

Mitsuru Akashi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

322
papers

8,733
citations

51
h-index

76
g-index

330
ext. papers

9,397
ext. citations

5.1
avg. IF

6.09
L-index

#	Paper	IF	Citations
322	CXCL12 promotes CCR7 ligand-mediated breast cancer cell invasion and migration toward lymphatic vessels.. <i>Cancer Science</i> , 2022 ,	6.9	2
321	Construction of vascularized oral mucosa equivalents using a layer-by-layer cell coating technology. <i>Nihon Koku Geka Gakkai Zasshi</i> , 2022 , 68, 53-68	0.1	
320	Fabrication of highly stretchable hydrogel based on crosslinking between alendronates functionalized poly- γ -glutamate and calcium cations.. <i>Materials Today Bio</i> , 2022 , 14, 100225	9.9	0
319	The Cell Line-Dependent Diversity in Initial Morphological Dynamics of Pancreatic Cancer Cell Peritoneal Metastasis Visualized by an Artificial Human Peritoneal Model. <i>Journal of Surgical Research</i> , 2021 , 261, 351-360	2.5	1
318	Observation of a tight junction structure generated in LbL-3D skin reconstructed by layer-by-layer cell coating technique. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 , 15, 798-803	4.4	1
317	Three-Dimensional Idiopathic Pulmonary Fibrosis Model Using a Layer-by-Layer Cell Coating Technique. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 378-390	2.9	0
316	Composite Materials by Building Block Chemistry Using Weak Interaction. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 1903-1921	5.1	6
315	Effect of 3D-Fibroblast Dermis Constructed by Layer-by-Layer Cell Coating Technique on Tight Junction Formation and Function in Full-Thickness Skin Equivalent. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3835-3844	5.5	1
314	Bioprinting 3D human cardiac tissue chips using the pin type printer microscopic painting devices and analysis for cardiotoxicity. <i>Biomedical Materials (Bristol)</i> , 2021 , 16, 025017	3.5	2
313	Mechanical activities of self-beating cardiomyocyte aggregates under mechanical compression. <i>Scientific Reports</i> , 2021 , 11, 15159	4.9	0
312	Thiolactone-Functional Pullulan for Forming Biogels. <i>Biomacromolecules</i> , 2021 , 22, 4262-4273	6.9	2
311	Cardiotoxicity assessment using 3D vascularized cardiac tissue consisting of human iPSC-derived cardiomyocytes and fibroblasts. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021 , 22, 338-349	6.4	6
310	Construction of 3D cardiac tissue with synchronous powerful beating using human cardiomyocytes from human iPS cells prepared by a convenient differentiation method. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 129, 749-755	3.3	12
309	Noninvasive optical coherence tomography imaging of three-dimensional cardiac tissues derived from human induced pluripotent stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1384-1393	4.4	1
308	Formulation Stability of Amphiphilic Poly(γ -Glutamic Acid) Nanoparticle and Evaluation of Cardiotoxicity of NPs With Human iPSC-Derived 3D-Cardiomyocyte Tissues. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2969-2974	3.9	
307	Vascularized cardiac tissue construction with orientation by layer-by-layer method and 3D printer. <i>Scientific Reports</i> , 2020 , 10, 5484	4.9	22
306	Supersensitive Layer-by-Layer 3D Cardiac Tissues Fabricated on a Collagen Culture Vessel Using Human-Induced Pluripotent Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 493-502	2.9	

