

Tetsushi Taguchi

List of Publications by Year in descending order

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138
papers

3,785
citations

159573

30
h-index

155644

55
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142
all docs

142
docs citations

142
times ranked

4129
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of Alaska Pollock Gelatin Sealant for Pulmonary Air Leakage in Porcine Models. <i>Annals of Thoracic Surgery</i> , 2022, 113, 1641-1647.	1.3	4
2	Comparative study of hydrophobically modified <scp>gelatinâ€based</scp> sealant with commercially available sealants. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 909-915.	4.0	2
3	Hotmelt tissue adhesive with supramolecularly-controlled sol-gel transition for preventing postoperative abdominal adhesion. <i>Acta Biomaterialia</i> , 2022, 146, 80-93.	8.3	14
4	Prevention of postoperative adhesion with a colloidal gel based on decyl group-modified Alaska pollock gelatin microparticles. <i>Acta Biomaterialia</i> , 2022, 149, 139-149.	8.3	9
5	Evaluation of the wound healing process in rat skin using a hexanoyl groupâ€modified alkalineâ€treated gelatin porous film. <i>Oral Science International</i> , 2021, 18, 40-49.	0.7	1
6	Covering Post-Endoscopic Submucosal Dissection Ulcers in Miniature Swine with Hexanoyl (Hx:C6) Group-Modified Alkaline-Treated Gelatin Porous Film (HAG) Induces Proper Healing by Decreasing Inflammation and Fibrosis. <i>Digestion</i> , 2021, 102, 415-427.	2.3	4
7	Prevention of pulmonary air leaks using a biodegradable tissue-adhesive fiber sheet based on Alaska pollock gelatin modified with decanoyl groups. <i>Biomaterials Science</i> , 2021, 9, 861-873.	5.4	5
8	Evaluation of an octyl group-modified Alaska pollock gelatin-based surgical sealant for prevention of postoperative adhesion. <i>Acta Biomaterialia</i> , 2021, 121, 328-338.	8.3	18
9	Enhanced skin adhesive property of electrospun Î±-cyclodextrin/nonanoyl group-modified poly(vinyl) Tj ETQq1 1 0.784314 rgBT ₀ /Overlook	3.6	0
10	Improved tissue adhesion property of a hydrophobically modified Alaska pollock derived gelatin sheet by UV treatment. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 580-588.	7.5	5
11	Robust closure of post-endoscopic submucosal dissection perforation by microparticle-based wound dressing. <i>Materials Science and Engineering C</i> , 2021, 123, 111993.	7.3	11
12	Oligoethyleneimineâ€Conjugated Hyaluronic Acid Modulates Inflammatory Responses and Enhances Therapeutic Efficacy for Ulcerative Colitis. <i>Advanced Functional Materials</i> , 2021, 31, 2100548.	14.9	14
13	Enhanced skin adhesive property of Î±-cyclodextrin/nonanoyl group-modified poly(vinyl alcohol) inclusion complex film. <i>Carbohydrate Polymers</i> , 2021, 263, 117993.	10.2	6
14	Bonding a titanium plate and soft tissue interface by using an adhesive bone paste composed of Î±-tricalcium phosphate and Î±-cyclodextrin/nonanoyl group-modified poly(vinyl alcohol) inclusion complex. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 203, 111757.	5.0	4
15	A pH-driven genipin gelator to engineer decellularized extracellular matrix-based tissue adhesives. <i>Acta Biomaterialia</i> , 2021, 131, 211-221.	8.3	20
16	Fish Gelatin-Based Absorbable Dural Sealant with Anti-inflammatory Properties. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4991-4998.	5.2	4
17	A Novel Alaska Pollock Gelatin Sealant Shows Higher Bonding Strength and Nerve Regeneration Comparable to That of Fibrin Sealant in a Cadaveric Model and a Rat Model. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 742e-752e.	1.4	1
18	Development of biomaterials for constructing tumor microenvironment <i>in vitro</i> models. <i>Drug Delivery System</i> , 2021, 36, 256-264.	0.0	0

