

# Akio Kishida

## List of Publications by Year in descending order

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179  
papers

4,912  
citations

109137

35  
h-index

106150

65  
g-index

184  
all docs

184  
docs citations

184  
times ranked

4020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graft copolymerization of acrylamide onto a polyethylene surface pretreated with glow discharge. <i>Macromolecules</i> , 1986, 19, 1804-1808.	2.2	497
2	Hydroxyapatite Formation on/in Poly(vinyl alcohol) Hydrogel Matrices Using a Novel Alternate Soaking Process. <i>Chemistry Letters</i> , 1998, 27, 711-712.	0.7	246
3	The use of high-hydrostatic pressure treatment to decellularize blood vessels. <i>Biomaterials</i> , 2010, 31, 3590-3595.	5.7	224
4	Preparation and characterization of decellularized cornea using high-hydrostatic pressurization for corneal tissue engineering. <i>Biomaterials</i> , 2010, 31, 3941-3948.	5.7	221
5	Protein Repellency of Well-Defined, Concentrated Poly(2-hydroxyethyl methacrylate) Brushes by the Size-Exclusion Effect. <i>Macromolecules</i> , 2006, 39, 2284-2290.	2.2	201
6	Oxidation of polyethylene surface by corona discharge and the subsequent graft polymerization. <i>Journal of Polymer Science Part A</i> , 1988, 26, 3309-3322.	2.5	123
7	Cell behaviour on polymer surfaces grafted with non-ionic and ionic monomers. <i>Biomaterials</i> , 1991, 12, 786-792.	5.7	118
8	Controlling Coupling Reaction of EDC and NHS for Preparation of Collagen Gels Using Ethanol/Water Co-solvents. <i>Macromolecular Bioscience</i> , 2008, 8, 32-37.	2.1	116
9	Application of Detergents or High Hydrostatic Pressure as Decellularization Processes in Uterine Tissues and Their Subsequent Effects on In Vivo Uterine Regeneration in Murine Models. <i>PLoS ONE</i> , 2014, 9, e103201.	1.1	112
10	Fabrication of High-Density Polymer Brush on Polymer Substrate by Surface-Initiated Living Radical Polymerization. <i>Macromolecules</i> , 2005, 38, 4604-4610.	2.2	110
11	Polymyxin B binds to anandamide and inhibits its cytotoxic effect. <i>FEBS Letters</i> , 2000, 470, 151-155.	1.3	102
12	Preparation and characterization of apatite deposited on silk fabric using an alternate soaking process. , 2000, 50, 344-352.		100
13	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. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999, 10, 331-339.	1.9	99
14	The effect of decellularized bone/bone marrow produced by high-hydrostatic pressurization on the osteogenic differentiation of mesenchymal stem cells. <i>Biomaterials</i> , 2011, 32, 7060-7067.	5.7	96
15	Gene targeting of the transcription factor Mohawk in rats causes heterotopic ossification of Achilles tendon via failed tenogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7840-7845.	3.3	93
16	Oral peptide delivery using nanoparticles composed of novel graft copolymers having hydrophobic backbone and hydrophilic branches. <i>International Journal of Pharmaceutics</i> , 1997, 149, 93-106.	2.6	92
17	In vivo evaluation of a novel scaffold for artificial corneas prepared by using ultrahigh hydrostatic pressure to decellularize porcine corneas. <i>Molecular Vision</i> , 2009, 15, 2022-8.	1.1	88
18	Synthesis and functionalities of poly(N-vinylalkylamide). V. Control of a lower critical solution temperature of poly(N-vinylalkylamide). , 1997, 35, 3087-3094.		87

