Mitsuru Akashi

List of Publications by Year
in descending order

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320 papers	10,256 citations	28274 55 h-index	56724 83 g-index
330 all docs	330 docs citations	330 times ranked	9074 citing authors

#	Article	IF	Citations
1	CXCL12 promotes CCR7 ligandâ€“mediated breast cancer cell invasion and migration toward lymphatic vessels. Cancer Science, 2022, 113, 1338-1351.	3.9	13
2	Construction of vascularized oral mucosa equivalents using a layer-by-layer cell coating technology. Nihon Koku Geka Gakkai Zasshi, 2022, 68, 53-68.	0.0	0
3	Fabrication of highly stretchable hydrogel based on crosslinking between alendronates functionalized poly-Î³-glutamate and calcium cations. Materials Today Bio, 2022, 14, 100225.	5.5	1
4	Bioprinting 3D human cardiac tissue chips using the pin type printer â€˜microscopic painting deviceâ€™ and analysis for cardiotoxicity. Biomedical Materials (Bristol), 2021, 16, 025017.	3.3	7
5	The Cell Line-Dependent Diversity in Initial Morphological Dynamics of Pancreatic Cancer Cell Peritoneal Metastasis Visualized by an Artificial Human Peritoneal Model. Journal of Surgical Research, 2021, 261, 351-360.	1.6	1
6	Observation of a tight junction structure generated in LbLâ€3D skin reconstructed by layerâ€byâ€layer cell coating technique. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 798-803.	2.7	5
7	Three-dimensional idiopathic pulmonary fibrosis model using a layer-by-layer cell coating technique. Tissue Engineering - Part C: Methods, 2021, 27, 378-390.	2.1	2
8	Composite Materials by Building Block Chemistry Using Weak Interaction. Bulletin of the Chemical Society of Japan, 2021, 94, 1903-1921.	3.2	35
9	Effect of 3D-Fibroblast Dermis Constructed by Layer-by-Layer Cell Coating Technique on Tight Junction Formation and Function in Full-Thickness Skin Equivalent. ACS Biomaterials Science and Engineering, 2021, 7, 3835-3844.	5.2	4
10	Mechanical activities of self-beating cardiomyocyte aggregates under mechanical compression. Scientific Reports, 2021, 11, 15159.	3.3	6
11	Thiolactone-Functional Pullulan for In Situ Forming Biogels. Biomacromolecules, 2021, 22, 4262-4273.	5.4	5
12	Cardiotoxicity assessment using 3D vascularized cardiac tissue consisting of human iPSC-derived cardiomyocytes and fibroblasts. Molecular Therapy - Methods and Clinical Development, 2021, 22, 338-349.	4.1	12
13	Supersensitive Layer-by-Layer 3D Cardiac Tissues Fabricated on a Collagen Culture Vessel Using Human-Induced Pluripotent Stem Cells. Tissue Engineering - Part C: Methods, 2020, 26, 493-502.	2.1	0
14	Construction of 3D cardiac tissue with synchronous powerful beating using human cardiomyocytes from human iPS cells prepared by a convenient differentiation method. Journal of Bioscience and Bioengineering, 2020, 129, 749-755.	2.2	18
15	Noninvasive optical coherence tomography imaging of threeâ€dimensional cardiac tissues derived from human induced pluripotent stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1384-1393.	2.7	1
16	Formulation Stability of Amphiphilic Poly(Î³-Glutamic Acid) Nanoparticle and Evaluation of Cardiotoxicity of NPs With Human iPSC-Derived 3D-Cardiomyocyte Tissues. Journal of Pharmaceutical Sciences, 2020, 109, 2969-2974.	3.3	0
17	Vascularized cardiac tissue construction with orientation by layer-by-layer method and 3D printer. Scientific Reports, 2020, 10, 5484.	3.3	48
18	In vitro placenta barrier model using primary human trophoblasts, underlying connective tissue and vascular endothelium. Biomaterials, 2019, 192, 140-148.	11.4	33

