. Auditing of sizing machines—some critical observations, *ATIRA Communications on Textiles*; June, 1992; Vol. 26, 2, 39–49. In English.
- Jadeja, V.S. Harmful effects of machine deficiency on the sizing process, *ATIRA Communications on Textiles*. March, 1997, 31, 1–11. In English.
- Jadeja, V.S.; Kimothi, P.D. Auditing of a sizing machine for mechanical condition and settings, *ATIRA Communications on Textiles*; 1990; Vol. 24, 4, 126–136. In English.
- Jones, E.H. The control of size take-up in slashing—the Shirley automatic size box. *Textile Research Journal*. 1954, 24, 562–571. In English.
- Kaddar, T.; Marchis, A. Optimizing the formulations for sizing agent from a mixture of starch and polyvinyl alcohol, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1987; Vol. 38, 5, 205–207. In Romanian.
- Kaddar, T.; Ciocoiu, M. Rational development of sizing formulations for reducing the consumption of sizing agents, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1986; Vol. 37, 1, 19–20. In Romanian.
- Kapichnikova, T.N.; Mikhailova, M.P.; Khlomenok, V.N. Use of lignin sulphonates for sizing cotton warp yarns, *Tekstil'naya Promyshlennost'*; 1988; Vol. 48, 4, 39–41. In Russian.
- Kelly, S. New developments in size preparation and reclamation; *Clemson University, Slashing Technology*; Clemson SC, March 28–29, 2000. In English.
- Khorovodnov, G.S.; Androsova, T.B.; Lapshina, R.I. Effect of the concentration of a solution of textile auxiliaries on the drying time of viscose rayon yarns, *Khimicheskie Volokna*; 1985; Vol. 27, 6, 27–28. In Russian.

- Kim, W.Y.; Lee, J.K.; Kang, T.J. Effect of sizing conditions on the weavability of spun yarn, *Han'guk Somyu Konghakhoechi*; 1989; Vol. 26, 5, 406–419. In Korean.
- Kimothi, P.D.; Patel, M.D. Improve operative practices at sizing, *ATIRA Communications on Textiles*; 1990; Vol. 24, 4, 126–136. In English.
- King, D.E.; Weil, H.A.; Condo, F.E.; Rutherford, H.A. The evaluation of textile sizes. *Textile Research Journal*. 1952, 22, 567–573. In English.
- Kirby, K.W. Textile industry (starches), in *Modified Starches: Properties and Uses*. Wurzburg O.B., Ed.; CRC Press: Boca Raton: FL., 1987, 229–252. In English.
- Klyszejko, C. The influence of sizing materials and techniques on dust generation of sized yarn, *Third International Sizing Seminar*, Shirley Institute: Manchester, England, 1977, 93. In English.
- Kopytin, V.V. Instrument for indicating the bottom level of the sizing agent in a size feed tank, *Tekstil'naya Promyshlennost'*; 1976; Vol. 36, 1, 43–44. In Russian.
- Korolev, V.M.; Khranilov, P.I.; Shinagarev, R.V.; Kolotilov, V.G. Some methods of increasing productivity and eliminating uneven widthway drying on Shk-183-type warp-sizing machine, *Technology of the Textile Industry USSR*; 1968, 4, 136–139. In English.
- Kovacevic, S.; Hajdarovic, K. Factors influencing yarn deformation in warp yarn sizing and dyeing. *Tekstil*. 1996, 45(3), 142–146. In Serbo-Croatian.
- Kovacevic, S.; Oreskovic, V.; Vargek, I. Sizing layer monitoring during the process of sizing. *Tekstil*. 1995, 44(3), 117–122. In Serbo-Croatian.
- Kurilova, V.A.; Bykova, I.V. Checking the feasibility of using wetting agents in the sizing of cotton warps, *Technologiya Tekstil'noi Promyshlennosti*; 1976; Vol. 2, 110, 66–69. In Russian.
- Kurilova, V.A.; Bykova, I.V. Use of wetting agents for the sizing of cotton warp yarns, *Technologiya Tekstil'noi Promyshlennosti*; 1976; Vol. 1, 109, 81–83. In Russian.
- La Piana, F.G. Sizing, in *Chemistry and Chemical Technology of Cotton*. Ward K., Ed.; Interscience Publishers: New York, 1955, pp 77–117. In English.
- Lamprecht, P. Degradation, removability and detection of sizes. *Textilveredlung*. 1990, 25(10), 327–334. In German and English.
- Langer, J. Sizing agents for new weaving techniques, *Melliand Textilberichte English Edition*; 1985; Vol. 14, 12, 954–957. In English.
- Langer, J. Sizing agents for new weaving techniques, *Melliand Textilberichte*; 1985; Vol. 66, 12, 855–857. In German.
- Langer, J. Cycles—new sizing considerations for the market, *Melliand Textilberichte*; 1996; Vol. 77, 10, 665–667 + E143–E145. In German and English.
- Latham, F.R. Developments in sizing and cloth preparation. *Textile Month*. May, 1969, 69–70. In English.
- Lazarek, J.; Klopotoski, W. Technical and economic problems of new methods of weaving. *Tech. Wlok*. 1968, 17(12), 357–362. In Polish.
- Leitner, H. Fabric Finishing begins with sizing—experience with acrylate sizes, *Melliand Textilberichte*. 7/1980, 61, 579–583. In English.

- Leitner, H.; Schenk, W. The position of polyacrylate sizes in relation to the effluent from a textile mill, *Textil Praxis International*; 1976; Vol. 31, 2, 144–148. In German.
- Leitner, H.; Stohr, K. Practical experience in the sizing of spun viscose rayon, *Melliand Textilberichte* [with English translation]; 1986; Vol. 67, 11, 783–785 + E318–E320. In German and English.
- Lennox-Kerr, P. Combining conditioning and waxing. *Textile Horizons*. 1990, 10(12), 29. In English.
- Lesley, D.J. A case for additives, in *Textile Slashing Short Course Lecture Notes*; Auburn University: Auburn: AL, 1979, 20. In English.
- Lien, R.J. The effect of size adhesion on the physical properties of sized yarn and its weavability. *Journal of the China Textile Institute*. 1993, 3(1), 31–37. In Chinese.
- Lin, C.A.; Lin, C.H. Effect of sizing water on the sizing process by water-jet loom sizes. *Chieh Mien K'o Hsueh Hui Chih*; 1987; Vol. 10, 2, 24–34. In Chinese.
- Lipatova, I.M.; Sedova, I.L.; Yermolayeva, N.A.; Padokhin, V.A.; Moryganov, A.P. Influence of mechanical treatment on the technological properties of starch size, *Textile Chemistry: Theory, Technology, and Equipment*; Russian Academy of Sciences, Ivanovo. 1997, 265–271. In English.
- Lis, A.; Kulig, L. Improvements to cotton warp sizing and weaving technology with regard to the humidity and air conditioning in a weaving shed, *Technik Wlokienniczey*; 1987; Vol. 36, 12, 349–350. In Polish.
- Little, A.H. Treatment of textile waste liquors. *Journal of the Society of Dyers and Colorists*. 7/1967, 83, 268–273. In English.
- Little, J.; Upchurch, A. New technology for high quality warp preparation—solution maintenance. *Textiles Panamericanos*. November–December, 1999, 59(6), 78–80. In Spanish.
- Liu, J. Computer monitoring of the GA-301 sizing machine. *Journal of Textile Research, China Textile Engineering Society*. 1991, 12(5), 237–239. In Chinese.
- Liute, D.; Iacob, I.; Tudor, M. Effect of the size add-on and the nip pressure on the properties of sized yarns, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1993; Vol. 44, 1, 19–22. In Romanian.
- Liute, D.; Iacob, I.; Liute, D. Laboratory improvement of size quality on warp yarns, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1993; Vol. 44, 2, 67–69. In Russian.
- Livengood, C.D. Laboratory method for the evaluation of materials as textile warp sizes. *Textile Forum*. 1971, Winter, 33–36. In English.
- Lobl, V. Modern slasher creels, Parts I–III. *Textile Industries*. 1969, 133(11), 174–177, 179, 181; (12), 117–118, 120, 122; 1970, 134(2), 79, 81, 83–87, 94B. In English.
- Lofton, J.T.; Harper, R.J.; Little, H.W.; Blanchard, E.J. Polymer sizing and cotton DP (durable press). *Textile Industries*. 1970, 134(1), 56–64. In English.
- Lunenschloss, J.; Schuler, B.G.; Vogg, H. Study of the relationship between waxing, wax content, and frictional co-efficient by means of a tracer technique. *Textile Praxis International*. 1973, 28(2), 76–79. In German.