305	A novel strategy to engineer pre-vascularized 3-dimensional skin substitutes to achieve efficient, functional engraftment. <i>Scientific Reports</i> , 2019 , 9, 7797	4.9	32
304	Inhibitory effect of carbonyl reductase 1 against peritoneal progression of ovarian cancer: evaluation by ex vivo 3D-human peritoneal model. <i>Molecular Biology Reports</i> , 2019 , 46, 4685-4697	2.8	1
303	Construction of Vascularized Oral Mucosa Equivalents Using a Layer-by-Layer Cell Coating Technology. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 262-275	2.9	13
302	In vitro placenta barrier model using primary human trophoblasts, underlying connective tissue and vascular endothelium. <i>Biomaterials</i> , 2019 , 192, 140-148	15.6	19
301	Three-dimensional bioprinting human cardiac tissue chips of using a painting needle method. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 3136-3142	4.9	14
300	A Layer-by-Layer Single-Cell Coating Technique To Produce Injectable Beating Mini Heart Tissues via Microfluidics. <i>Biomacromolecules</i> , 2019 , 20, 3746-3754	6.9	25
299	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). <i>Micromachines</i> , 2019 , 10,	3.3	6
298	Dynamic Self-Assembly and Synthesis of Polylactide Bearing 5-Hydroxymethylfurfural Chain Ends. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 267-274	4.3	7
297	Three-dimensional cultured tissue constructs that imitate human living tissue organization for analysis of tumor cell invasion. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 292-300	5.4	4
296	Vascular Endothelial Growth Factor Incorporated Multilayer Film Induces Preangiogenesis in Endothelial Cells. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1833-1842	5.5	7
295	Layer-by-layer cell coating technique using extracellular matrix facilitates rapid fabrication and function of pancreatic β cell spheroids. <i>Biomaterials</i> , 2018 , 160, 82-91	15.6	39
294	Characterization and analytical development for amphiphilic poly(β -glutamic acid) as raw material of nanoparticle adjuvants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 150, 460-468	3.5	8
293	A novel comb-shaped polymethacrylate-based copolymers with immobilized 2,4-dihydroxybenzaldehyde for antifungal activity. <i>Polymer Bulletin</i> , 2018 , 75, 1349-1363	2.4	2
292	Development of In Vitro Drug-Induced Cardiotoxicity Assay by Using Three-Dimensional Cardiac Tissues Derived from Human Induced Pluripotent Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 56-67	2.9	65
291	Effective Guest Inclusion by a 6-O-Modified β -Cyclodextrin Dimer in Organic Solvents. <i>ChemPlusChem</i> , 2018 , 83, 868-873	2.8	6
290	Construction of Three-Dimensional Tissues with Capillary Networks by Coating of Nanometer- or Micrometer-Sized Film on Cell Surfaces 2018 , 67-81		
289	Development of Endothelial Cell Networks in 3D Tissues by Combination of Melt Electrospinning Writing with Cell-Accumulation Technology. <i>Small</i> , 2018 , 14, 1701521	11	30
288	In vitro 3D blood/lymph-vascularized human stromal tissues for preclinical assays of cancer metastasis. <i>Biomaterials</i> , 2018 , 179, 144-155	15.6	33