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19	Threeâ€dimensional bioprinting human cardiac tissue chips of using a painting needle method. Biotechnology and Bioengineering, 2019, 116, 3136-3142.	3.3	23
20	A Layer-by-Layer Single-Cell Coating Technique To Produce Injectable Beating Mini Heart Tissues via Microfluidics. Biomacromolecules, 2019, 20, 3746-3754.	5.4	42
21	Micro Vacuum Chuck and Tensile Test System for Bio-Mechanical Evaluation of 3D Tissue Constructed of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes (hiPS-CM). Micromachines, 2019, 10, 487.	2.9	11
22	A novel strategy to engineer pre-vascularized 3-dimensional skin substitutes to achieve efficient, functional engraftment. Scientific Reports, 2019, 9, 7797.	3.3	54
23	Inhibitory effect of carbonyl reductase 1 against peritoneal progression of ovarian cancer: evaluation by ex vivo 3D-human peritoneal model. Molecular Biology Reports, 2019, 46, 4685-4697.	2.3	4
24	Construction of Vascularized Oral Mucosa Equivalents Using a Layer-by-Layer Cell Coating Technology. Tissue Engineering - Part C: Methods, 2019, 25, 262-275.	2.1	23
25	Dynamic Self-Assembly and Synthesis of Polylactide Bearing 5-Hydroxymethylfurfural Chain Ends. ACS Applied Polymer Materials, 2019, 1, 267-274.	4.4	9
26	Threeâ€dimensional cultured tissue constructs that imitate human living tissue organization for analysis of tumor cell invasion. Journal of Biomedical Materials Research - Part A, 2019, 107, 292-300.	4.0	7
27	Vascular Endothelial Growth Factor Incorporated Multilayer Film Induces Preangiogenesis in Endothelial Cells. ACS Biomaterials Science and Engineering, 2018, 4, 1833-1842.	5.2	8
28	Layer-by-layer cell coating technique using extracellular matrix facilitates rapid fabrication and function of pancreatic Î²-cell spheroids. Biomaterials, 2018, 160, 82-91.	11.4	58
29	Characterization and analytical development for amphiphilic poly(Î³-glutamic acid) as raw material of nanoparticle adjuvants. Journal of Pharmaceutical and Biomedical Analysis, 2018, 150, 460-468.	2.8	11
30	A novel comb-shaped polymethacrylate-based copolymers with immobilized 2,4-dihydroxybenzaldehyde for antifungal activity. Polymer Bulletin, 2018, 75, 1349-1363.	3.3	3
31	Development of In Vitro Drug-Induced Cardiotoxicity Assay by Using Three-Dimensional Cardiac Tissues Derived from Human Induced Pluripotent Stem Cells. Tissue Engineering - Part C: Methods, 2018, 24, 56-67.	2.1	88
32	Development of Endothelial Cell Networks in 3D Tissues by Combination of Melt Electrospinning Writing with Cellâ€Accumulation Technology. Small, 2018, 14, 1701521.	10.0	38
33	InÂvitro 3D blood/lymph-vascularized human stromal tissues for preclinical assays of cancer metastasis. Biomaterials, 2018, 179, 144-155.	11.4	44
34	Development of analytical methods for evaluating the quality of dissociated and associated amphiphilic poly(Î³-glutamic acid) nanoparticles. Analytical and Bioanalytical Chemistry, 2018, 410, 4445-4457.	3.7	3
35	Effective Guest Inclusion by a 6â€Oâ€Modified Î²â€Cyclodextrin Dimer in Organic Solvents. ChemPlusChem, 2018, 83, 868-873.	2.8	8
36	Transplantation of three-dimensional artificial human vascular tissues fabricated using an extracellular matrix nanofilm-based cell-accumulation technique. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1303-1307.	2.7	17

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37	Development of a rapid in vitro tissue deadhesion system using the thermoresponsive sol-gel transition of hydroxybutyl chitosan. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 958-973.	3.5	13