- Lyons, D.W. and Olson E.S. Effect of drying and heat-setting temperatures on the removal characteristics of polyvinyl alcohol size. *Textile Research Journal*. 1972, Vol. 42, No. 4, 199–202. In English.
- Mabry, B. Slasher operator training, in *Troubleshooting and Innovations in Slashing, AATCC Warp Sizing Symposium*; March 3–4, 1999, 81–90 In English.
- Mac Gregor, J.H. The sizing of continuous filament yarns, in *Technology of Warp Sizing*; Long and Clapton: Atlanta, GA, 1972, 93. In English.
- Magg, C. High-speed draw-sizing, *Chemiefasern/Textilindustrie*; 1987; Vol. 37/89, 10, 1010–1012. In German.
- Makhover, V.L. Calculating the drying parameters on multi-cylinder sizing machines, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1987; Vol. 3, 177, 52–55. In Russian.
- Makhover, V.L.; Bulygin, A.V. New mechanism for compacting the yarn layers on the weaver's beam of a sizing machine and its experimental study, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1985; Vol. 2, 164, 109–113. In Russian.
- Makhover, V.L.; Fomicheva, T.N. Separation of sized yarns during sizing by using a fixed lease rod of circular cross-section, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1986; Vol. 4, 172, 42–46. In Russian.
- Makhover, V.L.; Fomicheva, T.N. Study on the yarn squeezing parameters in the size box of a sizing machine, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1987; Vol. 1, 175, 54–58. In Russian.
- Makhover, V. L.; Tikhanovskaya, L. B. Determining the true add-on on the yarn when changing the sizing agent, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1995; Vol. 5, 39–43. In Russian.
- Makhover, V. L.; Tikhanovskaya, L.B. Experimental determination of the optimum true size add-on, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1996; Vol. 4, 37–42. In Russian.
- Maksymiec, D. Hydrofil-LA new indigenous sizing agent for warps, *Przegląd Włokieniczny*; 1994; Vol. 48, 2, 26, 29. In Polish.
- Maksymiec, D.; Sadłowska, M.; Hydrofil, BW- new synthetic sizing agent for cotton warps, *Przegląd Włokieniczny*; 1994; Vol. 48, 9, 10–12. In Polish.
- Maletschek, F. Sizing process with consideration to yarn sheet elongation, *Melliand Textilberichte International Textile Reports (German Edition)*; September, 1998; Vol. 79, 615–616 + E163. In German and English.
- Maletschek, F. Sizing process with consideration to yarn sheet elongation, *Melliand International*; December, 1998; Vol. 4, 245–246. In English.
- Malhotra, V.P.; Rangnathan, S.R. A usefull basis for screening the performance of textile size materials through studies on film strength–elongation properties. *Textile Research Journal*; 1965; Vol. 35, 290–291. In English.
- Malinowska, K. Microscopical method for measuring distribution of size along a viscose rayon warp yarn, *Prace Instytutu Włokienictwa*; 1969; Vol. 19, 21–42. In Polish.
- Manaszeder, K. Sizing or yarn lubrication? *Textilbetrieb*. 1986, 104(2), 26–29, 33. In German.

- Mangum, G.D. A review of slashing methods for spuns and filaments, *Modern Textiles*; Dec. 1963; Vol. 44, 52–53. In English.
- Marasulov, M.Sh.; Aslanov, Kh.A.; Rakhmanberdyev, G.; Tashpulatov, Y.T.; Mavlyanov, A.M. Wettability and impregnation of cellulose acetate yarns with a size based on a polycondensation product of carbamide with formaldehyde, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1987; Vol. 4, 178, 55–58. In Russian.
- Mavlayanov, A.M.; Usmanov, K. U; Kungurtseva, F.S. Use of carboxymethylcellulose preparation obtained from cotton linters for sizing a cotton warp, *Technology of the Textile Industry USSR*; 1969, 1, 82–86. In English.
- McDaniel, J. S. An evaluation of the effects of percent size add-on, slasher stretch, and pre-wet slashing on the characteristics and predicted weaving performance of Murata vortex spun yarns, M.S. Thesis.; Institute of Textile Technol.: Charlottesville, VA, 2001, In English.
- McMahon, J.F. Introductory study on the effect of warp waxing on the weavability of wool worsted yarns, *SAWTRI Bulletin*; 1985; Vol. 19, 4, 13–19. In English.
- Mears, R.C. Warp-drawing sizing-progress to date, *Melliand Textilberichte* [with English translation]; 1987; Vol. 68, 10, 714–716 + E311–E313. In German and English.
- Mears, R.C. Warp-drawing/sizing, *Textile Asia*; November, 1987; Vol. 18, 11, 38–41. In English.
- Mehta, P.C.; Shah, C.C. Loom-action-type abrader—a letter to the editor, *Textile Research Journal*; 1957; Vol. 27, 169–170. In English.
- Mejia, R.L. Seycofilm PE-230, *Textile Dyer & Printer*; 1986; Vol. 19, 11, 13–17. In English.
- Michajlowa, M. P.; Langer, J. Is it possible to calculate size recipes? *Melliand Textilberichte*; 1991; Vol. 72, 11, 910–911 + E364. In German and English.
- Mikhailova, M.P.; Rosanov, F.M.; Mikhilov, P.V.; Traber, I.G. Preparation and application of size based on acrylonitrile derivatives, *Technology of the Textile Industry USSR*; 1972, 1, 70–74. In English.
- Mikhailova, M.P.; Shurupov, V.I.; Shirokov, V.M.; Kopoleva, L.F.; Dodonova, V.A. Use of polyacrylamide in the sizing of cotton yarn, *Textil'naya Promyshlennost'*; 1976; Vol. 36, 10, 49–51. In Russian.
- Miller, B.; Friedman, H.L.; Turner, R. Design and use of a cyclic tensile abrader for filaments and yarns—a study of polyester monofilament wear, *Textile Research Journal*; 1983; Vol. 53, 733–740. In English.
- Milner, A. J. The Importance of size selection, *Australasian Textiles*; March/April, 1992; Vol. 12, 2, 33–36. In English.
- Modi, J.R.; Shah, N.E. Afterwaxing of sized cotton and polyester/cotton blend yarns to improve weavability, *Proceedings of Sizing Seminar, Textile Assoc. of India: New Delhi, India*; 1981, 124. In English.
- Modi, J.R. Recent observations in the sizing of cotton yarns, *ATIRA Technical Digest*; June, 1976; Vol. 10, 11–19. In English.
- Modi, J.R. Sizing of polyester blend yarn, *Journal of the Textile Association (India)*; 1972; Vol. 33, 2, 89–97. In English.

- Modi, J.R.; Vijaykumar, V.; Bhatt, V.R. Weaving at low relative humidity, *ATIRA Technical Digest*; 1986; Vol. 20, 1, 7–13. In English.
- Mohamed, M. H.; Seyam, A. M.; Ozkut, O.; Logan, W.; Hebeish, A.; Abou-Zeid, N.Y. Environmentally friendly sizing agents for cotton warps, cotton incorporated Twelfth annual engineered fiber selection system research forum: Proceedings: Raleigh, NC; November 4–5, 1999, 181–201. In English.
- Moncrief, R. Starch substitute for sizing cotton yarns, *Textile Weekly*; 1967, June, 836. In English.
- Moncrief, R.W. Sizing of hydrophobic fibers, *Textile Recorder*; 1964, 58–60. In English.
- Moore, K.W. Sizing textured yarns, *American Dyestuff Reporter*; 1972; Vol. 61, 9, 82–85. In English.
- Moreau, J.P. Polymeric sizing agents for cotton yarn, *Textile Chemist and Colorist*; 1981; Vol. 13, 273–278. In English.
- Moreau, J.P. Room temperature application of polymers for sizing cotton yarns, Presented at Clemson Slashing Conference, Clemson University: Clemson, SC; November 10–11, 1981. In English.
- Moreau, J.P. Strengthening of OE yarns with size, *America's Textiles*; May, 1983; Vol. 5, 22–48. In English.
- Moreau, J.P. Comparison of sized open-end and ring spun yarns, *Journal of Coated Fabrics*; 1983; Vol. 13, 12–23. In English.
- Moreau, J.P. Chemically coated open end cotton yarns for denim, *Textile Chemist and Colorist*; 1984; Vol. 16, 205–209. In English.
- Moreau, J.P. Research on polymers as sizing agents—laboratory to loom, *Journal of Coated Fabrics*; 1984; Vol. 13, 258–269. In English.
- Moreau, J.P. Apparatus, Instrumentation and techniques in the evaluation of sizing agents, *Melliand Textilberichte* [with English translation]; 1986; Vol. 67, 5, 307–312 + E135–E138. In German and English.
- Moreau, J.P. Evaluation of fabrics woven with durable polymeric sizing agents, *Textile Research Journal*; 1986; Vol. 56, 627–634. In English.
- Morel, Freres Combining conditioning and waxing, *African Textiles*; October/November, 1990, 26. In English.
- Moreland, J. Slasher training, in *Slashing Update 1999*, Clemson University: Clemson, SC; November 30–December 1, 1999. In English.
- Morsy, A.E.; Saad, M.A.; Elhamady, A.M. Economy of sizing, *Indian Textile Journal*; January, 1999; Vol. 109, 4, 10–15. In English.
- Mousa, A.H.N. Analysis of the effect of size formulation variations on yarn tenacity and elongation, *Textile Research Journal*; 1978; Vol. 48, 713–716. In English.
- Muff, J.R. High-pressure squeeze sizing, *Proceedings of the Symposium on New Technologies for Textiles*, July 1986, (SAWTRI/Textile Institute), South African Wool and Textile Research Institute, Port Elizabeth, 1986; July, 1986, (ISBN 0 7988 3235 5), 793–807. In English.
- Muff, J.R. Sizing for water-jet weaving, *Industrie Textile*, 1237; November, 1992, 45–47. In French.