#	ARTICLE	IF	CITATIONS
19	Graft copolymers having hydrophobic backbone and hydrophilic branches. XI. Preparation and thermosensitive properties of polystyrene microspheres having poly (N-isopropylacrylamide) branches on their surfaces. <i>Journal of Polymer Science Part A</i> , 1996, 34, 2213-2220.	2.5	85
20	Synthesis and functionalities of poly (N-vinylalkylamide). IV. Synthesis and free radical polymerization of N-vinylisobutyramide and thermosensitive properties of the polymer. <i>Journal of Polymer Science Part A</i> , 1997, 35, 1763-1768.	2.5	75
21	Synthesis of poly(N-vinylisobutyramide) from poly(N-vinylacetamide) and its thermosensitive property. <i>Journal of Polymer Science Part A</i> , 1996, 34, 301-303.	2.5	67
22	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. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999, 10, 795-804.	1.9	66
23	Interactions of poly(ethylene glycol)-grafted cellulose membranes with proteins and platelets. <i>Biomaterials</i> , 1992, 13, 113-118.	5.7	65
24	Overview of the Development, Applications, and Future Perspectives of Decellularized Tissues and Organs. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1236-1244.	2.6	63
25	Synthesis and characterization of novel biodegradable polymers composed of hydroxycinnamic acid and D,L-lactic acid. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2357-2364.	1.3	62
26	Graft copolymers having hydrophobic backbone and hydrophilic branches. XXIII. Particle size control of poly(ethylene glycol)-coated polystyrene nanoparticles prepared by macromonomer method. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2155-2166.	2.5	52
27	Synthesis and Anticoagulant Activity of Sulfated Glucoside-Bearing Polymer. <i>Bioconjugate Chemistry</i> , 1996, 7, 393-395.	1.8	50
28	Novel Functional Biodegradable Polymer: Synthesis and Anticoagulant Activity of Poly( $\beta$ -Glutamic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	50
29	Porcine radial artery decellularization by high hydrostatic pressure. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, E144-E151.	1.3	50
30	Graft copolymers having hydrophobic backbone and hydrophilic branches. X. Preparation and properties of water-dispersible polyanionic microspheres having poly(methacrylic acid) branches on their surfaces. <i>Journal of Polymer Science Part A</i> , 1995, 33, 1219-1225.	2.5	48
31	Absorption enhancement of orally administered salmon calcitonin by polystyrene nanoparticles having poly(N-isopropylacrylamide) branches on their surfaces. <i>International Journal of Pharmaceutics</i> , 1997, 158, 69-78.	2.6	48
32	Ultrastructural analysis of the decellularized cornea after interlamellar keratoplasty and microkeratome-assisted anterior lamellar keratoplasty in a rabbit model. <i>Scientific Reports</i> , 2016, 6, 27734.	1.6	41
33	Stabilization of salmon calcitonin by polystyrene nanoparticles having surface hydrophilic polymeric chains, against enzymatic degradation. <i>International Journal of Pharmaceutics</i> , 1997, 159, 181-189.	2.6	40
34	Effect of treatment temperature on collagen structures of the decellularized carotid artery using high hydrostatic pressure. <i>Journal of Artificial Organs</i> , 2011, 14, 223-231.	0.4	39
35	Novel Functional Polymers: Poly(dimethylsiloxane)-Polyamide Multiblock Copolymer. 8.1 Surface Studies of Aramid-Silicone Resin by Means of XPS, Static SIMS, and TEM. <i>Macromolecules</i> , 1997, 30, 4421-4428.	2.2	38
36	A study on hydroxyapatite formation on/in the hydroxyl groups-bearing nonionic hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999, 10, 19-32.	1.9	38