38	Construction of three-dimensional vascularized functional human liver tissue using a layer-by-layer cell coating technique. Biomaterials, 2017, 133, 263-274.	11.4	73
39	Fabrication of Orientation-Controlled 3D Tissues Using a Layer-by-Layer Technique and 3D Printed a Thermoresponsive Gel Frame. Tissue Engineering - Part C: Methods, 2017, 23, 357-366.	2.1	25
40	Desmoplastic Reaction in 3Dâ€Pancreatic Cancer Tissues Suppresses Molecular Permeability. Advanced Healthcare Materials, 2017, 6, 1700057.	7.6	19
41	Stability of adhesive interfaces by stereocomplex formation of polylactides and hybridization with nanoparticles. Polymer Degradation and Stability, 2017, 141, 69-76.	5.8	7
42	Construction of Three-Dimensional Dermoâ€“Epidermal Skin Equivalents Using Cell Coating Technology and Their Utilization as Alternative Skin for Permeation Studies and Skin Irritation Tests<sup />. Tissue Engineering - Part A, 2017, 23, 481-490.	3.1	36
43	Thermally resistant polylactide layer-by-layer film prepared using an inkjet approach. Polymer Journal, 2017, 49, 327-334.	2.7	8
44	In Vitro Design of Nanoparticles Using an Artificial 3D-Blood Vessel Wall Model for Atherosclerosis Treatment. ACS Symposium Series, 2017, , 195-225.	0.5	0
45	Construction of artificial human peritoneal tissue by cell-accumulation technique and its application for visualizing morphological dynamics of cancer peritoneal metastasis. Biochemical and Biophysical Research Communications, 2017, 494, 213-219.	2.1	16
46	Engraftment and morphological development of vascularized human iPS cell-derived 3D-cardiomyocyte tissue after xenotransplantation. Scientific Reports, 2017, 7, 13708.	3.3	26
47	Control of thermoresponsivity of biocompatible poly(trimethylene carbonate) with direct introduction of oligo(ethylene glycol) under various circumstances. Journal of Polymer Science Part A, 2017, 55, 3466-3474.	2.3	13
48	Treating the placenta to prevent adverse effects of gestational hypoxia on fetal brain development. Scientific Reports, 2017, 7, 9079.	3.3	76
49	Construction and histological analysis of a 3D human arterial wall model containing vasa vasorum using a layerâ€byâ€layer technique. Journal of Biomedical Materials Research - Part A, 2017, 105, 814-823.	4.0	7
50	Highâ€Throughput Bloodâ€and Lymphâ€Capillaries with Openâ€Ended Pores Which Allow the Transport of Drugs and Cells. Advanced Healthcare Materials, 2016, 5, 1969-1978.	7.6	18
51	Construction of Mouseâ€Embryonicâ€Cellâ€Derived 3D Pacemaker Tissues by Layerâ€byâ€Layer Nanofilm Coating. ChemNanoMat, 2016, 2, 466-471.	2.8	0
52	Use of Threeâ€Dimensional Arterial Models To Predict the In Vivo Behavior of Nanoparticles for Drug Delivery. Angewandte Chemie - International Edition, 2016, 55, 4461-4466.	13.8	11
53	Use of Threeâ€Dimensional Arterial Models To Predict the In Vivo Behavior of Nanoparticles for Drug Delivery. Angewandte Chemie, 2016, 128, 4537-4542.	2.0	1
54	Construction and myogenic differentiation of 3D myoblast tissues fabricated by fibronectin-gelatin nanofilm coating. Biochemical and Biophysical Research Communications, 2016, 474, 515-521.	2.1	27

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55	Salt Effects on Surface Structures of Polyelectrolyte Multilayers (PEMs) Investigated by Vibrational Sum Frequency Generation (SFG) Spectroscopy. Langmuir, 2016, 32, 3803-3810.	3.5	19