- Murayama, T. A new method for the measurement of dynamic shear mechanical properties of materials with a Rheovibron viscoelastometer, *Journal of Applied Polymer Science*; 1975; Vol. 19, 3221. In English.
- Mustafaev, R.I.; Parfenov, D.L. Requirements of the coverings of the quetch rollers on sizing machines, *Technology of the Textile Industry USSR*; 1969, 6, 135–136. In English.
- Namboodri, C.G. Foam sizing of cotton and blend yarns: slashing trials, *Textile Research Journal*; 1986; Vol. 56, 87–92. In English.
- Namboodri, C.G.; Duke, M.W. Foam finishing of cotton containing textiles, *Textile Research Journal*; 1979; Vol. 49, 156–162. In English.
- Nason, D. A Nonaqueous method for sizing wool yarns: preliminary work, *Textile Research Journal*; 1988; Vol. 58, 116–122. In English.
- Nehrenberg, D.L. Cut slasher energy costs, *Textile Industries*; January, 1977; Vol. 141, 106, 108, 110, 112. In English.
- Nehrenberg, D.L. Simplified warp sizing can benefit finishing, in *Sizing: Keystone to Quality Fabrics, Warp Sizing Symposium, AATCC: Greenville, South Carolina, USA*; 1985, 36, 21–25. In English.
- Nehrenberg, D.L. PVA [Polyvinyl Alcohol] in sizing and recovery, *Textile Asia*; 1987; Vol. 18, 2, 37–41. In English.
- Nehrenberg, D.L. Polyvinyl Alcohol-advancements in sizing, desizing and recovery, *Melliand Textilberichte with English Translation*; 1988; Vol. 69, 3, 171–174 + E87–E89. In German and English.
- Nehrenberg, D. L. Sizing of spun yarns for air-jet looms, *Melliand Textilberichte*; 1990; Vol. 71, 11, 839–842 + E384–E386. In German and English.
- Nehrenberg, D. L. Sizing of cotton yarns for air-jet weaving, *Industria Cottoniera*; January/February, 1991; Vol. 1/2, 44–49. In Italian.
- Nehrenberg, D.L.; Hinkle, G. Shuttleless weaving: new demands on slashing goals, *Textile World*; 1986; Vol. 136, 11, 59–65. In English.
- Neubauerova, A.; Ulmer, K. Sizing of acrylic yarns, *Tekstil*; 1985; Vol. 40, 7, 231–233. In Czechoslovakian.
- Neufeldt, S. The waxing of warps in preparation for weaving, *Spinner Weber Textilverdlung*; 1969; Vol. 87, 1, 29–31, In German.
- Nijland, B. Sizing with potato starch derivatives, *Tex*; 1972; Vol. 31, 12, 13–15. In Dutch.
- Guha Niyogi, P.G.; Mehta, N. J.; Dixit, S.A.; Shroff, J.J. Measurement of adhesive power of sizes meant for polyester filament yarn, *Colourage*; 1990; Vol. 37, 15, 17–18, 23–24. In English.
- Noser, W.; Steinlin, H. Galactomanan derivatives—easily biodegradable sizing agents, *Textilverdlung*; 1988; Vol. 23, 10, 350–351. In German.
- Novokov, V. P.; Smirnov, V.M.; Gaponova, A. N.; Vlasov, N. V.; Bezrukova, E.V. Foam sizing of cotton warp yarns, *Tekstil'naya Promyshlennost'*; 1991; Vol. 51, 2, 38–40. In Russian.
- Nowell, F. Sizing facts, *Textil Praxis*; 1969; Vol. 24, 2, 85–86. In German.

- Olsen, H.C. Partial replacement for PVA in warp sizing, *Textile Industries*; 1975; Vol. 139, 3, 79,81,83,85–87. In English.
- Orskovic, V. New Method of determining the size add-on of warp yarn on the basis of balance of matter and without the usual desizing, *Tekstil*; 1975; Vol. 24, 10, 753–758. In Serbo-Croatian.
- Osterreichisches Chemiefaser Institut, Draw-warping and draw-warping/sizing of polyester filament yarns: current situation and developments, *Chemiefasern/Textilindustrie*; 1991; Vol. 41/93, 2, 105–199. In German.
- Ostrovskaya, A.; Dronova, M. I.; Begunts, V. V. Optimizing the sizing process, *Tekstil'naya Promyshlennost'*; 1993; Vol. 53, 6, 36–37. In Russian.
- Owczar, R. Method for determining the composition of sizing agents on the basis of their adhesion, *Przeglad Wlokienniczy*; 1987; Vol. 41, 9, 357–360. In Polish.
- Owen, A.E.; Locke, J. The measurement of the resistance of yarns to abrasion, *Journal of the Textile Institute*; 1926; Vol. 17, T567–T582. In English.
- Owen, A.E.; Oxley, A.E. The physical properties of yarns under oscillating stresses, *Journal of the Textile Institute*; 1923; Vol. 14, T18. In English.
- Owen, A.E.; Oxley, A.E. The physical properties of yarns under oscillating stresses, some physical tests on sized yarns, *Journal of Textile Institute*; 1923; Vol. 14, T375. In English.
- Owen, P. Vital role of sizing chemicals, *Textile Month*; Vol. 6, July–August, 2001. In English.
- Ozaki, Y.; Sawatari, A. Determination of surface sizing and internal sizing agents on the paper surface by means of ESCA, Sen-i Gakkaishi; 1996; Vol. 52, 7, 335–361. In Japanese.
- Paliwal, M. C; Subramanian, T.A. Generation and propagation of stretch during sizing, *ATIRA Communications on Textiles*; 1990; Vol. 24, 4, 119–125. In English.
- Pan, W. Theory and practice of stepless speed regulator of slasher, *Journal of Textile Research. China Textile Eng. Soc.* 1987, 8(4), 234–237. In Chinese (English summary).
- Parekh, H. B. The process of warping and sizing of continuous viscose filament yarn. *Journal of the Textile Association (Bombay)*. March–April, 1998, 58(6), 219–221. In English.
- Patterson, E.E. Textile slashing: preparation of sizes, *Textile Bulletin*; April, 1963, 42–45. In English.
- Pavlova, I.N.; Yaroslavtseva, N.V.; Turovskaya, T.D.; Rassadin, V.L. Use of OLD-O1V agent for sizing flax/polyester warp yarns, *Tekstil'naya Promyshlennost'*; 1986; Vol. 46, 9, 44–46. In Russian.
- Peghini, A. Chimgel-sizing, the new cold sizing method, *Chemiefasern/Textilindustrie*; 1993; Vol. 43/95, 5, 405 + E61. In German and English.
- Peirce, F.T.; Stephenson, R.J. The effect of humidity on cotton yarn, strength and extensibility of sized and unsized warp yarns in equilibrium with steady atmospheric conditions, *Journal of the Textile Institute*; 1926; Vol. 17, T645–T660. In English.



- Perkins, W.S. Solvent slashing, *America's Textiles: Reporter/Bulletin Edition*; 1976, AT-5, May, 20–21. In English.
- Perkins, W.S. The two sides of warp sizing, *America's Textiles International*; 1996; Vol. 25, 2, 79–80. In English.
- Perkins, W.S. New slashing technology promises big benefits, *Textile Chemist and Colorist*; May, 1999; Vol. 31, 13–15 In English.
- Perkins, W.S.; Walker, R.P. Foam sizing, *Textile Research Journal*; 1982; Vol. 52, 547–554. In English.
- Perkins, W.S.; Walker, R.P. Some observations on foam sizing, *Textile Chemists and Colorists*; 1984; Vol. 16, 89–91. In English.
- Petoca, Ltd. and Takenaka Corp., Sizing for carbon fibre reinforced concrete, *High Performance Textiles*; January, 1995, 12–13. In English.
- Petrovic, V.M.; Stojiljkovic, D. T. Analysis of the effect of size add-on on the load/elongation value of cotton yarns, *Tekstilna Industrija*; 1991; Vol. 39, 11/12, 19–22. In Serbo-Croatian.
- Pilgrim, H. A. Warp-drawing-sizing on the Val Lesina WDS 550 plant, *Chemiefasern/ Textilindustrie*; 1991; Vol. 41/93, 2, 112–114. In German..
- Pleva, R. Practical use of AS 120 size application meter, *Melliand Textilberichte/ International Textile Reports (German Edition)*; October, 1998; Vol. 79, 702–705 + E186–E187. In German and English..
- Pleva, R.; Rieger, W. Measuring and optimizing the application of size, *Textil Praxis International*; 1992; Vol. 47, 3, 230–232 + V–VI. In German and English.
- Pleva, R.; Rieger, W. Improved sensors for the sizing process, *Textil Praxis International*; 1993; Vol. 48, 7/8, 587–590 + X–XII, In German and English.
- Pleva, R.; Trauter, J. Optimization of the moisture content of sized warp yarns, *Melliand Textilberichte [with English Translation]*; 1988; Vol. 69, 6, 406–411 + E209–E212. In German and English.
- Pohlmann, K. Textile fat and its importance: a contribution to a discussion on a size additive, *Textil-Praxis International*; 1973; Vol. 28, 1, 31–33. In German.
- Popa, C.; Minea, A.; Bulucu, D.; Toader, O. Physical/chemical studies of some sizing agents based on modified starch, *Industria Usoara-Textile, Tricotaje, Confectii Textile*; 1987; Vol. 38, 7, 295–300. In Romanian.
- Popa, C.; Zaus, D.; Bacurica, E.; Bulacu, D.; Toader, O.; Chiriasi, V.; Stoian, C. Semi-industrial trials on sizing of cotton-type fabrics with starch derivatives, *Industria Usoara-Textile, Tricotaje Confectii Textile*; 1988; Vol. 39, 5, 202–203. In Romanian.
- Porter, R. The chemistry of size removal, in *Troubleshooting and Innovations in Slashing*, AATCC Warp Sizing Symposium; March 3–4, 1999, 133–145. In English.
- Porter, R. The geometry of size placement, *Clemson University, Slashing Technology*; Clemson, SC; March 28–29, 2000, In English.
- Porter, R.A. Foam application of size, *Book of Papers, 1985 International Conference and Exhibition, (AATCC), Research Triangle Park: NC*; 1985, 134–137. In English.