287	Development of analytical methods for evaluating the quality of dissociated and associated amphiphilic poly(L-glutamic acid) nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4445-4457	4.4	3
286	Transplantation of three-dimensional artificial human vascular tissues fabricated using an extracellular matrix nanofilm-based cell-accumulation technique. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 1303-1307	4.4	15
285	Development of a rapid in vitro tissue deadhesion system using the thermoresponsive sol-gel transition of hydroxybutyl chitosan. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 958-973	3.5	10
284	Construction of three-dimensional vascularized functional human liver tissue using a layer-by-layer cell coating technique. <i>Biomaterials</i> , 2017 , 133, 263-274	15.6	53
283	Fabrication of Orientation-Controlled 3D Tissues Using a Layer-by-Layer Technique and 3D Printed a Thermoresponsive Gel Frame. <i>Tissue Engineering - Part C: Methods</i> , 2017 , 23, 357-366	2.9	20
282	Desmoplastic Reaction in 3D-Pancreatic Cancer Tissues Suppresses Molecular Permeability. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700057	10.1	13
281	Stability of adhesive interfaces by stereocomplex formation of polylactides and hybridization with nanoparticles. <i>Polymer Degradation and Stability</i> , 2017 , 141, 69-76	4.7	6
280	Construction of Three-Dimensional Dermo-Epidermal Skin Equivalents Using Cell Coating Technology and Their Utilization as Alternative Skin for Permeation Studies and Skin Irritation Tests. <i>Tissue Engineering - Part A</i> , 2017 , 23, 481-490	3.9	25
279	Thermally resistant polylactide layer-by-layer film prepared using an inkjet approach. <i>Polymer Journal</i> , 2017 , 49, 327-334	2.7	8
278	In Vitro Design of Nanoparticles Using an Artificial 3D-Blood Vessel Wall Model for Atherosclerosis Treatment. <i>ACS Symposium Series</i> , 2017 , 195-225	0.4	
277	Construction of artificial human peritoneal tissue by cell-accumulation technique and its application for visualizing morphological dynamics of cancer peritoneal metastasis. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 494, 213-219	3.4	13
276	Engraftment and morphological development of vascularized human iPS cell-derived 3D-cardiomyocyte tissue after xenotransplantation. <i>Scientific Reports</i> , 2017 , 7, 13708	4.9	19
275	Control of thermoresponsivity of biocompatible poly(trimethylene carbonate) with direct introduction of oligo(ethylene glycol) under various circumstances. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3466-3474	2.5	10
274	Treating the placenta to prevent adverse effects of gestational hypoxia on fetal brain development. <i>Scientific Reports</i> , 2017 , 7, 9079	4.9	57
273	Construction and histological analysis of a 3D human arterial wall model containing vasa vasorum using a layer-by-layer technique. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 814-823	5.4	5
272	Nanofiber Formation by the Self-assembly of an Ampholyte Poly(amino acid). <i>Chemistry Letters</i> , 2016 , 45, 220-222	1.7	1
271	Preparation of glucose responsive polyelectrolyte capsules with shell crosslinking via the layer-by-layer technique and sustained release of insulin. <i>Polymer Chemistry</i> , 2016 , 7, 6779-6788	4.9	18
270	Force Estimation on the Contact of Poly(L,L-lactide) and Poly(D,D-lactide) Surfaces Regarding Stereocomplex Formation. <i>Langmuir</i> , 2016 , 32, 9501-6	4	7

269	Fabrication of Biobased Polyelectrolyte Capsules and Their Application for Glucose-Triggered Insulin Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13688-97	9.5	48
268	Catechin-Modified Polylactide Stereocomplex at Chain End Improved Antibacterial Property. <i>Macromolecular Bioscience</i> , 2016 , 16, 694-704	5.5	13
267	Three-Dimensional Tissue Models Constructed by Cells with Nanometer- or Micrometer-Sized Films on the Surfaces. <i>Chemical Record</i> , 2016 , 16, 783-96	6.6	7
266	Development of vascularized iPSC derived 3D-cardiomyocyte tissues by filtration Layer-by-Layer technique and their application for pharmaceutical assays. <i>Acta Biomaterialia</i> , 2016 , 33, 110-21	10.8	90
265	Control of vascular network location in millimeter-sized 3D-tissues by micrometer-sized collagen coated cells. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 472, 131-6	3.4	5
264	High-Throughput Blood- and Lymph-Capillaries with Open-Ended Pores Which Allow the Transport of Drugs and Cells. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1969-78	10.1	13
263	Construction of Mouse-Embryonic-Cell-Derived 3D Pacemaker Tissues by Layer-by-Layer Nanofilm Coating. <i>ChemNanoMat</i> , 2016 , 2, 466-471	3.5	
262	Use of Three-Dimensional Arterial Models To Predict the In Vivo Behavior of Nanoparticles for Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4461-6	16.4	9
261	Use of Three-Dimensional Arterial Models To Predict the In Vivo Behavior of Nanoparticles for Drug Delivery. <i>Angewandte Chemie</i> , 2016 , 128, 4537-4542	3.6	1
260	Construction and myogenic differentiation of 3D myoblast tissues fabricated by fibronectin-gelatin nanofilm coating. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 474, 515-521	3.4	17
259	Salt Effects on Surface Structures of Polyelectrolyte Multilayers (PEMs) Investigated by Vibrational Sum Frequency Generation (SFG) Spectroscopy. <i>Langmuir</i> , 2016 , 32, 3803-10	4	17
258	Preparation of macroporous replica particles using stereocomplex of isotactic poly(methyl methacrylate) and syndiotactic poly(methacrylic acid). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 506, 338-343	5.1	
257	Nanometer-sized extracellular matrix coating on polymer-based scaffold for tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 94-103	5.4	29
256	Cell-cell crosslinking by bio-molecular recognition of heparin-based layer-by-layer nanofilms. <i>Macromolecular Bioscience</i> , 2015 , 15, 312-7	5.5	5
255	Dynamic nano-interfaces enable harvesting of functional 3D-engineered tissues. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1164-8	10.1	8
254	Structural and Viscoelastic Properties of Layer-by-Layer Extracellular Matrix (ECM) Nanofilms and Their Interactions with Living Cells. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 816-824	5.5	10
253	Control of Cell-Cell Distance and Cell Densities in Millimeter-Sized 3D Tissues Constructed by Collagen Nanofiber Coating Techniques. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 639-645	5.5	11
252	Development of full-thickness human skin equivalents with blood and lymph-like capillary networks by cell coating technology. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3386-96	5.4	46