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19	Tissue-sealing and anti-adhesion properties of an in situ hydrogel of hydrophobically-modified Alaska pollock-derived gelatin. International Journal of Biological Macromolecules, 2020, 163, 2365-2373.	7.5	10
20	Self-assembled dodecyl group-modified gelatin microparticle-based hydrogels with angiogenic properties. NPG Asia Materials, 2020, 12, .	7.9	8
21	Engineering an Injectable Tough Tissue Adhesive through Nanocellulose Reinforcement. ACS Applied Bio Materials, 2020, 3, 9093-9100.	4.6	8
22	A hydrophobic gelatin fiber sheet promotes secretion of endogenous vascular endothelial growth factor and stimulates angiogenesis. RSC Advances, 2020, 10, 24800-24807.	3.6	3
23	Anti-Inflammatory and Tissue Adhesion Properties of an $\hat{1}\pm$ -Linolenic Acid-Modified Gelatin-Based In Situ Hydrogel. ACS Applied Bio Materials, 2020, 3, 6204-6213.	4.6	7
24	Adhesive Submucosal Injection Material Based on the Nonanal Group-Modified Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Materials, 2020, 3, 4370-4379.	4.6	7
25	Development of an immunosuppressive camouflage-coating platform with nanocellulose and cell membrane vesicles. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 1912-1924.	3.5	3
26	Hemostatic, Tissue-Adhesive Colloidal Wound Dressing Functionalized by UV Irradiation. ACS Applied Bio Materials, 2020, 3, 1705-1711.	4.6	13
27	Sustainedâ€immunostimulatory nanocellulose scaffold to enhance vaccine efficacy. Journal of Biomedical Materials Research - Part A, 2020, 108, 1159-1170.	4.0	16
28	Designing an anti-inflammatory and tissue-adhesive colloidal dressing for wound treatment. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110737.	5.0	19
29	A Thixotropic, Cell-Infiltrative Nanocellulose Hydrogel That Promotes in Vivo Tissue Remodeling. ACS Biomaterials Science and Engineering, 2020, 6, 946-958.	5.2	20
30	Enhanced Skin Adhesive Property of Hydrophobically Modified Poly(vinyl alcohol) Films. ACS Omega, 2020, 5, 1519-1527.	3.5	30
31	Injectable inclusion complex composed of $\hat{1}\pm$ -cyclodextrin and hydrophobically modified poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 2.7	2.7	8
32	Multifunctional Hydrophobized Microparticles for Accelerated Wound Healing after Endoscopic Submucosal Dissection. Small, 2019, 15, e1901566.	10.0	41
33	Tu1970 HIGH-ADHESION GELATIN FILMS REDUCE INFLAMMATION AND TISSUE CONTRACTION DURING GASTRIC ULCER HEALING FOLLOWING ENDOSCOPIC SUBMUCOSAL DISSECTION: A MINIATURE SWINE MODEL. Gastrointestinal Endoscopy, 2019, 89, AB636.	1.0	1
34	Growth factorâ€free, angiogenic hydrogel based on hydrophobically modified Alaska pollock gelatin. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2291-2299.	2.7	7
35	Injectable, Nonâ€Diffusible, and Preâ€Filled Bone Paste Composed of $\hat{1}\pm$ â€Tricalcium Phosphate and Hydrophobically Modified Poly(Vinyl Alcohol). Advanced Engineering Materials, 2019, 21, 1900660.	3.5	7
36	Underwater-adhesive microparticle dressing composed of hydrophobically-modified Alaska pollock gelatin for gastrointestinal tract wound healing. Acta Biomaterialia, 2019, 99, 387-396.	8.3	44