- Radhakrishnan, T.; Mehta, P.C.; Shelat, B.R. The resistance of sized yarns to abrasion, *Textile Research Journal*; 1968; Vol. 27, 439–444. In English.
- Ramaszeder, K. The Physico-chemical basis for the selection of sizes for synthetic fibers, *Spinner Weber Textilveredlung*, 1968; Vol. 86, 10, 927–930. In German.
- Ramaszeder, K. The production of water-soluble starch for sizing purposes, *Spinner Weber Textilveredlung*; 1970; Vol. 88, 1, 22–29. In German.
- Ramaszeder, K. New aspects on the sizing of polyamide continuous filaments, *Spinner Weber Textilveredlung*; 1971; Vol. 89, 5, 384–393. In German.
- Ramaszeder, K. Rheological investigation of starch/alginate sizes and printing thickeners, *Melliand Textilberichte International*; 1973; Vol. 54, 3, 212–217. In German.
- Ramaszeder, K. Sizing or yarn lubrication? *Magyar Textiltechnicka*; 1986; Vol. 39, 1, 31–34. In Hungarian.
- Ramaszeder, K. Lubricants Reduce the frictional force at the yarn surface, *Kolorisztikai Ertesito*; 1987; Vol. 29, 2/3, 38–43. In English.
- Ramaszeder, K. Relationship between the quality of yarn surfaces and the weaving properties of the yarns, *Melliand Textilberichte* [with English translation]; 1987; Vol. 68, 3, 179–180 + E78–E79. In German and English.
- Ramaszeder, K. Experience with yarn surface preparation—instead of sizing, *Melliand Textilberichte* [with English Translation]; 1988; Vol. 69, 2, 95–98 + E44–E46. In German and English.
- Ramaszeder, K. Influence of the preparation of sizes comprising polyvinyl alcohol and starch derivatives in the sizing of polyester/cotton warp yarns, *Melliand Textilberichte*; 1991; Vol. 72, 8, 592–593 + E250. In German and English.
- Ramaszeder, K. Some observations on the strength of size films, *Melliand Textilberichte*; 1992; Vol. 73, 12, 944–945 + 437. In German and English.
- Ramaszeder, K. Some observations on the abrasion resistance of size films, *Melliand Textilberichte*; 1994; Vol. 75, 4, 254–256 + E64. In German and English.
- Ramirez, R.P.; Vidosic, J.P. The loom-action-type abrader—a letter to the editor, *Textile Research Journal*; 1956; Vol. 26, 531–533. In English.
- Ranganathan, S.R.; Verma, B.C. Laboratory evaluation of the performance of sized yarn, *Textile Recorder*; Dec. 1967; Vol. LXXXV, 1017, 34–35. In English.
- Raschl, W. Sizing of textured polyester filament yarns, *Melliand Textilberichte International*; 1976; Vol. 57, 2, 122–125. In German.
- Reed, M.W.; Perkins, W.S. Drying of sized yarn using radio frequency energy, *Textile Chemist and Colorist*; 1988; Vol. 20, 10, 13–17. In English.
- Reichardt, H. Reducing the consumption of size and sizing auxiliaries by pretreating the warp sheet with the steam, *Melliand Textilberichte*; 1996; Vol. 77, 10, 662–665. In German.
- Roberts, J.G. Desizing and shade variation, *Third International Sizing Symposium*; Shirley Institute: Manchester, England, 1977, 255–260. In English.
- Robinson, G.D. The sizing of spun yarns, *Clemson University, Slashing Technology*; Clemson, SC; March 28–29, 2000. In English.

- Robinson, G. Sizing of OE, MJS, and MVS yarns in Slashing Update 1999; Clemson University, Clemson, SC; November 30–December 1, 1999. In English.
- Rostoni, M.; Bullio, P. G. Direct sizing machine, Rostoni WS, Nuova Selezione Tessile; 7, July, 1991, 64–68. In Italian.
- Rozelle, W.N. Slashing declares war on warp yarn hairiness, *Textile World*; 1990; Vol. 140, 12, 71–76 In English.
- Rozelle, W.N. How to size microdenier yarns, *Textile World*; 1993; Vol. 143, 11, 51–55. In English.
- Rozelle, W.N. Environmental concerns of warp sizing, *Textile World*; 1994; Vol. 144, 11, 50–57. In English.
- Rozelle, W.N. Weaving prep: what's on the shelf, *Textile World*; 1994; Vol. 144, 2, 47–54. In English.
- Rozelle, W.N. New yarns spur refinements in warping, slashing, *Textile World*; March, 1998; Vol. 148, 3, 55–58 In English.
- Rozelle, W. N. Slashing receives new demands in yarns, processes, *Textile World*; December, 1998; Vol. 148, 96–99 In English.
- Rozelle, W. N. Pre-wet: new money maker in warp sizing operations, *Textile World*; May, 1999; Vol. 149, 73–76. In English.
- Ruch, P. Developments in sizing technology taking into account current demands, *Textil Praxis International*; 1991; Vol. 46, 10, 1088–1093. In German.
- Ruch, P. Sizing—keeping pace with modern requirements, *Textil Praxis International*; 1991; Vol. 46, 11, XV–XVIII. In German.
- Ruess, B. High-pressure squeezing for sizing filament yarns, *Textil Praxis International, Foreign Edition with English Supplement*; 1986; Vol. 41, 10, 1068–1069 + VII–VIII. In German and English.
- Ruess, B. Sizing the total number of ends of filament yarns. Filament yarn sizing—considerations of process technology and the relationship between warp tension, stretch and yarn speed, *Textil Praxis International*; 1994; Vol. 49, 9, 561–566 + VIII–X. In German and English.
- Rupp, J. The warp sizing machine—crucial to higher profits in weaving, *International Textile Bulletin: Yarn & Fabric Forming*; 1994; Vol. 40, 4, 53–56. In English.
- Rusca, R.A.; Kyame, G.J. An experimental, gas-fired, infrared textile slasher, *Textile Research Journal*; 1951; Vol. 21, 445–450. In English.
- Rutti, R. New ecological starch derivative combinations, *Textilverdung*; 1988; Vol. 23, 10, 352–354. In German.
- Saeki, M.; Ohta, K.; Nakano, S.; Komurasaki, K. Effect of size penetration on the mechanical properties of sized yarn, *Journal of the Textile Machinery Society of Japan*; 1991; Vol. 44, 8, T165–T171. In Japanese.
- Saffer, H.W.; Rutherford, H.A.; Cates, D.M. The effect of certain variables in warp sizing on weavability, *Textile Research Journal*; 1959; Vol. 29, 849–857. In English.
- Saleta, I Prat. The difficult art of sizing, *Revista de la Industria Textil*; December, 1999, 373, 74–89. In Spanish.