251	LbL Nanofilms Through Biological Recognition for 3D Tissue Engineering 2015 , 419-452		
250	Effect of Hydrophobic Side Chains in the Induction of Immune Responses by Nanoparticle Adjuvants Consisting of Amphiphilic Poly(Glutamic acid). <i>Bioconjugate Chemistry</i> , 2015 , 26, 890-8	6.3	20
249	pH-dependent and self-healing properties of mussel modified poly(vinyl alcohol) hydrogels in a metal-free environment. <i>RSC Advances</i> , 2015 , 5, 82252-82258	3.7	33
248	Stereocomplex Film Using Triblock Copolymers of Polylactide and Poly(ethylene glycol) Retain Paclitaxel on Substrates by an Aqueous Inkjet System. <i>Langmuir</i> , 2015 , 31, 10583-9	4	16
247	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). <i>Polymer Journal</i> , 2015 , 47, 631-638	2.7	6
246	Thermally stable polylactides by stereocomplex formation and conjugation of both terminals with bio-based cinnamic acid derivatives. <i>RSC Advances</i> , 2015 , 5, 91423-91430	3.7	12
245	Surface polyion complex gel with poly(vinylphosphonic acid) and poly(N-vinylamide)s. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 562-566	2.5	
244	Three-dimensional human arterial wall models for in vitro permeability assessment of drug and nanocarriers. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 392-7	3.4	9
243	Construction of three-dimensional liver tissue models by cell accumulation technique and maintaining their metabolic functions for long-term culture without medium change. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 1554-64	5.4	20
242	Ferulic acid-coupled chitosan: thermal stability and utilization as an antioxidant for biodegradable active packaging film. <i>Carbohydrate Polymers</i> , 2015 , 115, 744-51	10.3	50
241	Fabrication of rod-like nanocapsules based on polylactide and 3,4-dihydroxyphenylalanine for a drug delivery system. <i>RSC Advances</i> , 2015 , 5, 103414-103420	3.7	9
240	Fabrication of Cell Hydroxyapatite Nanocrystal Composites Assisted with Layer-by-layer Nanometer-sized Extracellular Matrix Films on Individual Stem Cells. <i>Chemistry Letters</i> , 2015 , 44, 1714-1716	1.7	2
239	Study on Porous it-PMMA Thin Films With Well Recognizable Stereoregularity when Prepared by Layer-by-Layer Assembly. <i>Kobunshi Ronbunshu</i> , 2015 , 72, 261-274	0	2
238	Preparation of Pickering emulsions through interfacial adsorption by soft cyclodextrin nanogels. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 2355-64	2.5	14
237	Biomaterial/Agarose Composite Gels Enhance Proliferation of Mesenchymal Stem Cells with Osteogenic Capability. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 14245-58	6.3	16
236	Adsorption capability of urethane-crosslinked heptakis(2,6-di-O-methyl)- β -cyclodextrin polymers toward polychlorobiphenyls in nonpolar organic media. <i>Polymer Journal</i> , 2015 , 47, 443-448	2.7	8
235	A novel substrate for testosterone: biodegradable and biocompatible oil gel. <i>Polymer Journal</i> , 2015 , 47, 460-463	2.7	6
234	Hydrogen-Bonded Multilayer Films Based on Poly(N-vinylamide) Derivatives and Tannic Acid. <i>Langmuir</i> , 2015 , 31, 6863-9	4	41