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37	Promotion of Cell Migration into a Hydrophobically modified Alaska Pollock Gelatin-Based Hydrogel. <i>Macromolecular Bioscience</i> , 2019, 19, e1900083.	4.1	8
38	Hydrophobically modified poly(vinyl alcohol)s as antithrombogenic coating materials. <i>Materials Science and Engineering C</i> , 2019, 102, 289-298.	7.3	15
39	Novel Alaska Pollock Gelatin Sealant Shows High Adhesive Quality and Conformability. <i>Annals of Thoracic Surgery</i> , 2019, 107, 1656-1662.	1.3	9
40	Design of bio-inspired adhesive surface composed of hexanoyl group-modified gelatin and silicon nanowire. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 111-119.	5.0	7
41	Osteoclast-Responsive, Injectable Bone of Bisphosphonated-Nanocellulose that Regulates Osteoclast/Osteoblast Activity for Bone Regeneration. <i>Biomacromolecules</i> , 2019, 20, 1385-1393.	5.4	28
42	Hemostatic properties of in situ gels composed of hydrophobically modified biopolymers. <i>Journal of Biomaterials Applications</i> , 2018, 33, 315-323.	2.4	12
43	Biocompatible nanostructured solid adhesives for biological soft tissues. <i>Acta Biomaterialia</i> , 2017, 57, 404-413.	8.3	25
44	Examination of the early wound healing process under different wound dressing conditions. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 123, 310-319.	0.4	18
45	Repair of segmental radial defects in dogs using tailor-made titanium mesh cages with plates combined with calcium phosphate granules and basic fibroblast growth factor-binding ion complex gel. <i>Journal of Artificial Organs</i> , 2017, 20, 91-98.	0.9	4
46	Enhanced Sealing by Hydrophobic Modification of Alaska Pollock-Derived Gelatin-Based Surgical Sealants for the Treatment of Pulmonary Air Leaks. <i>Macromolecular Bioscience</i> , 2017, 17, 1600349.	4.1	41
47	Robust Sealing of Blood Vessels with Cholesteryl Group-Modified, Alaska Pollock-Derived Gelatin-Based Biodegradable Sealant Under Wet Conditions. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 128-134.	1.1	26
48	Effect of alkyl chain length on the interfacial strength of surgical sealants composed of hydrophobically-modified Alaska-pollock-derived gelatins and poly(ethylene)glycol-based four-armed crosslinker. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 212-220.	5.0	27
49	Binding of Lipopolysaccharide and Cholesterol-Modified Gelatin on Supported Lipid Bilayers: Effect of Bilayer Area Confinement and Bilayer Edge Tension. <i>Langmuir</i> , 2016, 32, 1250-1258.	3.5	7
50	Enhanced angiogenesis of growth factor-free porous biodegradable adhesive made with hexanoyl group-modified gelatin. <i>Biomaterials</i> , 2015, 63, 14-23.	11.4	32
51	Induction of Intermembrane Adhesion by Incorporation of Synthetic Adhesive Molecules into Cell Membranes. <i>Langmuir</i> , 2015, 31, 1988-1998.	3.5	6
52	Enhanced ALP activity of MG63 cells cultured on hydroxyapatite-poly(ethylene glycol) hydrogel composites prepared using EDTA-OH. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 015025.	3.3	13
53	Nickel-Free High-Nitrogen Stainless Steel. <i>Springer Series in Biomaterials Science and Engineering</i> , 2015, , 125-156.	1.0	6
54	In vitro and in vivo biocompatibility and corrosion behaviour of a bioabsorbable magnesium alloy coated with octacalcium phosphate and hydroxyapatite. <i>Acta Biomaterialia</i> , 2015, 11, 520-530.	8.3	173