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37	Ca-adsorption and apatite deposition on silk fabrics modified with phosphate polymer chains. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 787-793.	1.9	37
38	Corneal Regeneration by Deep Anterior Lamellar Keratoplasty (DALK) Using Decellularized Corneal Matrix. PLoS ONE, 2015, 10, e0131989.	1.1	35
39	Evaluation of small-diameter vascular grafts reconstructed from decellularized aorta sheets. Journal of Biomedical Materials Research - Part A, 2017, 105, 1293-1298.	2.1	34
40	Decellularized porcine aortic intima-media as a potential cardiovascular biomaterial. Interactive Cardiovascular and Thoracic Surgery, 2015, 21, 189-194.	0.5	33
41	Preparation of a novel functional hydrogel consisting of sulfated glucoside-bearing polymer: Activation of basic fibroblast growth factor. , 1998, 41, 386-391.		32
42	Novel functional biodegradable polymer. III. The construction of poly( $\beta$ -glutamic acid)-sulfonate hydrogel with fibroblast growth factor-2 activity. Journal of Biomedical Materials Research - Part A, 2005, 73A, 485-491.	2.1	32
43	Novel Functional Biodegradable Polymer II: Fibroblast Growth Factor-2 Activities of Poly( $\beta$ -glutamic) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	29
44	Size-Exclusion Effect and Protein Repellency of Concentrated Polymer Brushes Prepared by Surface-Initiated Living Radical Polymerization. Macromolecular Symposia, 2007, 248, 189-198.	0.4	28
45	Title is missing!. Angewandte Makromolekulare Chemie, 1993, 206, 69-75.	0.3	27
46	Novel functional polymers: Poly(dimethylsiloxane)-polyamide multiblock copolymer. III. Synthesis and surface properties of disiloxane-aromatic polyamide multiblock copolymer. Journal of Applied Polymer Science, 1996, 59, 1059-1065.	1.3	27
47	Surface modification of synthetic fiber nonwoven fabrics with poly(acrylic acid) chains prepared by corona discharge induced grafting. Angewandte Makromolekulare Chemie, 1999, 266, 56-62.	0.3	27
48	Synthesis and functionalities of poly(N-vinylalkylamide). VI. A novel thermosensitive hydrogel crosslinked poly(N-vinylisobutyramide). Journal of Polymer Science Part A, 1997, 35, 3377-3384.	2.5	26
49	Improved alternate deposition of biodegradable naturally occurring polymers onto a quartz crystal microbalance. Journal of Polymer Science Part A, 1999, 37, 801-804.	2.5	26
50	Nanosphere formation in copolymerization of methyl methacrylate with poly(ethylene glycol) macromonomers. Journal of Polymer Science Part A, 2000, 38, 1811-1817.	2.5	25
51	A novel biomaterial: Poly(dimethylsiloxane)-polyamide multiblock copolymer I. Synthesis and evaluation of blood compatibility. Journal of Biomaterials Science, Polymer Edition, 1994, 5, 89-98.	1.9	24
52	Immobilization of Human Thrombomodulin onto Biomaterials. ASAIO Journal, 1994, 40, M840-M845.	0.9	24
53	Comparison of High-Hydrostatic-Pressure Decellularized Versus Freeze-Thawed Porcine Menisci. Journal of Orthopaedic Research, 2019, 37, 2466-2475.	1.2	24
54	Suppression of Cell Adhesion on Well-defined Concentrated Polymer Brushes of Hydrophilic Polymers. Chemistry Letters, 2010, 39, 142-143.	0.7	23