56	Preparation of macroporous replica particles using stereocomplex of isotactic poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td Engineering Aspects, 2016, 506, 338-343.	4.7	0
57	Nanometerâ€sized extracellular matrix coating on polymerâ€based scaffold for tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2016, 104, 94-103.	4.0	32
58	Nanofiber Formation by the Self-assembly of an Ampholyte Poly(amino acid). Chemistry Letters, 2016, 45, 220-222.	1.3	1
59	Preparation of glucose responsive polyelectrolyte capsules with shell crosslinking via the layer-by-layer technique and sustained release of insulin. Polymer Chemistry, 2016, 7, 6779-6788.	3.9	23
60	Force Estimation on the Contact of Poly(<scp>l</scp>,<scp>l</scp>-lactide) and Poly(<scp>d</scp>,<scp>d</scp>-lactide) Surfaces Regarding Stereocomplex Formation. Langmuir, 2016, 32, 9501-9506.	3.5	9
61	Fabrication of Biobased Polyelectrolyte Capsules and Their Application for Glucose-Triggered Insulin Delivery. ACS Applied Materials & Interfaces, 2016, 8, 13688-13697.	8.0	57
62	Catechinâ€Modified Polylactide Stereocomplex at Chain End Improved Antibiobacterial Property. Macromolecular Bioscience, 2016, 16, 694-704.	4.1	19
63	Three-Dimensional Tissue Models Constructed by Cells with Nanometer- or Micrometer-Sized Films on the Surfaces. Chemical Record, 2016, 16, 783-796.	5.8	9
64	Development of vascularized iPSC derived 3D-cardiomyocyte tissues by filtration Layer-by-Layer technique and their application for pharmaceutical assays. Acta Biomaterialia, 2016, 33, 110-121.	8.3	106
65	Control of vascular network location in millimeter-sized 3D-tissues by micrometer-sized collagen coated cells. Biochemical and Biophysical Research Communications, 2016, 472, 131-136.	2.1	6
66	Fabrication of rod-like nanocapsules based on polylactide and 3,4-dihydroxyphenylalanine for a drug delivery system. RSC Advances, 2015, 5, 103414-103420.	3.6	10
67	Fabrication of Cellâ€“Hydroxyapatite Nanocrystal Composites Assisted with Layer-by-layer Nanometer-sized Extracellular Matrix Films on Individual Stem Cells. Chemistry Letters, 2015, 44, 1714-1716.	1.3	2
68	Study on Porous <i>it</i>-PMMA Thin Films With Well Recognizable Stereoregularity when Prepared by Layer-by-Layer Assembly. Kobunshi Ronbunshu, 2015, 72, 261-274.	0.2	2
69	Releasing property from surface polyion complex gel. Journal of Applied Polymer Science, 2015, 132, .	2.6	0
70	Preparation of Pickering emulsions through interfacial adsorption by soft cyclodextrin nanogels. Beilstein Journal of Organic Chemistry, 2015, 11, 2355-2364.	2.2	17
71	Biomineral/Agarose Composite Gels Enhance Proliferation of Mesenchymal Stem Cells with Osteogenic Capability. International Journal of Molecular Sciences, 2015, 16, 14245-14258.	4.1	20
72	Adsorption capability of urethane-crosslinked heptakis(2,6-di-O-methyl)-Î²-cyclodextrin polymers toward polychlorobiphenyls in nonpolar organic media. Polymer Journal, 2015, 47, 443-448.	2.7	11

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73	A novel substrate for testosterone: biodegradable and biocompatible oil gel. Polymer Journal, 2015, 47, 460-463.	2.7	6
74	Hydrogen-Bonded Multilayer Films Based on Poly(N-vinylamide) Derivatives and Tannic Acid. Langmuir, 2015, 31, 6863-6869.	3.5	49
75	Induction of Potent Adaptive Immunity by the Novel Polyion Complex Nanoparticles. Vaccine Journal, 2015, 22, 578-585.	3.1	5
76	3D-fibroblast tissues constructed by a cell-coat technology enhance tight-junction formation of human colon epithelial cells. Biochemical and Biophysical Research Communications, 2015, 457, 363-369.	2.1	17