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55	Enhanced Bonding Strength of Hydrophobically Modified Gelatin Films on Wet Blood Vessels. International Journal of Molecular Sciences, 2014, 15, 2142-2156.	4.1	18
56	Prevention of catheter infection using a biodegradable tissue adhesive composed of human serum albumin and disuccinimidyl tartrate. Journal of Bioactive and Compatible Polymers, 2014, 29, 284-297.	2.1	3
57	Crosslinking Liposomes/Cells Using Cholesteryl Group-Modified Tilapia Gelatin. International Journal of Molecular Sciences, 2014, 15, 13123-13134.	4.1	12
58	Fabrication of reactive poly(vinyl alcohol) membranes for prevention of bone cement leakage. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 1786-1791.	3.4	4
59	Effects of ultraviolet irradiation on bonding strength between Co-Cr alloy and citric acid-crosslinked gelatin matrix. Journal of Biomaterials Applications, 2014, 28, 880-886.	2.4	3
60	Bonding behavior of hydrophobically modified gelatin films on the intestinal surface. Journal of Bioactive and Compatible Polymers, 2014, 29, 560-571.	2.1	9
61	Quantitative biocompatibility evaluation of nickel-free high-nitrogen stainless steel in vitro/in vivo. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 68-72.	3.4	11
62	An in vivo murine model for screening cranial bone regenerative materials: testing of a novel synthetic collagen gel. Journal of Materials Science: Materials in Medicine, 2014, 25, 1531-1538.	3.6	1
63	Bone Regeneration by the Combined Use of Tetrapod-Shaped Calcium Phosphate Granules with Basic Fibroblast Growth Factor-Binding Ion Complex Gel in Canine Segmental Radial Defects. Journal of Veterinary Medical Science, 2014, 76, 955-961.	0.9	5
64	Architecture of Biocompatible Interface for the Prevention of Catheter Infection. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2014, 65, 247-250.	0.2	0
65	Promotion of initial cell adhesion on trisuccinimidyl citrate-modified nickel-free high-nitrogen stainless steel. Journal of Materials Science: Materials in Medicine, 2013, 24, 951-958.	3.6	0
66	Poly(L-lactic acid) and citric acid-crosslinked gelatin composite matrices as a drug-eluting stent coating material with endothelialization, antithrombogenic, and drug release properties. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2049-2057.	4.0	9
67	Novel pancreatoenteric reconstruction using a bioabsorbable polymer sheet and biocompatible bond. Journal of Surgical Research, 2013, 183, 1-7.	1.6	3
68	Repair of rabbit segmental femoral defects by using a combination of tetrapod-shaped calcium phosphate granules and basic fibroblast growth factor-binding ion complex gel. Biomaterials, 2013, 34, 9056-9062.	11.4	11
69	Development of amphiphilic, enzymatically-degradable PEG-peptide conjugate as cell crosslinker for spheroid formation. Colloids and Surfaces B: Biointerfaces, 2013, 101, 223-227.	5.0	12
70	From biomedical-engineering research to clinical application and industrialization. Science and Technology of Advanced Materials, 2012, 13, 060301.	6.1	1
71	Enhanced bonding strength of a novel tissue adhesive consisting of cholesteryl group-modified gelatin and disuccinimidyl tartarate. Journal of Bioactive and Compatible Polymers, 2012, 27, 31-44.	2.1	17
72	In vitro evaluation of tissue adhesives composed of hydrophobically modified gelatins and disuccinimidyl tartrate. Science and Technology of Advanced Materials, 2012, 13, 064212.	6.1	11