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55	Novel functional polymers: Poly(dimethylsiloxane)-polyamide multiblock copolymer. IV. Gas permeability and thermomechanical properties of aramid-silicone resins. <i>Journal of Applied Polymer Science</i> , 1996, 59, 1067-1071.	1.3	21
56	Fabrication of a heterostructural fibrillated collagen matrix for the regeneration of soft tissue function. <i>Soft Matter</i> , 2012, 8, 472-480.	1.2	20
57	Extracellular Matrix Induces Periodontal Ligament Reconstruction In Vivo. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3277.	1.8	20
58	A hybrid small-diameter tube fabricated from decellularized aortic intima-media and electrospun fiber for artificial small-diameter blood vessel. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1064-1070.	2.1	20
59	Base-specific separation of oligodeoxynucleotides by capillary affinity gel electrophoresis. <i>Electrophoresis</i> , 1998, 19, 433-436.	1.3	19
60	Surface grafting of poly(vinylamine) onto poly(ethylene) film by corona discharge-induced grafting. <i>Journal of Applied Polymer Science</i> , 1999, 72, 1583-1587.	1.3	19
61	Effect of decellularized tissue powders on a rat model of acute myocardial infarction. <i>Materials Science and Engineering C</i> , 2015, 56, 494-500.	3.8	19
62	Elastic Modulus of ECM Hydrogels Derived from Decellularized Tissue Affects Capillary Network Formation in Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6304.	1.8	19
63	Thermal denaturation behavior of collagen fibrils in wet and dry environment. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 538-545.	1.6	18
64	Evaluation of biological responses to polymeric biomaterials by RT-PCR analysis II: Study of HSP 70 mRNA expression. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1997, 8, 809-814.	1.9	17
65	Novel functional polymers: Poly(dimethylsiloxane)-polyamide multiblock copolymer V*. The interaction between biomolecules and the surface of aramid-silicone resins. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1996, 7, 871-880.	1.9	16
66	Amarastelline-A: A Fluorescent Alkaloid from <i>Quassia amara</i> and Its Properties in Living Cells. <i>ChemPlusChem</i> , 2012, 77, 427-431.	1.3	16
67	Alternating gene expression in fibroblasts adhering to multilayers of chitosan and dextran sulfate. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67A, 1060-1063.	3.0	15
68	Induction of <i>in Vivo</i> Ectopic Hematopoiesis by a Three-Dimensional Structured Extracellular Matrix Derived from Decellularized Cancellous Bone. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5669-5680.	2.6	15
69	Title is missing!. <i>Angewandte Makromolekulare Chemie</i> , 1994, 220, 89-97.	0.3	14
70	Thermosensitive surface properties of polyethylene film with poly(N-isopropylacrylamide) chains prepared by corona discharge induced grafting. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1773-1779.	1.3	14
71	Synthesis and functionality of poly(N-vinylalkylamide). X. A novel aqueous two-phase system based on thermosensitive polymers and dextran. <i>Journal of Applied Polymer Science</i> , 1999, 73, 2545-2548.	1.3	14
72	Preparation and Recellularization of Tissue Engineered Bioscaffold for Heart Valve Replacement. , 2005, , 83-94.		14

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73	Pressure-induced molecular assembly of hydrogen-bonded polymers. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 743-750.	2.4	13
74	Relation between the tissue structure and protein permeability of decellularized porcine aorta. Materials Science and Engineering C, 2014, 43, 465-471.	3.8	13
75	Reconstruction of small diameter arteries using decellularized vascular scaffolds. Journal of Medical and Dental Sciences, 2014, 61, 33-40.	0.4	13
76	Evaluation of the Selective Binding Ability of Oligodeoxynucleotides to Poly(9-vinyladenine) Using Capillary Affinity Gel Electrophoresis.. Analytical Sciences, 1994, 10, 967-969.	0.8	12
77	Hydrogels for Biomedical and Pharmaceutical Applications. , 2001, , .		12
78	Decellularized dermis-polymer complex provides a platform for soft-to-hard tissue interfaces. Materials Science and Engineering C, 2014, 35, 354-362.	3.8	12
79	Journal of Artificial Organs 2005: the year in review. Journal of Artificial Organs, 2006, 9, 1-7.	0.4	11
80	In Vivo Characterization of a Decellularized Dermis-Polymer Complex for Use in Percutaneous Devices. Artificial Organs, 2014, 38, 1060-1065.	1.0	11
81	Histological structure affects recellularization of decellularized arteries. Materials Science and Engineering C, 2017, 70, 450-455.	3.8	11
82	Re-epithelialization and remodeling of decellularized corneal matrix in a rabbit corneal epithelial wound model. Materials Science and Engineering C, 2019, 102, 238-246.	3.8	11
83	<i>In vitro</i> evaluation of surface biological properties of decellularized aorta for cardiovascular use. Journal of Materials Chemistry B, 2020, 8, 10977-10989.	2.9	11
84	Novel Functional Polymers: Poly(dimethylsiloxane)-Polyamide Multiblock Copolymer VI. A Transmission Electron Microscopic Study on Microphase-Separated Structure in Aramid-Silicone Resin. Polymer Journal, 1997, 29, 201-203.	1.3	10
85	Novel functional polymers: Poly(dimethylsiloxane)-polyamide multiblock copolymer. VII. Oxygen permeability of aramid-silicone membranes in a gas-membrane-liquid system. Journal of Applied Polymer Science, 1997, 64, 1153-1159.	1.3	10
86	Surface modification of poly(ethylene terephthalate) film by coating with poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50,222 Td (g	1.3	10
87	Novel functional polymers: Poly(dimethylsiloxane)-polyamide multiblock copolymer. IX. Surface properties of blend film of aramid-silicone resins with aramid. Journal of Applied Polymer Science, 2000, 78, 2198-2205.	1.3	10
88	A Basic Study of Osteogenesis between Decellularized Cortical Bone Pieces for Bone Graft Construction. Advanced Biomedical Engineering, 2013, 2, 95-100.	0.4	10
89	The mechanism of anticoagulant activity of a novel heparinoid sulfated glucoside-bearing polymer. Journal of Biomaterials Science, Polymer Edition, 1997, 8, 545-553.	1.9	9
90	Synthesis and functionalities of poly(N-vinylalkylamide). VII. A novel aqueous two-phase systems based on poly(N-vinylacetamide) and dextran. Journal of Applied Polymer Science, 1998, 67, 255-258.	1.3	9