- Salsman, K. Phase III polyester binders, *Textile Asia*; 1993; Vol. 24, 2, 70–72. In English.
- Saxena, Y.S. Sizing of blends, *Silk and Rayon Industries of India*; 1969; Vol. 12, 9, 461–471. In English.
- Saxl, I. J. The quantitative determination of stiffness in individual yarns, *Textile Research Journal*; 1936; Vol. 6, 152–156. In English.
- Scherrer, A. Cost-optimized powered beam creels for assembling and sizing machines, *Melliand International*; December, 1998; Vol. 4, 247–248. In English.
- Scherrer, A. Optimum warp quality for modern, high capacity weaving mills, *Textile Trends India*; June, 1999; Vol. 42, 3, 35–37. In English.
- Schluter, K. Galactomannans—a class of sizes for the future, *Textil Praxis International*; 1993; Vol. 48, 5, 408–411. In German.
- Schneider, H.J. Practical experience with a system of process automation for sizing and assembling [beaming] machines and size preparation installations, *Melliand Textilberichte [with English translation]*; 1987; Vol. 68, 7, 460–462 + E208–E209. In German and English.
- Schonberger, H.; Baumann, A.; Keller, W. PVA treatment in wastewater, *Textile Asia*; 1997; Vol. 28, 6, 61–69. In English.
- Schutz, R.A. Theoretical and practical aspects of sizing, in *Technology of Warp Sizing*. Smith J.B., Ed.; Columbine Press: London, 1964, 65–92. In English.
- Schutz, R.A. Rheological characterization of sizes—why and how?, *Melliand Textilberichte International*; 1973; Vol. 54, 10, 1025–1029. In German.
- Schutz, R.A. Sizing and desizing in solvents, *Melliand Textilberichte International*; 1976; Vol. 57, 2, 116–119. In German.
- Schutz, R.A. Theoretical and practical aspects of sizing today and tomorrow, *Third International Sizing Symposium*; Shirley Institute: Manchester, England, 1977, 1–11. In English.
- Sekar, N. Carbon dioxide assisted textile processing: an update, *Colourage*; February, 1999; Vol. 46, 31–33. In English.
- Sengupta, P.; Chaudhari, C.K. Modern aspects of sizing blended yarns for shuttleless weaving, *Synthetic Fibres*; April/June, 1986; Vol. 15, 2, 11–18. In English.
- Serdyuk, V.P.; Voloschenko, V.P. Analysis of the warp tension fluctuation in the winding-on zone of the rayon slasher, *Technology of Textile Industries USSR*; 1969, 1:68–72. In English.
- Seydel, P.V. Slashing and warp sizing, in *American Cotton Handbook*. 3rd. Edition. Hamby D., Ed.; Interscience Publishers: New York, 1966; Vol. ii, 530–550. In English.
- Seydel, P.V.; Hunt, J.R. *Textile warp sizing*; Seydel-Woolley & Company: Atlanta, GA, 1981.
- Seydel, S. International perspectives on sizing, in *Slashing Update 1999*; Clemson University, Clemson, SC; November 30–December 1, 1999. In English.
- Seydel, S.O. New concepts in application and chemistry of warp sizing, *America's Textiles: Reporter/Bulletin Edition*; 1975; Vol. 4, 3, 46–47. In English.

- Seydel, S.O. World perspective on warp sizing, in *Troubleshooting and Innovations in Slashing*, AATCC Warp Sizing Symposium; March 3–4 1999, 107–112. In English.
- Seydel, S.O.; Letbetter, W.D. New concepts in surface lubrication treatment of warp yarns, *Melliand Textilberichte* [with English Translation]; 1988; Vol. 69, 1, 27–29 + E15–E16. In German and English.
- Shah, D.J.; Talele, A.B.; Gandhi, R.S. Filament sizing in India, *Textile Asia*; 1991; Vol. 22, 4, 28–33. In English.
- Schwartz, G. Drawing-warping-sizing: experience, knowledge, basic prerequisites, *Chemiefasern/Textilindustrie*; 1991; Vol. 41/93, 2, 116–118. In German.
- Shell, B.D. Sizer-beamer makes producer twist yarns, *Daily News Record* No. 230: 34; 1968, November, 25. In English.
- Shelton, N.W. Standberg: Datatex Series 1000 slashing process control, *Textile World*; 1987; Vol. 137, 4, 56–58. In English.
- Shelton, N. W. Process controls for sizing, *Melliand Textilberichte*; 1990; Vol. 71, 12, 959–961 + E428–E429. In German and English.
- Shelton, N.W. Latest Innovations in slasher controls, *Clemson University, Slashing Technology*: Clemson, SC; March 28–29, 2000. In English.
- Shenai, V.A.; Malvankar, R.G. Role of polyvinyl alcohol in sizing and desizing, *Colourage*; 24 June, 1976; Vol. 23, 13, 21–25. In English.
- Sherrer, A. Benninger: SaveSize pre-wet warp sizing, *Textile World*; April, 2000; Vol. 150, 42–43. In English.
- Shinn, W.E.; Biggers, P.T. Sizing of spun viscose warp yarns. Part I: Effect of stretch in slashing. Part II: Abrasion testing of sized warp yarns, *Textile Research Journal*; 1945; Vol. 15, 15–21. In English.
- Singh, S.A.P. The hairiness of sized yarns, before and after limited attrition—an extract. *Annals. Scient. Textiles Belges*. 1969, June, 60–87. In Dutch.
- Singhal, A. Modern developments in sizing, *Textile Magazine (Madras)*; October, 2000; Vol. 41, 12, 89–93 In English.
- Slausen, S.D.; Miller, B.; Rebenfeld, L. Physicochemical properties of sized yarns. Part I: Initial studies, *Textile Research Journal*; 1984; Vol. 54, 655–664. Part II: Two-component sizing systems. *Textile Research Journal*; 1985; Vol. 55, 181–186. In English.
- Smirnov, A.V.; Parfenov, D.L. Moisture and tension as factors in the stretch of yarn on a sizing machine drier, *Technology of the Textile Industry USSR*; 1971, 4, 69–71. In English.
- Smirnov, A.V.; Parfenov, D.L. Drying temperature, initial tension, and method of producing the required moisture content as factors in the stretch of the yarn (in sizing). *Technology of the Textile Industry USSR*; 1972, 2, 59–60. In English.
- Smirnov, G.A.; Kurilova, E.A.; Indeikin, E.A.; Rybin, N. V.; Mogilevich, M.M.; Molchanova, E.V. Vinyl alcohol and vinyl acetate copolymers for cotton yarn sizing, *Textile Chemistry: Theory, Technology, and Equipment*; 1997, 79–84. In English.

- Smisek, M. Sizing of break-spun yarns, *Textil*; 1969; Vol. 24, 3, 93–97. In Czech.
- Smisek, M. Sizing of OE yarn, *Textile Asia*; October, 1975; Vol. 6, 16–24. In English.
- Smith, C.B. Reducing pollution in warp sizing and desizing, *Textile Chemist and Colorist*; 1992; Vol. 24, 6, 30–33. In English.
- Smith, J.B. Ed. *The Technology of Warp Sizing*; Columbine Press: London, England, 1964.
- Soliman, H.A. Evaluation of sizing as a parameter influencing the clinging propensity of warp yarns, *International Textile Bulletin: Yarn and Fabric Forming*; 1995; Vol. 41, 2, 42–44. In English.
- Sonatag, E.; Huttner, V. Hot-melt waxing of warps—an alternative to wet sizing? *Textiltechnik*; 1986; Vol. 36, 6, 305–310. In German.
- Srivastava, H.C.; Harshe, S.N.; Mudia, G.P. Enzymic degradation of tamrind kernel powder, *Indian Journal of Technology*; 1970; Vol. 8, 9, 347–349. In English.
- Srivastava, H.C.; Harshe, S.N.; Gharia, M.M.; Mudia, G.P. Low viscosity tamrind kernel powder, I. Physiochemical properties, II. A sizing material for cotton warp, *Journal of the Textile Association (India)*; Spetember, 1972; Vol. 33, 139–147, 148–154. In English.
- Starz, E. Influence of sizing on subsequent processing of rotor yarns in weaving, *Melliand Textilberichte International*; 1976; Vol. 57, 4, 272–276. In German.
- Stegink, H. Industrial experience with the ITV-Sicam sizing regulator, *Textil Praxis International*; 1994; Vol. 49, 1–2, 36–38. In German.
- Stegink, H. Practical experience with the ITV sizing controller Sicam, *Textil Praxis International*; 1994; Vol. 49, 3, XXIII–XXIV. In English.
- Stegmaier, T.; Trauter, J. Improving sizing recipes. II. Properties of sizing agents and running behaviour of warps as a function of the relative humidity in the loomery [weaving shed], *Institut for Textil, und Verfahrenstechnik Denkendorf, Textil Praxis International*; 1994; Vol. 49, 7/8, 477–482 + VIII– IX. In German and English.
- Stegmaier, T.; Trauter, J. Risk minimisation in making sizing recipe adjustments, *International Textile Bulletin*; 1998; Vol. 44, 1, 50–58. In English.
- Stegmaier, T.; Trauter, J.; Wunderlich, W. Sizing: how to decrease the polluting agents, *Industrie Textile No.1299*; June, 1998, 45–48. In French.
- Steidel, V. Polyacrylate sizes—focused recipe formulation in staple fiber sector, *Melliand International*; March, 1999, 1, 47–50. In English.
- Steidel, V. Polyacrylate sizes—focused recipe formulation in staple fiber sector, *Melliand Textilberichte/International Textile Reports (German Edition)*; January-February, 1999; Vol. 80, 34–37 + E6–E9. In German and English.
- Steidel, V.; Leitner, H. Sizing of denim, *Melliand Textilberichte*; 1996; Vol. 77, 10, 668–674 + E145–E147. In German and English.
- Stein, W. Friction measurements on polyester/wool yarns dressed with various lubricants at high friction speeds, *Textil Praxis*; 1970; Vol. 25, 4, 208–212. In German.

