1. A removal of rust stain from silk and cotton fabrics using supercritical carbon dioxide, Kaneda, Satoshi; Sukigara, Sachiko; Okubayashi, Satoko, Sen'i Gakkaishi (2013), 69(12), 235-239.
2. Fabrication of micro-hollow fiber by electrospinning process in near-critical carbon dioxide, Okamoto, Koichi; Wahyudiono; Machmudah, Siti; Kanda, Hideki; Okubayashi, Satoko; Fukuzato, Ryuichi; Goto, Motonobu, AIP Conference Proceedings (2014), 1586(1, 5th Nanoscience and Nanotechnology Symposium, 2013), 43-47.
3. Manufacture of modified graft fibers, Okubayashi, Satoko; Mio, Wataru; Shinbayashi, Hiroyuki; Michinobu, Takao, Jpn. Kokai Tokkyo Koho (2014), JP 2014065978 A 20140417.
4. Formation of PVP hollow fibers by electrospinning in one-step process at sub and supercritical CO_2, Wahyudiono; Machmudah, Siti; Kanda, Hideki; Okubayashi, Satoko; Goto, Motonobu, Chemical Engineering and Processing (2014), 77, 1-6.
5. A simplified measurement of adhesion between p-aramid fiber and polypropylene, Shao, Zhenzong; Nakai, Asami; Okubayashi, Satoko, Journal of the Textile Institute (2014), 105(2), 129-135.
6. Deacidification of acid paper with oreanic base in supercritical carbon dioxide, Kaneda, Satoshi; Sukigara, Sachiko; Okubayashi, Satoko, Sen'i Gakkaishi (2012), 68(10), 265-268.
7. Irradiation of Cellulosic Pulps: Understanding Its Impact on Cellulose Oxidation, Henniges, Ute; Okubayashi, Satoko; Rosenau, Thomas; Potthast, Antje, Biomacromolecules (2012), 13(12), 4171-4178.
8. Improved yarns and high-speed stable manufacture thereof by using graft polymerization, Mimura, Yoshihide; Gennaka, Shuichi; Yonezawa, Shuichi; Nishihara, Kazuya; Hori, Teruo; Okubayashi, Satoko, Jpn. Kokai Tokkyo Koho (2012), JP 2012107362 A 20120607.
9. Non-destructive evaluation of historic textiles by compression measurement using the "Kawabata Evaluation System (KES)", Sato, Moe; Okubayashi, Satoko; Sukigara, Sachiko; Sato, Masanori, e-Preservation Science (2011), 8, 55-61.
10. Preparation of electrospun polycaprolactone nanofibers with water-soluble eggshell membrane and catechin, Kang, Jian; Chen, Long; Okubayashi, Satoko; Sukigara, Sachiko, Journal of Applied Polymer Science (2012), 124(S1), E83-E90.
11. Metal film formation method, Hisahara, Chika; Okubayashi, Satoko; Anneliese, Erhard, Jpn. Kokai Tokkyo Koho (2011), JP 2011195859 A 20111006.
12. Manufacture of metallic nanowires, Hisahara, Chika; Okubayashi, Satoko; Ehrhardt, Anelise, Jpn. Kokai Tokkyo Koho (2011), JP 2011168817 A 20110901.
13. Method for treating surfaces of polymer moldings by ion implantation and fire-resistant polymer moldings manufactured by the method, Okubayashi, Satoko; Nagamachi, Shinji, Jpn. Kokai Tokkyo Koho (2011), JP 2011162623 A 20110825.
14. Impregnation of fluorescence dyes into polymer optical fiber using carbon dioxide fluid, Zhao,

Chuan; Okubayashi, Satoko; Suzuma, Takayuki; Hirogaki, Kazumasa; Tabata, Isao; Hori, Teruo, Sen'i Gakkaishi (2011), 67(2), 34-39.