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91	Release behavior from hydrogen-bonded polymer gels prepared by pressurization. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2725-2729.	1.3	9
92	In-situ polymerization of PMMA inside decellularized dermis using UV photopolymerization. <i>European Polymer Journal</i> , 2014, 60, 163-171.	2.6	9
93	Recellularization of decellularized cancellous bone scaffolds using low-temperature cell seeding. <i>Tissue and Cell</i> , 2020, 66, 101385.	1.0	9
94	Characterization of Engineering Plastics Plasticized Using Supercritical CO <sub>2</sub> . <i>Polymers</i> , 2020, 12, 134.	2.0	9
95	In vivo recellularization of xenogeneic vascular grafts decellularized with high hydrostatic pressure method in a porcine carotid arterial interpose model. <i>PLoS ONE</i> , 2021, 16, e0254160.	1.1	9
96	Generation of a tendon-like tissue from human iPS cells. <i>Journal of Tissue Engineering</i> , 2022, 13, 204173142210740.	2.3	9
97	Surface characterization of poly(styrene-co-fluoroalkylfumarate): XPS and contact angle measurement study. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1049-1054.	1.3	8
98	Effect of luminal surface structure of decellularized aorta on thrombus formation and cell behavior. <i>PLoS ONE</i> , 2021, 16, e0246221.	1.1	8
99	Internal radial perfusion bioreactor promotes decellularization and recellularization of rat uterine tissue. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 83-88.	1.1	8
100	Water absorption by decellularized dermis. <i>Heliyon</i> , 2018, 4, e00600.	1.4	7
101	Surface Topography of PDMS Replica Transferred from Various Decellularized Aortic Lumens Affects Cellular Orientation. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5721-5726.	2.6	7
102	A fibrin-coated pericardial extracellular matrix prevented heart adhesion in a rat model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1088-1094.	1.6	7
103	Preparation and anticoagulant surface properties of glucoside- or sulfated glucoside-bearing polymer grafted poly(ethylene) films. <i>Macromolecular Symposia</i> , 1997, 120, 159-167.	0.4	6
104	Novel surface modification of cellulose film by heat-set finishing method using poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.3	6
105	Study of cellular responses to polymeric biomaterials using the differential display method. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 333-340.	1.9	6
106	Adhesion between polymer surface modified by graft polymerization and tissue during surgery using an ultrasonically activated scalpel device. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	6
107	Preparation Fibrillized Collagen-Glycosaminoglycan Complex Matrix Using Fibrillogenesis. <i>Macromolecular Symposia</i> , 2015, 358, 95-105.	0.4	6
108	Capture and release of cells using a temperature-responsive surface that immobilizes an antibody through DNA duplex formation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1172-1182.	1.9	6