233	Induction of potent adaptive immunity by the novel polyion complex nanoparticles. <i>Vaccine Journal</i> , 2015 , 22, 578-85		5
232	3D-fibroblast tissues constructed by a cell-coat technology enhance tight-junction formation of human colon epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 457, 363-9	3.4	14
231	Cell effects on the formation of collagen triple helix fibers inside collagen gels or on cell surfaces. <i>Polymer Journal</i> , 2015 , 47, 391-399	2.7	11
230	Effective Extraction of Radioactive Cesium from Various Pollutants with a Detergent Solution Including Mg ²⁺ and K ⁺ . <i>Radiation Safety Management</i> , 2015 , 14, 15-17	0.9	1
229	2C47 Fabrication of Small blood vessel using 3D Multilayer Assembly. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2015 , 2015.27, 427-428	0	
228	Effects of angiogenic factors and 3D-microenvironments on vascularization within sandwich cultures. <i>Biomaterials</i> , 2014 , 35, 4739-48	15.6	74
227	Three-dimensional cell culture technique and pathophysiology. <i>Advanced Drug Delivery Reviews</i> , 2014 , 74, 95-103	18.5	73
226	The construction of cell-density controlled three-dimensional tissues by coating micrometer-sized collagen fiber matrices on single cell surfaces. <i>RSC Advances</i> , 2014 , 4, 46141-46144	3.7	16
225	Oil gels with a chemically cross-linked copolymer of a trimethylene carbonate derivative and L-lactide: preparation and stereocomplex formation within gels. <i>RSC Advances</i> , 2014 , 4, 33462-33465	3.7	10
224	The hydrophobic effect of nanoparticles composed of amphiphilic poly(γ -glutamic acid) on the degradability of the encapsulated proteins. <i>Biomaterials Science</i> , 2014 , 2, 1419-1425	7.4	7
223	Measurement of cell adhesion force by vertical forcible detachment using an arrowhead nanoneedle and atomic force microscopy. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 451, 107-11	3.4	14
222	Tunable drug-loading capability of chitosan hydrogels with varied network architectures. <i>Acta Biomaterialia</i> , 2014 , 10, 821-30	10.8	43
221	Amphiphilic Poly(N-vinyl acetamide) Gels Strengthened with Swelling Solvent. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 384-390	2.6	4
220	Three-dimensional multilayers of smooth muscle cells as a new experimental model for vascular elastic fiber formation studies. <i>Atherosclerosis</i> , 2014 , 233, 590-600	3.1	21
219	Studies on Synthesis, Characterization, and Functionalization of Poly(3,4-dihydroxy-L-phenylalanine). <i>Chemistry Letters</i> , 2014 , 43, 959-961	1.7	3
218	Sustainable Release of Paclitaxel from Biodegradable Poly(γ -glutamic acid) Nanoparticles for Treatment of Atherosclerosis. <i>Chemistry Letters</i> , 2014 , 43, 1767-1769	1.7	4
217	Preparation of siRNA Carrier Based on Boronic Acid-functionalized Amphiphilic Poly(γ -glutamic acid) Nanoparticles. <i>Chemistry Letters</i> , 2014 , 43, 840-842	1.7	2
216	Development of Extraction Technique for Radioactive Cesium in Polluted Soil. <i>Journal of Environmental Chemistry</i> , 2014 , 24, 119-124	0.3	2