77	Cell effects on the formation of collagen triple helix fibers inside collagen gels or on cell surfaces. Polymer Journal, 2015, 47, 391-399.	2.7	16
78	Cellâ€"Cell Crosslinking by Bioâ€Molecular Recognition of Heparinâ€Based Layerâ€byâ€Layer Nanofilms. Macromolecular Bioscience, 2015, 15, 312-317.	4.1	6
79	Dynamic Nanoâ€Interfaces Enable Harvesting of Functional 3Dâ€Engineered Tissues. Advanced Healthcare Materials, 2015, 4, 1164-1168.	7.6	10
80	Structural and Viscoelastic Properties of Layer-by-Layer Extracellular Matrix (ECM) Nanofilms and Their Interactions with Living Cells. ACS Biomaterials Science and Engineering, 2015, 1, 816-824.	5.2	10
81	Control of Cellâ€"Cell Distance and Cell Densities in Millimeter-Sized 3D Tissues Constructed by Collagen Nanofiber Coating Techniques. ACS Biomaterials Science and Engineering, 2015, 1, 639-645.	5.2	13
82	Development of full-thickness human skin equivalents with blood and lymph-like capillary networks by cell coating technology. Journal of Biomedical Materials Research - Part A, 2015, 103, 3386-3396.	4.0	70
83	Effect of Hydrophobic Side Chains in the Induction of Immune Responses by Nanoparticle Adjuvants Consisting of Amphiphilic Poly(Î³-glutamic acid). Bioconjugate Chemistry, 2015, 26, 890-898.	3.6	25
84	pH-dependent and self-healing properties of mussel modified poly(vinyl alcohol) hydrogels in a metal-free environment. RSC Advances, 2015, 5, 82252-82258.	3.6	42
85	Stereocomplex Film Using Triblock Copolymers of Polylactide and Poly(ethylene glycol) Retain Paxlitaxel on Substrates by an Aqueous Inkjet System. Langmuir, 2015, 31, 10583-10589.	3.5	17
86	Interaction between living cells and polymeric particles: potential application of ionic liquid for evaluating the cellular uptake of biodegradable polymeric particles composed of poly(amino acid). Polymer Journal, 2015, 47, 631-638.	2.7	6
87	Thermally stable polylactides by stereocomplex formation and conjugation of both terminals with bio-based cinnamic acid derivatives. RSC Advances, 2015, 5, 91423-91430.	3.6	12
88	Surface polyion complex gel with poly(vinylphosphonic acid) and poly(N-vinylamide)s. Journal of Polymer Science Part A, 2015, 53, 562-566.	2.3	0
89	Three-dimensional human arterial wall models for in vitro permeability assessment of drug and nanocarriers. Biochemical and Biophysical Research Communications, 2015, 456, 392-397.	2.1	10
90	Construction of three-dimensional liver tissue models by cell accumulation technique and maintaining their metabolic functions for long-term culture without medium change. Journal of Biomedical Materials Research - Part A, 2015, 103, 1554-1564.	4.0	24

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91	Ferulic acid-coupled chitosan: Thermal stability and utilization as an antioxidant for biodegradable active packaging film. Carbohydrate Polymers, 2015, 115, 744-751.	10.2	66
92	Effective Extraction of Radioactive Cesium from Various Pollutants with a Detergent Solution Including Mg²⁺ and K⁺. Radiation Safety Management, 2015, 14, 15-17.	0.4	1
93	2C47 Fabrication of Small blood vessel using 3D Multilayer Assembly. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 427-428.	0.0	0
94	Preparation of microparticles composed of amphiphilic poly(Î³-glutamic acid) through hydrophobic interactions. Polymer Journal, 2014, 46, 184-188.	2.7	6
95	Ultrastructure of blood and lymphatic vascular networks in three-dimensional cultured tissues fabricated by extracellular matrix nanofilm-based cell accumulation technique. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	37