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109	HSP 47 and collagen mRNA expression in L929 cells adhered to lipid films. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 149-156.	1.9	5
110	Human Mesenchymal Stem Cell Behavior on Concentrated Polymer Brushes Presenting Different Surface Stiffness. <i>Chemistry Letters</i> , 2010, 39, 1164-1165.	0.7	5
111	Study on complex formation between recombinant human thrombomodulin fragment and thrombin using surface plasmon resonance. , 2000, 63, 136-140.		4
112	Human Calcitonin Delivered Orally by Means of Nanoparticles Composed of Novel Graft Copolymers. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 623-632.	1.3	4
113	APATITE COATING ON POLY(ACRYLIC ACID) GRAFTED POLY(ETHYLENE) FILMS BY USING AN ALTERNATE SOAKING PROCESS. , 1999, , .		4
114	4-Arm PEG-Functionalized Decellularized Pericardium for Effective Prevention of Postoperative Adhesion in Cardiac Surgery. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 261-272.	2.6	4
115	Relationships between molecular mobility, fibrillogenesis of collagen molecules, and the inflammatory response: An experimental study in vitro and in vivo. <i>Journal of Colloid and Interface Science</i> , 2014, 433, 16-25.	5.0	3
116	Fabrication of uterine decellularized matrix using high hydrostatic pressure through depolymerization of actin filaments. <i>Journal of Biomechanical Science and Engineering</i> , 2019, 14, 19-00097-19-00097.	0.1	3
117	The Cytotoxic Activity of Diterpenoids from <i>Isodon</i> species. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.2	2
118	Selective Cell Capture and Release Using Antibody-Immobilized Polymer-Grafted Surface. <i>Kobunshi Ronbunshu</i> , 2018, 75, 155-163.	0.2	2
119	Synthesis and characterization of novel biodegradable polymers composed of hydroxycinnamic acid and D,L-lactic acid. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2357-2364.	1.3	2
120	Study of Cell-Lipid Film Interaction by Measuring Heat Shock Proteins mRNA Expression. <i>Journal of Bioactive and Compatible Polymers</i> , 2000, 15, 478-488.	0.8	2
121	In Vitro Tissue Reconstruction Using Decellularized Pericardium Cultured with Cells for Ligament Regeneration. <i>Polymers</i> , 2022, 14, 2351.	2.0	2
122	Tissue Engineering with Natural Tissue Matrices. <i>Advances in Science and Technology</i> , 0, , .	0.2	1
123	Fundamental study on the development of a surgical device for polymer-tissue adhesion using vibration damping of polymeric materials. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2532-2537.	1.3	1
124	A Protein Extraction System with a Water/Oil Microemulsion formed by a Biodegradable Polymer Surfactant. <i>Solvent Extraction Research and Development</i> , 2014, 21, 47-54.	0.5	1
125	Novel functional polymers: Poly(dimethylsiloxane)-polyamide multiblock copolymer. IV. Gas permeability and thermomechanical properties of aramid-silicone resins. , 1996, 59, 1067.		1
126	Synthesis of poly(N-vinylisobutyramide) from poly(N-vinylacetamide) and its thermosensitive property. , 1996, 34, 301.		1