215	Preparation of microparticles composed of amphiphilic poly(γ -glutamic acid) through hydrophobic interactions. <i>Polymer Journal</i> , 2014 , 46, 184-188	2.7	3
214	Ultrastructure of blood and lymphatic vascular networks in three-dimensional cultured tissues fabricated by extracellular matrix nanofilm-based cell accumulation technique. <i>Microscopy (Oxford, England)</i> , 2014 , 63, 219-26	1.3	25
213	Microfluidic perfusion culture system for multilayer artery tissue models. <i>Biomicrofluidics</i> , 2014 , 8, 0641132	1.3	14
212	Control of extracellular microenvironments using polymer/protein nanofilms for the development of three-dimensional human tissue chips. <i>Polymer Journal</i> , 2014 , 46, 524-536	2.7	14
211	Temperature effect on template polymerization of methacrylic acid using stereocomplex formation on quartz crystal microbalance substrates. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 3032-3036	2.5	1
210	Creation of Superhydrophobic Electrospun Nonwovens Fabricated from Naturally Occurring Poly(Amino Acid) Derivatives. <i>Advanced Functional Materials</i> , 2014 , 24, 6359-6364	15.6	15
209	Synthesis and preparation of nanoparticles composed of amphiphilic poly(γ -glutamic acid) with different hydrophobic side chains and their potential of membrane disruptive activity. <i>Colloid and Polymer Science</i> , 2014 , 292, 2663-2671	2.4	9
208	Secretions from placenta, after hypoxia/reoxygenation, can damage developing neurones of brain under experimental conditions. <i>Experimental Neurology</i> , 2014 , 261, 386-95	5.7	22
207	Transmission electron microscopic observations of the multilevel microstructure of crosslinked copolymers with methacrylates and siloxane macromers by a radically polymerizable tuning approach. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3325-3332	2.9	1
206	Effect of copolymerizing fluorine-bearing monomers on the relationship among internal structure, gas permeability, and transparency in copolymer networks composed of methacrylates and siloxane macromers. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 535-543	2.9	9
205	Structural Analysis of Unimer Nanoparticles Composed of Hydrophobized Poly(amino acid)s. <i>Macromolecules</i> , 2013 , 46, 6187-6194	5.5	21
204	Three-dimensional human tissue chips fabricated by rapid and automatic inkjet cell printing. <i>Advanced Healthcare Materials</i> , 2013 , 2, 534-9	10.1	133
203	Multilayered Blood Capillary Analogs in Biodegradable Hydrogels for In Vitro Drug Permeability Assays. <i>Advanced Functional Materials</i> , 2013 , 23, 1736-1742	15.6	46
202	Synthesis of a thermosensitive polycation by random copolymerization of N-vinylformamide and N-vinylbutyramide. <i>Polymer Journal</i> , 2013 , 45, 971-978	2.7	4
201	Uptake of biodegradable poly(γ -glutamic acid) nanoparticles and antigen presentation by dendritic cells in vivo. <i>Results in Immunology</i> , 2013 , 3, 1-9		19
200	Survival and structural evaluations of three-dimensional tissues fabricated by the hierarchical cell manipulation technique. <i>Acta Biomaterialia</i> , 2013 , 9, 4698-706	10.8	26
199	Biodistribution of vaccines comprised of hydrophobically-modified poly(γ -glutamic acid) nanoparticles and antigen proteins using fluorescence imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 6608-15	3.4	12
198	Preparation and characterization of nanoparticles formed through stereocomplexation between enantiomeric poly(γ -glutamic acid)-graft-poly(lactide) copolymers. <i>Polymer Journal</i> , 2013 , 45, 560-566	2.7	15