- Stepanovic, J.; Antic, B.; Stamenkovic, M.; Stojanovic, N. The influence of the sizing process on structure and mechanical characteristics of warp thread, *Tekstilna Industrija*; November-December, 1998; Vol. 46, 15–18. In Serbo-Croatian.
- Stepanovic, J.; Antic, B.; Stojanovic, N.; Gligorijevic, V. The influence of sizing on hairiness of weaving warps reduction, *Tekstilna Industrija*; January-February, 2000; Vol. 48, 1–2, 11–14. In Serbo-Croatian.
- Stoll, R.G. An improved multipurpose abrasion tester and its application for the evaluation of the wear resistance of textiles. *Textile Research Journal*. 1949, 19, 394–415. In English.
- Stone-Platt Industries Ltd., Texmaster 936 filament sizing machine, *Platt Bulletin*; 1969; Vol. 11, 6, 218–227. In English.
- Strandberg Engineering Laboratories Inc., Standardising sizing, *High Performance Textiles*; April, 1995, 7. In English.
- Strauss, M.D.; Pettey, D.A. Towards the perfect warp, *Textile Asia*; 1987; Vol. 18, 5, 47–50. In English.
- Streit, W.; Leitner, H.; Hartmann, J. Ecology: challenge for the development of auxiliaries, for example, sizes, *Textilveredlung*; 1988; Vol. 23, 10, 345–349. In German.
- Sucheki, S.; Rozelle, W. Desizing PVA, *Textile Industries*; 1967; Vol. 7, 122. In English.
- Sucker-Muller-Hacoba GmbH & Co. Competence in sizing—prewetting and sizing in a single unit—WETSIZE Size Box SC, *Technical Literature*. In English.
- Sundukov, A.N.; Ivanov, P.A. Automatic control of size viscosity. *Textil Prom.* 1969, 29(2), 31–32. In Russian.
- Svec, Z. Current preparation for sizing manmade fibers, *Textile*; 1968; Vol. 23, 7, 268–270. In Czech.
- Sychevskaya, Yu. D.; Mil'man, Ya. V. Mathematical statistics as an aid in the determination of the relation between the end-breakage rate of warp yarn and the per cent size on the yarn, *Technology of the Textile Industry USSR*; 1968, 1, 67–71. In English.
- Tamazina, V.; Strukova, I.; Senichev, V.; Zemaitaitis, E.; Lobova, A. Sizes for cotton, viscose rayon and triacetate yarns, *Hemijiska Vlakna*; 1991; Vol. 31, 1, 17–22. In Serbo-Croatian.
- Tang, L.; Tian, X. The synthetic size vam, *Journal of China Textile University (Zhongguo Fangzhi Daxue Xuebao)*; 1992; Vol. 18, 3, 88–93. In Chinese.
- Tang, L. Relation between chemical structures and sizing property of starch, *Journal of Textile Research. China Textile Eng. Soc.* 1987, 8(8), August, 463–467. In Chinese (English summary).
- Tesoro, G.C.; Sello, S.B. Polymers as weaving aids, *Polymer News*; July, 1985; Vol. 10, 12, 361–362. In English.
- Thomas, H.L. The current state of weaving preparation, *America's Textiles International*; April, 1994, 71–73. In English.
- Thomas, H.L. 13<sup>th</sup> International Sizing Symposium, ITV- Denkendorf in Troubleshooting and Innovations in Slashing, AATCC Warp Sizing Symposium; March 3–4, 1999, 147–152 In English.

- Thomas, H.L. Sizing of filament yarns for medical uses, *International Textile Bulletin*; October, 2000; Vol. 46., 5, 46–49. In English.
- Thomas, H.L. ITS–Charts: sizing machines, *International Textile Bulletin*; April, 2001; Vol. 47, 2, 59–63. In English.
- Thomas, H.L.; Zeiba, M.J. Size lubrication methods for air-jet spun and ring-spun warp yarns, *Journal of Cotton Science*; 2000; Vol. 4, 2, 112–121. In English.
- Thomas, H.L.; Brayshaw, J.B.; Rutledge, B.L. Mechanical effects of lubricant auxiliary agents in size film reinforcement of warp yarns—surface effects of fatty lubricants on film formation in ring spun yarn substrates, *Textile Chemist and Colorist*; 1996; Vol. 28, 3, 17–21. In English.
- Tobler, H.P.; Baumann, U.; Bosshart, U.; Keller, W. The development of environmentally friendly sizing agents, *Textilveredlung*; 1992; Vol. 27, 7/8, 238–241. In German..
- Trauter, J. Report on the First International Symposium on Sizing, held in Mulhausen/Alsace from Sept. 11–13, 1968, *Textil Praxis International*; 1969, June, 35–36. In English.
- Trauter, J. The influence of some sizing parameters on yarn properties and weaving performance, *Premier Symposium International de la Recherche Textile Cotonniere*: Paris; 1969, 317–330. In French and English.
- Trauter, J. The most important physical influences in the sizing process in relation to their effect on the weavability performance of the yarns, *Textil Praxis International*; 1972; Vol. 27, 4, 221–223; No. 5, 273–275; No. 8, 480–485; No. 10, 593–595; 28, No. 1, 22–26. In German.
- Trauter, J. The adhesion power of sizes, *Chemiefasern/ Textilindustrie*; 1973, 23/75; No. 5, 421–424; No. 6, 556–559. In German.
- Trauter, J. Contribution on the subject of after-waxing (after-sizing), *Melliand Textilberichte International*; 1973; Vol. 54, 10, 1031–1034. In German.
- Trauter, J. Dependence of the degree of sizing on the concentration and viscosity of the sizing liquor, *Textil Praxis International*; 1975; Vol. 30, 11, 1507. In German.
- Trauter, J. Current position of measuring technology in sizing, *Chemiefasern/Textilindustrie*; 1976; Vol. 26/78, 6, 543–544, 546, 549–550 + E103–E105; No. 7, 591–594 + E111–E113. In German and English.
- Trauter, J. Evaluation of processing behaviour of sized yarns, Lecture to the Reutlinger Colloquium “Processing Behaviour of Fibers and Yarns”, of the Institute of Textile Technology on October 19–20, 1976. *Melliand Textilberichte*, English Edition; 1977, 388–393. In English.
- Trauter, J. In *Sizing Symposium*. English Edition; Melliand Textilber: Barcelona, 1977; Vol. 6, 7, 567–570. In English.
- Trauter, J. Measure for reducing the hairiness of warp yarns during sizing from the point of view of weaving the warps on air-jet looms, *Chemiefasern/Textilindustrie*; 1986; Vol. 36/88, 12, 1012(1). In German.
- Trauter, J. Possibilities of cost saving in the size of spun yarns, *International Textile Bulletin, Yarn and Fabric Forming Third Quarter*; 1986; Vol. 32, 19–42. In English.



- Trauter, J. Reduction of the hairiness of sized warp yarns, *Textil Praxis International*; 1986; Vol. 41, 2, 121–123. In German.
- Trauter, J. Sizing at ITMA 1987, *Chemiefasern/Textilindustrie*; 1988; Vol. 38/90, 2, 116–118. In German.
- Trauter, J. Control of the degree of sizing of warps. Rapid determination of liquor uptake, *Textil Praxis International*; 1987; Vol. 42, 12, 1453–1454. In German.
- Trauter, J.; Bottle, H. The recovery of polyacrylate size using ultrafiltration membranes, *Melliand Textilberichte*; 1992; Vol. 73, 4, 318–325 + E132–E135. In German and English.
- Trauter, J.; Gotz, K. Use of mechanical elements for reducing the hairiness of sized yarns, *Melliand Textilberichte* [with English translation]; 1987; Vol. 68, 5, 319–326 + E140–E143. In German and English.
- Trauter, J.; Laupichler, M. Studies on sizes for spun yarns, *Melliand Textilberichte International*; 1975; Vol. 56, 9, 706–709; 10, 800–805. In German.
- Trauter, J.; Laupichler, M. Studies on sizes for yarns, the Reutlingen web tester, *Textil Praxis International*; 1975; Vol. 30, 12, 1638–1639. In English.
- Trauter, J.; Laupichler, M. Data sheets for sizing agents, from the Institut für Textiltechnik Reutlingen (ITR), *Melliand Textilberichte*; 1976; Vol. 57, 5, 375–379; No. 6, 443–444; No. 7, 545–548; No. 8, 625–626; No. 9, 713–714; No. 10, 797–797; No. 11, 875–876; No. 12, 979–980. In German.
- Trauter, J.; Laupichler, M. Data sheets for sizing agents, from the Institut für Textiltechnik Reutlingen (ITR), *Melliand Textilberichte International*; 1976; Vol. 57, 5, 375–379. In German.
- Trauter, J.; Laupichler, M. Data sheets for sizing agents, from the Institut für Textiltechnik Reutlingen (ITR), *Melliand Textilberichte International*; 1976; Vol. 57, 6, 443–444. In German.
- Trauter, J.; Rueb, J. Investigation of dust formation in the dry dividing section of the sizing machine, *Melliand Textilberichte*; 1980; Vol. 61, 8, 666–676. In German.
- Trauter, J.; Schneider, H.J. Addition of fatty compounds to the sizing liquor afterwaxing of warps. Measure to achieve an optimum thread smoothness I, *Melliand Textilberichte International*; 1975; Vol. 56, 11, 869–871. In German.
- Trauter, J.; Schneider, H.J. Addition of fatty compounds to the sizing liquor- Afterwaxing of Warps, *Textil Praxis International*; 1975; Vol. 30, 8, 961–962. In English.
- Trauter, J.; Scholze, D. New studies on foam sizing and sintered roller sizing, *Textil Praxis International*; 1993; Vol. 48, 4, 292–301. In German.
- Trauter, J.; Stegmaier, T. Top quality warps through computer-assisted control of size application, *International Textil Bulletin. Yarn and Fabric Forming*; 1990; Vol. 36, 25–28. In English.
- Trauter, J.; Stegmaier, T. Improving sizing recipes. I; Institut für Textil- und Verfahrenstechnik Denkendorf, *Textil Praxis International*; 1992; Vol. 47, 12, 1125–1128 + V–VI. In German and English.
- Trauter, J.; Vialon, R. *Textilbetrieb*; 1986; Vol. 104, 6, 33–45. In German and English.