96	Microfluidic perfusion culture system for multilayer artery tissue models. Biomicrofluidics, 2014, 8, 064113.	2.4	16
97	Circulatory culture system for elastic fiber development of tissue-engineered blood vessels. , 2014, , .		0
98	Control of extracellular microenvironments using polymer/protein nanofilms for the development of three-dimensional human tissue chips. Polymer Journal, 2014, 46, 524-536.	2.7	19
99	Temperature effect on template polymerization of methacrylic acid using stereocomplex formation on quartz crystal microbalance substrates. Journal of Polymer Science Part A, 2014, 52, 3032-3036.	2.3	1
100	Creation of Superhydrophobic Electrospun Nonwovens Fabricated from Naturally Occurring Poly(Amino Acid) Derivatives. Advanced Functional Materials, 2014, 24, 6359-6364.	14.9	16
101	Synthesis and preparation of nanoparticles composed of amphiphilic poly(Î³-glutamic acid) with different hydrophobic side chains and their potential of membrane disruptive activity. Colloid and Polymer Science, 2014, 292, 2663-2671.	2.1	11
102	Secretions from placenta, after hypoxia/reoxygenation, can damage developing neurones of brain under experimental conditions. Experimental Neurology, 2014, 261, 386-395.	4.1	29
103	Effects of angiogenic factors and 3D-microenvironments on vascularization within sandwich cultures. Biomaterials, 2014, 35, 4739-4748.	11.4	84
104	Three-dimensional cell culture technique and pathophysiology. Advanced Drug Delivery Reviews, 2014, 74, 95-103.	13.7	86
105	The construction of cell-density controlled three-dimensional tissues by coating micrometer-sized collagen fiber matrices on single cell surfaces. RSC Advances, 2014, 4, 46141-46144.	3.6	17
106	Oil gels with a chemically cross-linked copolymer of a trimethylene carbonate derivative and <scp>l</scp>-lactide: preparation and stereocomplex formation within gels. RSC Advances, 2014, 4, 33462-33465.	3.6	11
107	The hydrophobic effect of nanoparticles composed of amphiphilic poly(Î³-glutamic acid) on the degradability of the encapsulated proteins. Biomaterials Science, 2014, 2, 1419.	5.4	8
108	Measurement of cell adhesion force by vertical forcible detachment using an arrowhead nanoneedle and atomic force microscopy. Biochemical and Biophysical Research Communications, 2014, 451, 107-111.	2.1	16

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109	Tunable drug-loading capability of chitosan hydrogels with varied network architectures. Acta Biomaterialia, 2014, 10, 821-830.	8.3	53
110	Amphiphilic Poly(Nâ€vinyl acetamide) Gels Strengthened with Swelling Solvent. Macromolecular Chemistry and Physics, 2014, 215, 384-390.	2.2	4
111	Three-dimensional multilayers of smooth muscle cells as a new experimental model for vascular elastic fiber formation studies. Atherosclerosis, 2014, 233, 590-600.	0.8	21
112	Studies on Synthesis, Characterization, and Functionalization of Poly(3,4-dihydroxy-<scp>l</scp>-phenylalanine). Chemistry Letters, 2014, 43, 959-961.	1.3	3
113	Sustainable Release of Paclitaxel from Biodegradable Poly(Î³-glutamic acid) Nanoparticles for Treatment of Atherosclerosis. Chemistry Letters, 2014, 43, 1767-1769.	1.3	5
114	Preparation of siRNA Carrier Based on Boronic Acid-functionalized Amphiphilic Poly(Î³-glutamic acid) Nanoparticles. Chemistry Letters, 2014, 43, 840-842.	1.3	2
115	Development of Extraction Technique for Radioactive Cesium in Polluted Soil . Journal of Environmental Chemistry, 2014, 24, 119-124.	0.2	3