15. Supercritical dyeing of polyester fibers in a mini-plant possessing internal circulator, Okubayashi, Satoko; Suzuma, Takayuki; Zhao, Chuan; Miyazaki, Keisuke; Hirogaki, Kazumasa; Tabata, Isao; Hori,Teruo, Sen'i Gakkaishi (2011), 67(2), 27-33.
16. Research work with colorant, fiber and their functionalization, Okubayashi, Satoko, Sen'i Gakkaishi (2011), 67(2), P38-P42.
17. Impregnation of cyanuric chloride into synthetic fabrics (PET and PP) by supercritical carbon dioxide and its application in immobilizing natural biomacromolecules, Ma, We-Xiao; Okubayashi, Satoko; Hirogaki, Kazumasa; Tabata, Isao; Hisada, Kenji; Hori, Teruo, Sen'i Gakkaishi (2010), 66(10), 243-252.
18. Fabrication of electrospun eggshell membrane nanofibers by treatment with catechin, Kang, Jian; Kotaki, Masaya; Okubayashi, Satoko; Sukigara, Sachiko, Journal of Applied Polymer Science (2010), 117(4), 2042-2049.
19. A novel method of modifying poly(ethylene terephthalate) fabric using supercritical carbon dioxide, Ma, Wen-Xiao; Zhao, Chuan; Okubayashi, Satoko; Tabata, Isao; Hisada, Kenji; Hori, Teruo, Journal of Applied Polymer Science (2010), 117(4), 1897-1907.
20. Impregnation of polymer compounds into fibers using supercritical carbon dioxide, Hori, Teruo; Baba, Toshiyuki; Tabata, Isao; Hirogaki, Kazumasa; Hisada, Kenji; Okubayashi, Satoko, Sen'i Gakkaishi (2010), 66(3), 70-73.
21. Impregnation of chitin/chitosan into polyester fabric using supercritical carbon dioxide, Baba, Toshiyuki; Hirogaki, Kazumasa; Tabata, Isao; Okubayashi, Satoko; Hisada, Kenji; Hori, Teruo, Sen'i Gakkaishi (2010), 66(3), 63-69.
22. The electron-beam-irradiation apparatus and the electron-beam-irradiation method [machine translation], Hori, Teruo; Okubayashi, Satoko; Takahashi, Ikuo; Tanaka, Kiyoaki; Shimizu, Shinichi, Jpn. Kokai Tokkyo Koho (2010), JP 2010054407 A 20100311.
23. Control of hydrophilic-hydrophobic properties on surface of synthetic resin molded products and synthetic resin molded products prepared thereby, Abe, Kazuaki; Okubayashi, Satoko; Hori, Teruo, Jpn. Kokai Tokkyo Koho (2010), JP 2010053237 A 20100311.
24. Effect of electron beam irradiation on the structure and properties of electrospun PLLA and PLLA/PDLA blend nanofibers, Zhang, Xiwen; Kotaki, Masaya; Okubayashi, Satoko; Sukigara, Sachiko, Acta Biomaterialia (2010), 6(1), 123-129.
25. Textile finishing by electron beam irradiation technology, Hori, Teruo; Okubayashi, Satoko
Edited By:Shirai, Hirofusa, Kinosei Sen'i no Saishin Gijutsu (2009), 58-68.
26. Foaming treatment of fiber materials for manufacture of lightweight or heat insulative fiber materials, by impregnating fiber materials having undrawn portions with alcohol blowing

agents and foaming the blowing agents, Hori, Teruo; Hisada, Kenji; Okubayashi, Satoko; Yamamoto, Takahide; Ihara, Makoto, Jpn. Kokai Tokkyo Koho (2009), JP 2009293166 A 20091217.