- Trauter, J.; Vialon, R. Effects of sizing parameters on the production performance of the sizing machine, *Textil Praxis International*; 1987; Vol. 42, 6, 601–603. In English.
- Trauter, J.; Weisenberger, W. Reutlingen webtester, *Textil Praxis International*; 1979; Vol. 34, 1134–1135. In English.
- Trauter, J.; Wunderlich, W.; Bottle, H. Study on cold sizing of staple fibre yarns. I. Principles: influence of parameters on the degree of sizing. [II], *Melliand Textilberichte*; 1992; Vol. 73, 8, 623–626. In German.
- Trauter, J.; Schneider, H.J.; Laupichler, M. Sizing of dense warps, *Melliand Textilberichte International*; 1975; Vol. 56, 1, 16–20; 2, 114–117. In German.
- Trauter, J.; Ruess, B.; Bauer, H. Reducing the load of waste water in desizing by equalizing sizing at high and low speeds—recovery of PVA sizes from the scouring liquor in textile finishing, *Textil Praxis International*; 1976; Vol. 31, 6, 644–645. In German.
- Trauter, J.; Ruess, B.; Bauer, H. Uniform warp sizing at high and low speeds, *Melliand Textilberichte*; 1977; Vol. 58, 1, 17–21. In German.
- Trauter, J.; Bauer, H.; Ruess, B.; Laupichler, M. Methods and tests to determine the weavability of sized yarn, *Third International Sizing Symposium*; Shirley Institute: Manchester, England, 1977, 67–92. In English.
- Trauter, J.; Bottle, H.; Ruess, B. Measuring and controlling in sizing, *Melliand Textilberichte*, English Edition; 1985; Vol. 14, 11, 867–876. In English.
- Trauter, J.; Bottle, H.; Pleva, R.; Ruess, B. Measurement, control and regulation in sizing, *Melliand Textilberichte*; 1985; Vol. 66, 11, 779–785. In German.
- Trauter, J.; Vialon, R.; Gotz, K.; Ruess, B. Sizing yarns of inferior quality, *Textile Praxis International, Foreign Edition with English Supplement*; 1988; Vol. 43, 7, 717–718 + VIII–XI. In German and English.
- Trauter, J.; Vialon, R.; Stegmeier, T. Correlation between the adhesive strength of sizes and the clinging tendency when weaving, *Melliand Textilberichte*; 1991; Vol. 72, 8, 595–603 + E251–E254. In German and English.
- Trauter, J.; Wunderlich, W.; Bottle, H. Study on cold sizing of staple fibre yarns. I. Principles: influence of parameters on the degree of sizing, *Melliand Textilberichte*; 1992; Vol. 73, 7, 551–554 + E255–E259. In German and English.
- Trauter, J.; Bottle, H.; Bayazeed, A.; Krattenmacher, D.; Stegmaier, T. New results from investigations on size recycling [I], *Textil Praxis International*; 1993; Vol. 48, 7/8, 591–598. In German.
- Trauter, J.; Bottle, H.; Bayazeed, A.; Krattenmacher, D.; Stegmaier, T. New findings from investigations on size recycling [II], *Textil Praxis International*; 1993; Vol. 48, 9, 697–703. In German.
- Trauter, J.; Wunderlich, W.; Bottle, H.; Renz, M. Studies in cold sizing of staple - fibre yarns. II. Test criteria. Weaving behaviour and properties of cold sized warp yarns, *Melliand Textilberichte*; 1993; Vol. 74, 9, 852–858 + E306–E310. In German and English.
- Trauter, J.; Bottle, H.; Wunderlich, W.; Vialon, R. Ultrasonic treatment in the size box and steaming of raw yarns for the purpose of increasing the affinity of the sizing

- materials for the fibre, *Textil Praxis International*; 1994; Vol. 49, 7/8, 487–488 + XIII–XIV. In German and English.
- Trauter, J.; Wunderlich, W.; Alber, T. Wetting- out and steaming of warp yarns—effective means of increasing the efficiency of sizing agents, *International Textile Bulletin: Yarn and Fabric Forming*; 1995; Vol. 41, 3, 96–102. In English.
- Trauter, J.; Zoudlik, C.; Scholze, U.; Stegmaier, T.; Wunderlich, W. Conventional sizing and cold warp sizing—evaluation of the productive capacity and production costs [II], *Melliand Textilberichte*; 1995; Vol. 76, 7/8, E484–E487 + E131–E133. In German and English.
- Trauter, J.; Zoudlik, C.; Scholze, U.; Stegmaier, T.; Wunderlich, W. Conventional sizing and cold warp sizing—evaluation of the productive capacity and production costs [I], *Melliand Textilberichte*; 1995; Vol. 76, 6, 392–395 + E104–E106. In German and English.
- Trauter, J. Progress in sizing research, *International Textile Bulletin: Yarn and Fabric Forming*; 1996; Vol. 43, 2, 11–16. In English.
- Trauter, R. J.; Zoudlik, H.; Abele, H. Warp yarns: sizing versus twisting, *International Textile Bulletin*; 1998; Vol. 44, 2, 60–63. In English.
- Trommer, C.R. Identification of sizings on fabrics woven from synthetic filament yarn, *Textile Research Journal*; 1957; Vol. 27, 66–72. In English.
- Trost, H.B.; Bush, H.B. Sizing up warp sizes, *Textile Industries*; 1970; Vol. 134, 6, 127–134. In English.
- Tsai, H.Y.; Wei, Y.C. Application of refractive index measurements to warp sizing, *Journal of the China Textile Institute*; 1995; Vol. 5, 6, 416–419. In Chinese.
- Tsudakoma Corp., Nomachi Kanazawa, Japan, Single-End Sizing System, *Technical Literature*. In English.
- Tyagunov, V.A. Method for determining the yarn winding density on weaver's beams, *Technologiya Tekstil'noi Promyshlennosti*; 1987; Vol. 5, 179, 51–53. In Russian.
- Ulmer, K.; Henzl, J. Influence of sizing agents on dust formation, *Melliand Textilberichte*; 8/1980; Vol. 61, 677–679. In German.
- Utkin, Yu. M.; Stupnikov, A.N.; Parfenov, D.L. Device for measuring warp yarn stretch in sizing, *Technologiya Tekstil'noi Promyshlennosti*; 1976; Vol. 2, 110, 78–80. In Russian.
- Varga, G.; Roette, H.K. Sizing of wool singles yarn from 23  $\mu\text{m}$  merino wool for use in the cool-wool sector, *Schriftenreihe des Deutschen Wolforschungsinstitutes*; 1986, 99, 456–470. In German.
- Varshavskii, O.G.; Mil'man, Ya V.; Dadashev, R.G. Mathematical model of elastic deformation in warp sizing under steady-state conditions, *Technology of the Textile Industry USSR*; 1972, 3, 48–52. In English.
- Vassallo, J. C. The Chemistry of spun sizing in troubleshooting and innovations in Slashing, *AATCC Warp Sizing Symposium*; March 3–4, 1999, 41–47. In English.
- Vassallo, J.C. Advances in partially hydrolysed PVA (polyvinyl alcohol), *Textile Chemist and Colorist*; 1987; Vol. 19, 11, 39–42. In English.