116	Transmission electron microscopic observations of the multilevel microstructure of crosslinked copolymers with methacrylates and siloxane macromers by a radically polymerizable tuning approach. Journal of Applied Polymer Science, 2013, 127, 3325-3332.	2.6	2
117	Effect of copolymerizing fluorineâ€bearing monomers on the relationship among internal structure, gas permeability, and transparency in copolymer networks composed of methacrylates and siloxane macromers. Journal of Applied Polymer Science, 2013, 127, 535-543.	2.6	9
118	Structural Analysis of Unimer Nanoparticles Composed of Hydrophobized Poly(amino acid)s. Macromolecules, 2013, 46, 6187-6194.	4.8	22
119	Threeâ€Dimensional Human Tissue Chips Fabricated by Rapid and Automatic Inkjet Cell Printing. Advanced Healthcare Materials, 2013, 2, 534-539.	7.6	156
120	Multilayered Blood Capillary Analogs in Biodegradable Hydrogels for In Vitro Drug Permeability Assays. Advanced Functional Materials, 2013, 23, 1736-1742.	14.9	51
121	Synthesis of a thermosensitive polycation by random copolymerization of N-vinylformamide and N-vinylbutyramide. Polymer Journal, 2013, 45, 971-978.	2.7	4
122	Fabrication of multilayer structured tubular tissue using water transfer printing. , 2013, , .		0
123	Uptake of biodegradable poly(Î³-glutamic acid) nanoparticles and antigen presentation by dendritic cells in vivo. Results in Immunology, 2013, 3, 1-9.	2.2	25
124	Survival and structural evaluations of three-dimensional tissues fabricated by the hierarchical cell manipulation technique. Acta Biomaterialia, 2013, 9, 4698-4706.	8.3	29
125	Biodistribution of vaccines comprised of hydrophobically-modified poly(Î³-glutamic acid) nanoparticles and antigen proteins using fluorescence imaging. Bioorganic and Medicinal Chemistry, 2013, 21, 6608-6615.	3.0	13
126	Preparation and characterization of nanoparticles formed through stereocomplexation between enantiomeric poly(Î³-glutamic acid)-graft-poly(lactide) copolymers. Polymer Journal, 2013, 45, 560-566.	2.7	17

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127	Thermally Stabilized Poly(lactide)s Stereocomplex with Bio-Based Aromatic Groups at Both Initiating and Terminating Chain Ends. Macromolecules, 2013, 46, 5150-5156.	4.8	40
128	Poly(vinylalkanamide)s as Kinetic Hydrate Inhibitors: Comparison of Poly(N-vinylisobutyramide) with Poly(N-isopropylacrylamide). Energy & Fuels, 2013, 27, 183-188.	5.1	36
129	Effectiveness of Nanometer-Sized Extracellular Matrix Layer-by-Layer Assembled Films for a Cell Membrane Coating Protecting Cells from Physical Stress. Langmuir, 2013, 29, 7362-7368.	3.5	79
130	Inkjet Approaches Contribute to Facile Isotactic Poly(Methyl)/Syndiotactic Poly(Methyl Methacrylate) Stereocomplex Surface Preparation. Macromolecular Chemistry and Physics, 2013, 214, 1590-1595.	2.2	6
131	Tissue Engineering: Three-Dimensional Human Tissue Chips Fabricated by Rapid and Automatic Inkjet Cell Printing (Adv. Healthcare Mater. 4/2013). Advanced Healthcare Materials, 2013, 2, 533-533.	7.6	4
132	A study on template effects using irregular porous isotactic poly(methyl methacrylate) films constructed with syndiotactic rich poly(methacrylic acid) and isotactic poly(methyl methacrylate). Polymer Journal, 2013, 45, 898-903.	2.7	5
133	Safe Control of Constructionâ€“Deconstruction of High-density PEG Brushes on the Surface of Peptide Nanospheres by Thermally Induced Shrinkage of PEGâ€“SSâ€“PEG. Chemistry Letters, 2013, 42, 344-346.	1.3	3