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73	Tamibarotene-loaded citric acid-crosslinked alkali-treated collagen matrix as a coating material for a drug-eluting stent. Science and Technology of Advanced Materials, 2012, 13, 064208.	6.1	1
74	Nickel-free stainless steel avoids neointima formation following coronary stent implantation. Science and Technology of Advanced Materials, 2012, 13, 064218.	6.1	10
75	Effectiveness and biocompatibility of a novel biological adhesive application for repair of meniscal tear on the avascular zone. Science and Technology of Advanced Materials, 2012, 13, 064219.	6.1	6
76	Preparation and biological evaluation of hydroxyapatite-coated nickel-free high-nitrogen stainless steel. Science and Technology of Advanced Materials, 2012, 13, 064213.	6.1	6
77	Biodegradable organic acid-crosslinked alkali-treated gelatins with anti-thrombogenic and endothelialization properties. Science and Technology of Advanced Materials, 2012, 13, 064215.	6.1	1
78	Spectroscopic studies on interactions between cholesterol-end capped polyethylene glycol and liposome. Colloids and Surfaces B: Biointerfaces, 2012, 97, 248-253.	5.0	14
79	Adhesive properties and biocompatibility of tissue adhesives composed of various hydrophobically modified gelatins and disuccinimidyl tartrate. Journal of Bioactive and Compatible Polymers, 2012, 27, 481-498.	2.1	25
80	An Antithrombogenic Citric Acid-Crosslinked Gelatin with Endothelialization Activity. Advanced Healthcare Materials, 2012, 1, 573-581.	7.6	21
81	Enhanced tissue penetration-induced high bonding strength of a novel tissue adhesive composed of cholesteryl group-modified gelatin and disuccinimidyl tartarate. Colloids and Surfaces B: Biointerfaces, 2012, 91, 48-56.	5.0	39
82	The effect of VEGF-immobilized nickel-free high-nitrogen stainless steel on viability and proliferation of vascular endothelial cells. Colloids and Surfaces B: Biointerfaces, 2012, 92, 1-8.	5.0	24
83	Controlling Adhesiveness of Material-tissue Interface for the Prevention of Catheter Infection. Journal of the Adhesion Society of Japan, 2011, 47, 278-282.	0.0	0
84	UV irradiation enhances the bonding strength between citric acid-crosslinked gelatin and stainless steel. Colloids and Surfaces B: Biointerfaces, 2011, 88, 260-264.	5.0	10
85	Induced albumin secretion from HepG2 spheroids prepared using poly(ethylene glycol) derivative with oleyl groups. Journal of Materials Science: Materials in Medicine, 2011, 22, 2357-2363.	3.6	13
86	Quick self-healing and thermo-reversible liposome gel. Colloids and Surfaces B: Biointerfaces, 2011, 82, 196-202.	5.0	65
87	Unusual in vitro degradation behavior of physically cross-linked liposome gel network. Polymer Degradation and Stability, 2011, 96, 1111-1117.	5.8	8
88	Enhanced Neovascular Formation in a Novel Hydrogel Matrix Consisting of Citric Acid and Collagen. Annals of Vascular Diseases, 2011, 4, 196-203.	0.5	1
89	Assembly of cells and vesicles for organ engineering. Science and Technology of Advanced Materials, 2011, 12, 064703.	6.1	12
90	Improvement in wound healing by a novel synthetic collagen-gel dressing in genetically diabetic mice. Asian Journal of Oral and Maxillofacial Surgery, 2010, 22, 61-67.	0.1	12