27. Application of electron beam technology to textile finishing, Okubayasi, Satoko; Hori, Teruo, Senshoku Kenkyu (2009), 53(3), 88-93.
28. Compositing by monomer injection into the fibers and polymerization using super critical carbon dioxide, Hori, Teruo; Okubayashi, Satoko, Kogyo Zairyo (2009), 57(3), 60-63.
29. Surface-modified polymer articles and the manufacturing methods therefor, Abe, Kazuaki; Hori, Teruo; Okubayashi, Satoko, Jpn. Kokai Tokkyo Koho (2008), JP 2008303287 A 20081218.
30. Preparation of photo-catalysts fixed polypropylene materials by electron beam exposure technology, Okubayashi, Satoko; Hori, Teruo, Kako Gijutsu (Osaka, Japan) (2008), 43(10), 620-624.
31. Post treatment method for improving heat resistance of lactic acid polymer fiber structures, Hori, Teruo; Hisada, Kenji; Okubayashi, Satoko; Yamamoto, Takahide; Yoshimura, Daizo; Takeda, Keiji; Hoshino,Yoshiaki; Akita, Kiyoshi; Kaneiwa, Hidekazu; Takahashi, Ikuo; et al, Jpn. Kokai Tokkyo Koho (2008), JP 2008255500 A 20081023.
32. Textile processing by electron-beam irradiation, Okubayashi, Satoko; Hori, Teruo, Sen'i Gakkaishi (2008), 64(8), P252-P257.
33. Preparation of conductive fibers using supercritical carbon dioxide, Okubayashi, Satoko; Hori, Teruo, Kako Gijutsu (Osaka, Japan) (2008), 43(6), 361-365.
34. New functional materials using supercritical fluid, Hori, Teruo; Okubayashi, Satoko, Advanced Biomimetics Series (2006), 2(Faiba: Supa Baiomimetikkusu: Kinmirai no Shingijutsu Sosei), 1071-1078.
35. Hydrophilic treatment of polypropylene using supercritical carbon dioxide, Okubayashi, Satoko, Kako Gijutsu (Osaka, Japan) (2008), 43(2), 135-138.
36. Control methods of surface hydrophilic-hydrophobic properties and synthetic resin molded articles with controlled surfaces, Hori, Teruo; Okubayashi, Satoko; Abe, Kazuaki; Yamauchi, Junichi, Jpn. Kokai Tokkyo Koho (2008), JP 2008045077 A 20080228.
37. Thermal resistance improvement of polylactic acid fibers by electron beam crosslinking, Okubayashi, Satoko, Kako Gijutsu (Osaka, Japan) (2007), 42(11), 708-712.
38. Chelating agent containing fibers and clothes and their manufacture, Takahashi, Ikuo; Hori, Teruo; Okubayashi, Satoko, Jpn. Kokai Tokkyo Koho (2007), JP 2007247104 A 20070927.
39. Application and practice of super carbon dioxide technology to textile industry, Hori, Teruo; Okubayashi, Satoko, Senshoku Kenkyu (2007), 51(3), 73-77.
40. Impregnation of silk sericin into polyester fibers using supercritical carbon dioxide, Kongdee,

Arunee; Okubayashi, Satoko; Tabata, Isao; Hori, Teruo, Journal of Applied Polymer Science (2007), 105(4), 2091-2097.

41. Trends of the development of supercritical carbon dioxide technique with high expectations for applications. Nearness to the practical use of the technique for dyeing fibers with reduced environmental load and for various, functionalization finishing besides plating, Hori, Teruo; Okubayashi, Satoko, Kogyo Zairyo (2007), 55(2), 77-82.
42. Coating and surface modification of textiles using supercritical carbon dioxide, Hori, Teruo; Okubayashi, Satoko, Fain Kemikaru (2007), 36(1), 71-76.
43. High durable cellulosic textiles - strategies for high resistance to fibrillation and pilling, Okubayashi, Satoko; Zhang, Wangsun; Bechtold, Thomas, Lenzinger Berichte (2006), 85, 98-106.
44. Pre-treatment concepts to control fibrillation of lyocell fibers, Zhang, Wangsun; Okubayashi, Satoko; Bechtold, Thomas; Badura, Wolfram, Melliand Textilberichte (2006), 87(7-8), E118-E120,533-537.
45. A new method of producing conductive aramid fibers using supercritical carbon dioxide, Zhao, Xi; Hirogaki, Kazumasa; Tabata, Isao; Okubayashi, Satoko; Hori, Teruo, Surface and Coatings Technology (2006), 201(3-4), 628-636.
46. Structural changes in poly(ethylene terephthalate) induced by supercritical carbon dioxide containing a cosolvent as a modifier, Hirogaki, Kazumasa; Zhao, Xi; Tabata, Isao; Hisada, Kenji; Okubayashi, Satoko; Hori, Teruo, Sen'i Gakkaishi (2006), 62(8), 180-185.
47. Splitting tendency of cellulosic fibers. Part 2: effects of fiber swelling in alkali solutions, Oeztuerk, Hale Bahar; Okubayashi, Satoko; Bechtold, Thomas, Cellulose (Dordrecht, Netherlands) (2006), 13(4), 403-409.
48. Splitting tendency of cellulosic fibers - part 1. The effect of shear force on mechanical stability of swollen lyocell fibers, Oeztuerk, Hale Bahar; Okubayashi, Satoko; Bechtold, Thomas, Cellulose (Dordrecht, Netherlands) (2006), 13(4), 393-402.
49. Fibrillation tendency of cellulosic fibers, part 6: effects of treatments with additive polymers, Zhang, Wangsun; Okubayashi, Satoko; Badura, Wolfram; Bechtold, Thomas, Journal of Applied Polymer Science (2006), 101(6), 4140-4147.
50. Dyeing and finishing of textiles using supercritical carbon dioxide. Part 2. Functional treatment and metal plating of textiles, Hori, Teruo; Tabata, Isao; Okubayashi, Satoko, Sen'i Kogyo Kenkyu Kyokai Hokoku (2005), 15, 3-7.
51. Supercritical fluid dyeing, Hori, Teruo; Okubayashi, Satoko, Edited By:Wakayama, Hiroaki, Materials Chemistry in Supercritical Fluids (2005), 65-78.
52. Lyocell research in Europe, Okubayashi, Satoko, Sen'i Gakkaishi (2006), 62(3), P79-P82.
53. Treatment of ramie fabric with supercritical carbon dioxide and its application to electroless