134	Nanoparticle Fabrication with Biodegradable Block Copolymer Composed of Hydrophilic Poly(trimethylene carbonate) Derivative and Hydrophobic Polylactide. Chemistry Letters, 2013, 42, 74-76.	1.3	7
135	Efficient Removal and Recovery of Perfluorinated Compounds from Water by Surface-tethered Î²-Cyclodextrins on Polystyrene Particles. Chemistry Letters, 2013, 42, 392-394.	1.3	23
136	Stimuli-responsive Unimer Nanoparticles Composed of Poly(amino acid) Derivatives as Promising Protein-mimetic Drug Carriers. Chemistry Letters, 2013, 42, 1534-1536.	1.3	3
137	Biomedical Applications: Multilayered Blood Capillary Analogs in Biodegradable Hydrogels for In Vitro Drug Permeability Assays (Adv. Funct. Mater. 14/2013). Advanced Functional Materials, 2013, 23, 1730-1730.	14.9	0
138	The systematic study of the microstructure of crosslinked copolymers from siloxane macromonomers and methacrylates by changes in composition and components. Polymer Journal, 2012, 44, 301-305.	2.7	5
139	Control of Cellular Inflammation by Layer-by-layer Nanofilms through Different Driving Forces. Chemistry Letters, 2012, 41, 523-524.	1.3	10
140	Morphological and Histological Evaluations of 3D-Layered Blood Vessel Constructs Prepared by Hierarchical Cell Manipulation. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 63-79.	3.5	40
141	Structural Nanospace Feature and Substrate Contribution to Maintaining Stable Porosity of Polymer Chain in Layer-by-Layer Assembled Isotactic Poly(methyl methacrylate) Films. Macromolecules, 2012, 45, 7660-7663.	4.8	4
142	Controlled Release Using a Polymer Stereocomplex Capsule through the Selective Extraction and Incorporation of One Capsule Shell Component. Langmuir, 2012, 28, 15378-15384.	3.5	16
143	Engineering fibrotic tissue in pancreatic cancer: A novel three-dimensional model to investigate nanoparticle delivery. Biochemical and Biophysical Research Communications, 2012, 419, 32-37.	2.1	40
144	Effect of Degree of Branching on Properties of Photosensitive Nanoparticles as Drugâ€Đelivery Carriers. Macromolecular Chemistry and Physics, 2012, 213, 2157-2164.	2.2	3

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145	Investigation on thermoresponsive behavior of biodegradable poly(Î³â€glutamic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 T 4823-4828.	2.3	0
146	Radical polymerization of novel Nâ€substitutedâ€Nâ€vinylformamide derivatives with bulky chiral substitutents. Journal of Polymer Science Part A, 2012, 50, 134-141.	2.3	3
147	Nanospace preparation by crosslinking helical syndiotacticâ€poly(methacrylic acid) in acetonitrile/water after stereocomplexation. Journal of Polymer Science Part A, 2012, 50, 1469-1476.	2.3	5
148	LbL Assemblies Using van der Waals or Affinity Interactions and Their Applications. , 2012, , 99-133.		2
149	A stereocomplex of poly(lactide)s with chain end modification: simultaneous resistances to melting and thermal decomposition. Chemical Communications, 2012, 48, 8478.	4.1	39
150	Layerâ€byâ€Layer Assembly Through Weak Interactions and Their Biomedical Applications. Advanced Materials, 2012, 24, 454-474.	21.0	155
151	7C12 3D-Cell Manipulation Using Nanofilms and Development of Engineered Tissue Models. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, _7C12-1_-_7C12-2_.	0.0	0
152	Biodegradable Nanoparticles as Vaccine Adjuvants and Delivery Systems: Regulation of Immune Responses by Nanoparticle-Based Vaccine. Advances in Polymer Science, 2011, , 31-64.	0.8	134
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