197	Thermally Stabilized Poly(lactide)s Stereocomplex with Bio-Based Aromatic Groups at Both Initiating and Terminating Chain Ends. <i>Macromolecules</i> , 2013 , 46, 5150-5156	5.5	36
196	Poly(vinylalkanamide)s as Kinetic Hydrate Inhibitors: Comparison of Poly(N-vinylisobutyramide) with Poly(N-isopropylacrylamide). <i>Energy & Fuels</i> , 2013 , 27, 183-188	4.1	31
195	Effectiveness of nanometer-sized extracellular matrix layer-by-layer assembled films for a cell membrane coating protecting cells from physical stress. <i>Langmuir</i> , 2013 , 29, 7362-8	4	64
194	Inkjet Approaches Contribute to Facile Isotactic Poly(Methyl)/Syndiotactic Poly(Methyl Methacrylate) Stereocomplex Surface Preparation. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 1590-1595	2.6	6
193	Tissue Engineering: Three-Dimensional Human Tissue Chips Fabricated by Rapid and Automatic Inkjet Cell Printing (Adv. Healthcare Mater. 4/2013). <i>Advanced Healthcare Materials</i> , 2013 , 2, 533-533	10.1	4
192	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). <i>Polymer Journal</i> , 2013 , 45, 898-903	2.7	5
191	Safe Control of Construction/Deconstruction of High-density PEG Brushes on the Surface of Peptide Nanospheres by Thermally Induced Shrinkage of PEGSSPEG. <i>Chemistry Letters</i> , 2013 , 42, 344-346	1.7	3
190	Nanoparticle Fabrication with Biodegradable Block Copolymer Composed of Hydrophilic Poly(trimethylene carbonate) Derivative and Hydrophobic Polylactide. <i>Chemistry Letters</i> , 2013 , 42, 74-76	1.7	6
189	Efficient Removal and Recovery of Perfluorinated Compounds from Water by Surface-tethered β -Cyclodextrins on Polystyrene Particles. <i>Chemistry Letters</i> , 2013 , 42, 392-394	1.7	14
188	Stimuli-responsive Unimer Nanoparticles Composed of Poly(amino acid) Derivatives as Promising Protein-mimetic Drug Carriers. <i>Chemistry Letters</i> , 2013 , 42, 1534-1536	1.7	3
187	Biomedical Applications: Multilayered Blood Capillary Analogs in Biodegradable Hydrogels for In Vitro Drug Permeability Assays (Adv. Funct. Mater. 14/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 1730-1730	15.6	
186	Layer-by-layer assembly through weak interactions and their biomedical applications. <i>Advanced Materials</i> , 2012 , 24, 454-74	24	140
185	Control of Cellular Inflammation by Layer-by-layer Nanofilms through Different Driving Forces. <i>Chemistry Letters</i> , 2012 , 41, 523-524	1.7	10
184	Morphological and histological evaluations of 3D-layered blood vessel constructs prepared by hierarchical cell manipulation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 63-79	3.5	37
183	Structural Nanospace Feature and Substrate Contribution to Maintaining Stable Porosity of Polymer Chain in Layer-by-Layer Assembled Isotactic Poly(methyl methacrylate) Films. <i>Macromolecules</i> , 2012 , 45, 7660-7663	5.5	4
182	Controlled release using a polymer stereocomplex capsule through the selective extraction and incorporation of one capsule shell component. <i>Langmuir</i> , 2012 , 28, 15378-84	4	16
181	Engineering fibrotic tissue in pancreatic cancer: a novel three-dimensional model to investigate nanoparticle delivery. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 419, 32-7	3.4	37
180	Effect of Degree of Branching on Properties of Photosensitive Nanoparticles as Drug-Delivery Carriers. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 2157-2164	2.6	3

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