metal plating, Zhao, Xi; Zheng, Guanghong; Tabata, Isao; Hisada, Kenji; Okubayashi, Satoko; Hori, Teruo, Sen'i Gakkaishi (2006), 62(3), 47-51.

54. Fibrillation tendency of cellulosic fibers. VII. Combined effects of treatments with an alkali, crosslinking agent, and reactive dye, Zhang, Wangsun; Okubayashi, Satoko; Badura, Wolfram; Bechtold, Thomas, Journal of Applied Polymer Science (2006), 100(2), 1176-1183.
55. Alkali Uptake and Swelling Behavior of Lyocell Fiber and their Effects on Crosslinking Reaction, Okubayashi, S.; Bechtold, T., Cellulose (Dordrecht, Netherlands) (2005), 12(5), 459-467.
56. Water Accessibilities of Man-made Cellulosic Fibers - Effects of Fiber Characteristics, Okubayashi, Satoko; Griesser, Ulrich J.; Bechtold, Thomas, Cellulose (Dordrecht, Netherlands) (2005), 12(4), 403-410.
57. Fibrillation tendency of cellulosic fibers. Part 2: Effects of temperature, Zhang, Wangsun; Okubayashi, Satoko; Bechtold, Thomas, Cellulose (Dordrecht, Netherlands) (2005), 12(3), 275-279.
58. Fibrillation tendency of cellulosic fibers. Part 1: Effects of swelling, Zhang, Wangsun; Okubayashi, Satoko; Bechtold, Thomas, Cellulose (Dordrecht, Netherlands) (2005), 12(3), 267-273.
59. Fibrillation tendency of cellulosic fibers-Part 4. Effects of alkali pretreatment of various cellulosic fibers, Zhang, Wangsun; Okubayashi, Satoko; Bechtold, Thomas, Carbohydrate Polymers (2005), 61(4), 427-433.
60. A pilling mechanism of man-made cellulosic fabrics-effects of fibrillation, Okubayashi, S.; Bechtold, T., Textile Research Journal (2005), 75(4), 288-292.
61. Improvement of wettability of hydrophobic films by impregnation of anthraquinone attached to polyoxyethylene glycol, Okubayashi, Satoko; Itoh, Yukie; Shosenji, Hideto, Journal of Applied Polymer Science (2005), 97(2), 545-549.
62. Moisture sorption/Desorption behavior of various manmade cellulosic fibers, Okubayashi, Satoko; Griesser, Ulrich J.; Bechtold, Thomas, Journal of Applied Polymer Science (2005), 97(4), 1621-1625.
63. A pilling mechanism for cellulosic knit fabrics - effects of wet processing, Okubayashi, S.; Campos, R.; Rohrer, C.; Bechtold, T., Journal of the Textile Institute (2005), 96(1), 37-41.
64. Fibrillation tendency of cellulosic fibers- Part 3. Effects of alkali pretreatment of lyocell fiber, Zhang, Wangsun; Okubayashi, Satoko; Bechtold, Thomas, Carbohydrate Polymers (2005), 59(2), 173-179.
65. A kinetic study of moisture sorption and desorption on lyocell fibers, Okubayashi, Satoko; Griesser, Ulrich J.; Bechtold, Thomas, Carbohydrate Polymers (2004), 58(3), 293-299.
66. Modification of fibrillation by textile chemical processing, Zhang, Wangsun; Okubayashi,

Satoko; Bechtold, Thomas, Lenzinger Berichte (2003), 82, 58-63.