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91	Unusual degradation behavior of citric acid-crosslinked gelatin in vitro and in vivo. Polymer Degradation and Stability, 2010, 95, 2088-2092.	5.8	16
92	Biodegradable Adhesives Composed of Human Serum Albumin and Organic Acid-based Crosslinkers with Active Ester Groups. Journal of Bioactive and Compatible Polymers, 2009, 24, 546-559.	2.1	30
93	<i>In vivo</i> evaluation of bonding ability and biocompatibility of a novel biodegradable glue consisting of tartaric acid derivative and human serum albumin. Journal of Biomedical Materials Research - Part A, 2009, 90A, 543-548.	4.0	14
94	The growth of a vascular network inside a collagenâ€“citric acid derivative hydrogel in rats. Biomaterials, 2009, 30, 3580-3587.	11.4	23
95	Enhanced insulin secretion of physically crosslinked pancreatic Î²-cells by using a poly(ethylene glycol) derivative with oleyl groups. Acta Biomaterialia, 2009, 5, 2945-2952.	8.3	35
96	Characterization of alkali-treated collagen gels prepared by different crosslinkers. Journal of Materials Science: Materials in Medicine, 2008, 19, 1297-1305.	3.6	54
97	Repair of full-thickness articular cartilage defects using injectable type II collagen gel embedded with cultured chondrocytes in a rabbit model. Journal of Orthopaedic Science, 2008, 13, 225-232.	1.1	84
98	Development of Biocompatible Glues for Minimum Invasive Therapy. Key Engineering Materials, 2007, 330-332, 1339-1342.	0.4	2
99	Development of A Novel Glue Consisting of Naturally-Derived Biomolecules: Citric Acid and Human Serum Albumin. Journal of Nanoscience and Nanotechnology, 2007, 7, 742-747.	0.9	23
100	Development of a Novel Tissue Adhesive Consisting of Carboxymethylated Chitosan and Citric Acid Derivative with Active Ester Groups. Journal of the Adhesion Society of Japan, 2007, 43, 307-312.	0.0	1
101	An Attempt to Construct the Stroma of Cornea Using Primary Cultured Corneal Cells. Journal of Nanoscience and Nanotechnology, 2007, 7, 748-751.	0.9	7
102	Synthesis and Evaluation of PEG Derivatives for Crosslinking Cells. Macromolecular Symposia, 2007, 249-250, 159-161.	0.7	2
103	Injectable in situ forming drug delivery system for cancer chemotherapy using a novel tissue adhesive: Characterization and in vitro evaluation. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 383-390.	4.3	42
104	Antitumor effect of an injectable in-situ forming drug delivery system composed of a novel tissue adhesive containing doxorubicin hydrochloride. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 676-681.	4.3	22
105	Unusual Cell Adhesion and Antithrombogenic Behavior of Citric Acid-Cross-Linked Collagen Matrices. Biomacromolecules, 2007, 8, 1992-1998.	5.4	25
106	Amniotic membrane immobilized poly(vinyl alcohol) hybrid polymer as an artificial cornea scaffold that supports a stratified and differentiated corneal epithelium. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 81B, 201-206.	3.4	48
107	pH-responsive swelling behavior of collagen gels prepared by novel crosslinkers based on naturally derived di- or tricarboxylic acids. Acta Biomaterialia, 2007, 3, 89-94.	8.3	50
108	Biocompatible high-strength glue consisting of citric acid derivative and collagen. Materials Science and Engineering C, 2006, 26, 9-13.	7.3	40

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109	Cartilaginous tissue formation from bone marrow cells using rotating wall vessel (RWV) bioreactor. <i>Biotechnology and Bioengineering</i> , 2006, 95, 1003-1008.	3.3	73
110	Collagen-immobilized poly (vinyl alcohol) as an artificial cornea scaffold that supports a stratified corneal epithelium. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 76B, 56-63.	3.4	85
111	Encapsulation of chondrocytes in injectable alkali-treated collagen gels prepared using poly(ethylene Terephthalate) (PET) / Overlaid	11.4	84
112	The effect of calcium ion concentration on osteoblast viability, proliferation and differentiation in monolayer and 3D culture. <i>Biomaterials</i> , 2005, 26, 4847-4855.	11.4	638
113	Study on the hydrolytic degradation of poly(L,L'-malic acid) by direct polycondensation. <i>Materials Science and Engineering C</i> , 2004, 24, 821-825.	7.3	10
114	Bonding of soft tissues using a novel tissue adhesive consisting of a citric acid derivative and collagen. <i>Materials Science and Engineering C</i> , 2004, 24, 775-780.	7.3	61
115	Rheological evaluation of gelatin gels prepared with a citric acid derivative as a novel cross-linker. <i>Materials Science and Engineering C</i> , 2004, 24, 787-790.	7.3	21
116	Synthesis of activated poly(L,L'-malic acid) using N-hydroxysuccinimide and its gelation with collagen as biomaterials. <i>Materials Science and Engineering C</i> , 2004, 24, 815-819.	7.3	17
117	Preparation and characterization of osteochondral scaffold. <i>Materials Science and Engineering C</i> , 2004, 24, 881-885.	7.3	13
118	Collagen immobilized PVA hydrogel-hydroxyapatite composites prepared by kneading methods as a material for peripheral cuff of artificial cornea. <i>Materials Science and Engineering C</i> , 2004, 24, 729-735.	7.3	58
119	Physicochemical properties of gelatin gels prepared using citric acid derivative. <i>Materials Science and Engineering C</i> , 2004, 24, 781-785.	7.3	48
120	Determination of end-group structures and by-products of synthesis of poly(L,L'-malic acid) by direct polycondensation. <i>Polymer Degradation and Stability</i> , 2004, 84, 151-157.	5.8	11
121	Improved Synthesis with High Yield and Increased Molecular Weight of Poly(L,L'-malic acid) by Direct Polycondensation. <i>Biomacromolecules</i> , 2004, 5, 169-174.	5.4	50
122	Physicochemical properties of high-molecular-weight poly(L,L'-malic acid) synthesized by direct polycondensation. <i>Polymer Bulletin</i> , 2003, 50, 69-75.	3.3	14
123	Synthesis of high molecular weight poly(L,L'-malic acid) for biomedical use by direct polycondensation. <i>Polymer Degradation and Stability</i> , 2003, 81, 525-530.	5.8	29
124	An improved method to prepare hyaluronic acid and type II collagen composite matrices. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 61, 330-336.	3.1	55
125	Fabrication of Polymer-Apatite Composites by Using a Novel Alternate Soaking Process.. <i>Kobunshi Ronbunshu</i> , 2000, 57, 324-335.	0.2	8
126	In Vitro Calcification Model—Part 1: Apatite Formation on Segmented Polyurethane Containing Silicone Using an Alternate Soaking Process. <i>Journal of Bioactive and Compatible Polymers</i> , 2000, 15, 72-84.	2.1	0