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127	Synthesis and functionalities of poly(N-vinylalkylamide). IV. Synthesis and free radical polymerization of N-vinylisobutyramide and thermosensitive properties of the polymer. , 1997, 35, 1763.		1
128	Synthesis and functionalities of poly (N-vinylalkylamide). IV. Synthesis and free radical polymerization of N-vinylisobutyramide and thermosensitive properties of the polymer. Journal of Polymer Science Part A, 1997, 35, 1763-1768.	2.5	1
129	Synthesis and functionalities of poly(N-vinylalkylamide). V. Control of a lower critical solution temperature of poly(N-vinylalkylamide). , 1997, 35, 3087.		1
130	Protein adsorption and cell adhesion behavior of engineering plastics plasticized by supercritical carbon dioxide. Dental Materials Journal, 2020, 39, 1033-1038.	0.8	1
131	Vessels Anastomosis Supporting Device for Coronary Artery Bypass Grafting. Journal of Life Support Engineering, 2019, 31, 151-157.	0.1	1
132	The Control of Phase-structure of Block Copolymers from the Standpoint of the Use as Biomedical Materials. Journal of Fiber Science and Technology, 1998, 54, P428-P432.	0.0	0
133	In Vitro Calcification Model Part 1: Apatite Formation on Segmented Polyurethane Containing Silicone Using an Alternate Soaking Process. Journal of Bioactive and Compatible Polymers, 2000, 15, 72-84.	0.8	0
134	Improvement of antisense oligonucleotides delivery using high hydrostatic pressurized lipoplex. Materials Research Society Symposia Proceedings, 2013, 1498, 3-8.	0.1	0
135	High Hydrostatic Pressurized Lipoplex Enhances Transfection Efficiency In Vitro. Advanced Biomedical Engineering, 2013, 2, 80-83.	0.4	0
136	Medical Application of Decellularized Tissue-Polymer Complex. Kobunshi Ronbunshu, 2018, 75, 128-136.	0.2	0
137	Preparation of gradient-type biological tissue-polymer complex for interlinking device. Materials Science and Engineering C, 2020, 114, 111017.	3.8	0
138	Tumor growth suppression by implantation of an anti-CD25 antibody-immobilized material near the tumor via regulatory T cell capture. Science and Technology of Advanced Materials, 2021, 22, 607-615.	2.8	0
139	Synthesis of novel smart polymers for bioseparation and bioprocessing. , 2001, ,		0
140	Nano-vibration and Cells. Journal of Life Support Engineering, 2005, 17, 80-80.	0.1	0
141	Engineering evaluation of the quick touch operation and development of ultrasonically activated scalpel control method. Journal of Life Support Engineering, 2005, 17, 42-42.	0.1	0
142	220 Tissue Regeneration using Acellular Bioscaffold. Proceedings of the JSME Bioengineering Conference and Seminar, 2005, 2004.17, 77-78.	0.0	0
143	218 Application of Supercritical Fluid techniques to The Processing for Regenerative Tissue Scaffold. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2006, 2005.18, 95-96.	0.0	0
144	Tissue adhesion technology by using vibration energy. Journal of Life Support Engineering, 2006, 18, 78-78.	0.1	0

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145	704 Supercritical fluid extraction for decellularization of biological tissue. The Proceedings of the JSME Annual Meeting, 2006, 2006.5, 211-212.	0.0	0
146	Study on influence of mechanical nano-vibration stimuli on cell differentiation. Journal of Life Support Engineering, 2006, 18, 80-80.	0.1	0
147	Effect of nano-meter vibration on cells. Journal of Life Support Engineering, 2006, 18, 85-85.	0.1	0
148	Tissue adhesion technology with integrated low level energies. Journal of Life Support Engineering, 2007, 19, 185-185.	0.1	0
149	215 Reconstruction of small diameter arteries using acellular vessel scaffold. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2007, 2006.19, 40-41.	0.0	0
150	311 Development of catheter type stent adhesion manipulator. The Proceedings of Ibaraki District Conference, 2008, 2008, 79-80.	0.0	0
151	257 Development of Biodevice Actuated by Piezoelectric Thin Film for On-chip Regulation of Cell Functions. The Proceedings of Conference of Tokai Branch, 2008, 2008.57, 141-142.	0.0	0
152	C13 Development of Spatial Cell Patterning Microdevice for Functional Analysis of Cellular Network : Feasibility Study on Cell Patterning. The Proceedings of the Manufacturing & Machine Tool Conference, 2008, 2008.7, 119-120.	0.0	0
153	Evaluation of stent-graft adhesion with the low damage adhesion technology. Journal of Life Support Engineering, 2008, 20, 93-93.	0.1	0
154	Effect of heat characteristics of the low damage adhesion technology on tissue adhesion. Journal of Life Support Engineering, 2008, 20, 38-38.	0.1	0
155	165 Development of Cell Culture Microdevice Actuated by Piezoelectric Thin Film for On-Chip Regulation of Cell Functions. The Proceedings of Conference of Tokai Branch, 2009, 2009.58, 59-60.	0.0	0
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