67. Water oxidation sensitized by tin porphyrin, Wang, Sheng; Enomoto, Kazuiki; Tanizaki, Sachiko; Tabata, Isao; Hisada, Kenji; Hori, Teruo; Okubayashi, Satoko, Sen'i Gakkaishi (2003), 59(2), 48-52. Language: English, Database:
68. Disperse dyeing using amphiphilic cotelomers as auxiliaries, Shosenji, Hideto; Yoshioka, Taeko; Nomura, Shingo; Okubayashi, Satoko; Sawada, Tsuyoshi, Magic World of Textiles, Book of Proceedings of the International Textile, Clothing & Design Conference, 1st, Dubrovnik, Croatia, Oct. 6-9, 2002 (2002), 323-328.
69. Method for dyeing synthetic fibers with polyoxyethylene group-containing anthraquinones, Shosenji, Hideto; Hori, Teruo; Okubayashi, Satoko; Mizuno, Mitsuru; Sato, Hironori, Jpn. Kokai Tokkyo Koho (2002), JP 2002030583 A 20020131.
70. Effects of calix[4]resorcinearene derivatives on the electrochemical reduction of indigo., Okubayashi, Satoko; Kobayashi, Mayumi; Kobayashi, Fusako; Koide, Yoshifuki; Shosenji, Hideto, Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March 26-30, 2000 (2000), COLL-280.
71. Effects of cyclodextrin on the electrolytic reduction of an anthraquinone dye, Okubayashi, S.; Yamazaki, A.; Koide, Y.; Shosenji, H., Journal of the Society of Dyers and Colourists (1999), 115(10), 312-317.
72. Effects of chitosan on the photostabilities of fluorescent agents of a pyrazoline type, Shosenji, Hideto; Isomi, Tomo; Matsuda, Hiroaki; Okubayashi, Satoko; Koide, Yoshifumi, Kichin, Kitosan Kenkyu (1998), 4(2), 128-129.
73. Properties of amphiphilic calix[4]resoricinarenes having tetraalkyl chains as dyeing auxiliaries, Li, Bo; Okubayashi, Satoko; Koide, Yoshifumi; Shosenji, Hideto, Sen'i Gakkaishi (1998), 54(3), 142-146.
74. Application of metalloporphyrins for photo-oxidation and -reduction of water, Okubayashi, S.; Shosenji, H.; Taniguchi, I.; Hori, T., Book of Abstracts, 215th ACS National Meeting, Dallas, March 29-April 2 (1998), COLL-185.
75. A novel photoinduced hydrogen evolution system using bifunctional polymer-supported tin porphyrins, Okubayashi, Satoko; Ariga, Shigeru; Shosenji, Hideto; Hori, Teruo, Sen'i Gakkaishi (1997), 53(10), 431-437.
76. Solubilization by phosphate esters of calix[4]resorcinarenes bearing four alkyl side chains, Koide, Yoshifumi; Li, Bo; Okubayashi, Satoko; Shosenji, Hideto; Esumi, Kunio, Nihon Yukagakkaishi (1997), 46(7), 767-776.
77. Electron transfer function of porphyrin derivatives and their application (Part 3). Electron transfer function of metalloporphyrins and their fixation in polymer gel beads for constructing hydrogen evolution system, Okubayashi, Satoko; Matsumoto, Jin; Yamaguchi, Takuji; Hori,

Teruo, Sen'i Gakkaishi (1996), 52(3), 121-8.

78. Electron transfer function of polymer beads adsorbed much amount of manganese porphyrin derivatives, Okubayashi, Satoko; Matsumoto, Jin; Hori, Teruo, Sen'i Gakkaishi (1995), 51(11), 528-34.

79. The electron-transfer effect of coenzymes NAD(P)+/NAD(P)H in conjugated transmembrane oxidoreductase reactions, Nakamura, Yoshiharu; Tanaka, Akio; Okubayashi, Satoko; Tera, Hidemi; Hori, Teruo, Bulletin of the Chemical Society of Japan (1995), 68(3), 990-6.

80. Redox reaction across the membrane incorporating porphyrin-linked polymer beads, Okubayashi, Satoko; Akahori, Hirokazu; Matsumoto, Jin; Hori, Teruo, Sen'i Gakkaishi (1994), 50(11), 526-32.

81. Irradiation of cellulosic pulps: understanding its impact on cellulose oxidation, Henniges Ute; Okubayashi Satoko; Rosenau Thomas; Potthast Antje, Biomacromolecules (2012), 13(12), 4171-8.

82. Effect of electron beam irradiation on the structure and properties of electrospun PLLA and PLLA/PDLA blend nanofibers, Zhang Xiwen; Kotaki Masaya; Okubayashi Satoko; Sukigara Sachiko, Acta biomaterialia (2010), 6(1), 123-9,