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127	In Vitro Calcification Model (2): Apatite Formation on Segmented Polyurethane Thin Films by Using an Alternate Soaking Process: The Effect of Adsorbed Serum Proteins on Calcification. Journal of Bioactive and Compatible Polymers, 2000, 15, 230-244.	2.1	1
128	Preparation and characterization of apatite deposited on silk fabric using an alternate soaking process. , 2000, 50, 344-352.		100
129	Apatite coating on hydrophilic polymer-grafted poly(ethylene) films using an alternate soaking process. Biomaterials, 2000, 22, 53-58.	11.4	103
130	Immobilization of Human Vascular Endothelial Growth Factor (VEGF165) onto Biomaterials: An Evaluation of the Biological Activity of Immobilized VEGF165. Journal of Bioactive and Compatible Polymers, 2000, 15, 309-320.	2.1	22
131	Immobilization of Human Vascular Endothelial Growth Factor (VEGF165) onto Biomaterials: An Evaluation of the Biological Activity of Immobilized VEGF165. Journal of Bioactive and Compatible Polymers, 2000, 15, 309-320.	2.1	16
132	Ca-adsorption and apatite deposition on silk fabrics modified with phosphate polymer chains. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 787-793.	3.5	37
133	A study on hydroxyapatite formation on/in the hydroxyl groups-bearing nonionic hydrogels. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 19-32.	3.5	38
134	Apatite formation on/in hydrogel matrices using an alternate soaking process: II. Effect of swelling ratios of poly(vinyl alcohol) hydrogel matrices on apatite formation. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 331-339.	3.5	99
135	Apatite formation on/in hydrogel matrices using an alternate soaking process (III) : Effect of physico-chemical factors on apatite formation on/in poly(vinyl alcohol) hydrogel matrices. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 795-804.	3.5	66
136	Preparation of a novel functional hydrogel consisting of sulfated glucoside-bearing polymer: Activation of basic fibroblast growth factor. , 1998, 41, 386-391.		32
137	Hydroxyapatite Formation on/in Poly(vinyl alcohol) Hydrogel Matrices Using a Novel Alternate Soaking Process. Chemistry Letters, 1998, 27, 711-712.	1.3	246
138	Formation of Hydroxyapatite on Nickel-Free High-Nitrogen Stainless Steel by Chemical Solution Deposition Method in Neutral/Alkaline Solution. Key Engineering Materials, 0, 529-530, 237-242.	0.4	0