- Vassallo, J.C. Advances in partially hydrolysed polyvinyl alcohol technology, Book of Papers, 1986 International Conference and Exhibition, AATCC; Research Triangle Park: NC, 1986, 178–185. In English.
- Vassallo, J.C. Low hydrolysis poly(vinyl alcohol): advantages in slashing and finishing. AATCC. Book of Papers; Sept. 28–Oct.1, 1997, 236–241. In English.
- Vasudev, V. Most effective method of sizing polyester/cotton blended yarns in different blending ratios 25:75 to 80:20 for getting optimum results in loom shed. Journal of the Textile Association. 1976, 37(2), 46–52. In English.
- Venkataraman, A.; Mayboo, C. Estimation of size penetration using scanning electron microscope, BTRA Scan; 1994; Vol. 25, 3, 13–16. In English.
- Vernekar, S. Foam sizing: perspective and limitations, Man-made Textiles in India; 1992; Vol. 35, 2, 52–55. In English.
- Victori Companys, J. Methods of working in warping/sizing for flat fabric production, Tecnica Textil Internacional; 1991; Vol. 35, 1, 33–40. In Spanish.
- Victori, J. Products for sizing of warps, Technica Textil Internacional; 1990; Vol. 34, 50, 48–56. In Spanish.
- Vidyarthi, S.P.; Hari, P.K.; Aggarwal, V.K. Analysis of size dropping and their correlation with warp breakages. Textile Research Journal. 1983, 53, 334–340. In English.
- Vijaykumar, V.; Bhatt, V. R. Sizing methods for reducing yarn hairiness, ATIRA Communications on Textiles; 1990; Vol. 24, 4, 145–152. In English.
- Vincent, J.J.; Robinson, D.M. The sizing of single worsted warp yarn, Textile Institute and Industry; 1971; Vol. 9, 7, 181–184. In English.
- Vlasov, P.V.; Smirnov, V. M. Developing optimum parameters for the foam sizing of cotton yarns, Tekhnogiya Tekstil'noi Promyshlennost'; 1996; Vol. 6, 106–107. In Russian.
- Voloshchenko, V.P.; Serdyuk, V.P. The dynamics of the transient processes in drum-type sizing machines for rayon, Technology of the Textile Industry USSR; 1968, 4, 89–94. In English.
- Von Brunn, C. New process technologies in sizing, Melliand Textilberichte International; 1975; Vol. 56, 11, 872–874. In German.
- Von Brunn, C.G. Economics of purpose-built sizing machines and size cooking plant, International Textile Bulletin, Weaving; 1975, 1, 13–14, 21–22, 27–28, 33–34. In English.
- Von Kannen, A.; Fiedler, H. Warp supply tension at the sizing machine and influences exerted on it, Textil Praxis International; 1973; Vol. 28, 4, 198–204. In German.
- Voswinckel, G. Computer-Aided sizing machine, the chance of perfection, Melliand Textilberichte [with English Translation]; 1988; Vol. 69, 6, 400–402 + E206–E207. In German and English.
- Voswinckel, G. Draw-sizing and sizing-drawing of POY yarns, Chemiefasern/Textilindustrie; 1991; Vol. 41/93, 2, 114–116. In German.
- Voswinckel, G. Increased weave room efficiency and cost reduction by improvements in warp preparation, Textil Praxis International; 1993; Vol. 48, 6, 495–501 + XII–XIII. In German and English.

- Voswinckel, G. Optimisation of sizing through process control, *International Textile Bulletin*; July, 2000; Vol. 46, 3, 59–63. In English.
- Voswinckel, G. Sizing for tomorrow's weaving technology, *Melliand Textilberichte/International Textile Reports* (German Edition); January-February, 1999; Vol. 80, 43–45 + E9. In German and English.
- Voswinckel, G. Sizing for tomorrow's weaving technology, *Melliand International*; March, 1999, 1, 44–46. In English.
- Voswinckel, G. Sizing of microfilament yarns, *Asian Textile Journal*; December/January, 1992/1993; Vol. 1, 2/3, 60–62. In English.
- Voswinckel, G. Sizing optimization, *Industrie Textile*; May, 2000, 1320, 61–63. In French.
- Voswinckel, G. Trends in sizing machine engineering, *Melliand Textilberichte* [with English translation]; 1987; Vol. 68, 3, 169–172 + E72–E73. In German and English.
- Voswinckel, G. Warping, drawing and sizing in a continuous process for preoriented filaments yarns, *Tecnica Textil Internacional*; 1991; Vol. 35, 2, 40–42. In Spanish.
- Wagh, A.S. Stretch control on sizing machine, *Textile Highlights*; April, 1976; Vol. 3, 11–17. In English.
- Wagh, A.S. Yarn tension in the back beam zone, *Textile Highlights*; 1975; Vol. 2, 1, 43–49. In English.
- Walker, A.C.; Olmstead, P.S. Textile yarn abrasion test. *Textile Research Journal*. 1945, 15, 201–222. In English.
- Walker, R.P.; Perkins, W.S. Effect of sizing wax on tensile properties, abrasion resistance, and weaving performance of polyester/cotton yarn sized with polyvinyl alcohol. *Textile Research Journal*. 1985, 55, 667–671. In English.
- Walter, H. Uniform sizing effect with the automatic dry feed apparatus, *Spinner Webber Textilverdlung*; 1969; Vol. 87, 825–829. In English and German.
- Walter, H. Uniform sizing effects with the automatic dry-feed apparatus, *Spinner Weber Textilverdlung*; 1969; Vol. 87, 9, 824–829. In German and English.
- Wang, S. The development of the JMQ-2T electronic yardage counter for sizing machines, *Xibeifangzhi Gongxueyuan Xuebao*; 1995; Vol. 9, 2, 190–192. In Chinese.
- Warlick, S.J. Refinement of the slashing art, *Textile Industries*; November, 1975; Vol. 139, 33, 35–37, 95. In English.
- Weng, Y.; Zhang, S. Exploration of foam sizing, *Journal of China Textile University* (*Zhongguo Fangzhi Daxue Xuebao*); 1992; Vol. 18, 2, 99–106. In Chinese.
- West Point Foundry Machine Co., Modern slasher tension controls, *Textile Industries Dyegest Southern Africa*; July, 1986; Vol. 5, 2, 2–5. In English.
- West, P. J. Biodegradable textile warp sizing, *Australasian Textiles*; May/June, 1992; Vol. 12, 3, 51–52. In English.
- Wolf, H.; Durrbeck, P. Sizing of warps made of cotton yarns and regenerated cellulose, *International Textile Bulletin, World Edition, Weaving*; 1/1969, 47–52. In English.

- Wolf, H. Modern sizing agents and methods of sizing for man-made fibers, *Melliand Textilberichte International*; 1972; Vol. 53, 12, 1345–1347. In German.
- Wunderlich, W.; Stegmaier, T.; Trauter, J. Fundamentals of pre-wetting staple fibre yarns, *Melliand Textilberichte/International Textile Reports (German Edition)*; March, 2002; Vol. 83, 121–124 + E24–E25. In German and English.
- Xie, J. Study of VM size for polyester filament and performance testing. *Journal of Textile Research, China Textile Eng. Soc.* 1987, 8(10), 601–605. In Chinese (English summary).
- Yamshchokov, S. V.; Brut-Brulyako, A. B. Relative error in determining the true add-on on sized yarn, *Tekhnologiya Tekstil'noi Promyshlennosti*; 1991; Vol. 6, 47–49. In Russian.
- Yang, C.Q.; Bresee, R.R. Studies of sized cotton yarns by FTIR (Fourier transform infrared) photoacoustic spectroscopy. *Journal of Coated Fabrics*. October, 1987, 17, 110–129. In English.
- Yelland, W.E. Continuous filament rayon slashing: evaluation of different grades of gelatins and glues; effect of drying warps to high regains, *Textile Research Journal*; 1941; Vol. 11, 356–362.
- Yelland, W.E. Effect of size and size application on the properties of continuous filament viscose rayon, *Textile Research Journal*; 1939; Vol. 9, 183–189.
- Yelland, W.E. Relation of warp sizing to loom efficiency, *Textile Research Journal*; 1941; Vol. 11, 194–199.
- Zadlo, J. Sizing of warps from microfibres, *Przegląd Włokienniczy*; 1994; Vol. 48, 1, 14–16. In Polish.
- Zawadzki, J. Dry sizing of warps, *Textiltechnik*; 1973; Vol. 23, 7, 415–417. In German.
- Zell Schonau, A.G. Automatically controlled size cooking, *Chemiefasern/Textilindustrie [with English translation]*; 1987; Vol. 37/89, 9, 854 + E110. In German and English.
- Zheng, S. Wool Yarn Sizing. *J. of Text. Res., China Textile Eng. Soc.* 1987, 8(5), 283–284. In Chinese (English summary).
- Zhivetin, V.V.; Ostrovskaya, A.V.; Ol'shanskaya, O.M. Testing the interior tension change in yarn, *Tekstil'naya Promyshlennost'*; 1985; Vol. 45, 11, 69–71. In Russian.
- Zhivetin, V.V.; Sevast'yanove, A.G.; Pylova, G.I. Fatigue strength of rotor open-end-spun flax yarns, *Tekstil'naya Promyshlennost'*; 1986; Vol. 46, 7, 61–62. In Russian.
- Zhou, Y. Research on preparation of acetate/tapioca starch. *Journal of Textile Research, China Textile Eng. Soc.* 1988, 9(4), 153–156. In Chinese (English summary).
- Zhou, Y.Y. Modified starch sizing agent, *Journal of East China Institute of Textile Science and Technology*; 1985; Vol. 2, 2, 22–31. In English.
- Zinsmeister, R. Chemical and textile-technological experiments on sized filament yarns, *Melliand Textilberichte International*; 1976; Vol. 57, 5, 380–385. In German.