

Michiya Matsusaki

List of Publications by Year in descending order

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Version: 2024-02-01

205
papers

6,196
citations

71102

41
h-index

91884

69
g-index

216
all docs

216
docs citations

216
times ranked

6888
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput drug screening models of mature adipose tissues which replicate the physiology of patients' Body Mass Index (BMI). <i>Bioactive Materials</i> , 2022, 7, 227-241.	15.6	7
2	CXCL12 promotes CCR7 ligand-mediated breast cancer cell invasion and migration toward lymphatic vessels. <i>Cancer Science</i> , 2022, 113, 1338-1351.	3.9	13
3	Bioink with cartilage-derived extracellular matrix microfibers enables spatial control of vascular capillary formation in bioprinted constructs. <i>Biofabrication</i> , 2022, 14, 034104.	7.1	26
4	Brain microvascular endothelial cells derived from human induced pluripotent stem cells as in vitro model for assessing blood-brain barrier transferrin receptor-mediated transcytosis. <i>Materials Today Bio</i> , 2022, 14, 100232.	5.5	13
5	Fabrication of highly stretchable hydrogel based on crosslinking between alendronates functionalized poly- ¹³ -glutamate and calcium cations. <i>Materials Today Bio</i> , 2022, 14, 100225.	5.5	1
6	Biomacromolecule-Fueled Transient Volume Phase Transition of a Hydrogel. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
7	Development of a three-dimensional blood-brain barrier network with opening capillary structures for drug transport screening assays. <i>Materials Today Bio</i> , 2022, 15, 100324.	5.5	9
8	Effect of Extracellular Matrix Density and Cell Number on Blood Capillary Formation in Three-Dimensional Tissue. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 1163-1168.	3.2	1
9	Mechanism assay of interaction between blood vessels-near infrared probe and cell surface marker proteins of endothelial cells. <i>Materials Today Bio</i> , 2022, 15, 100332.	5.5	1
10	An in vitro self-organized three-dimensional model of the blood-brain barrier microvasculature. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 015006.	3.3	14
11	Development of temperature dependent oxygen releasable nanofilm by modulating oxidation state of myoglobin. <i>Chemical Communications</i> , 2021, 57, 5131-5134.	4.1	4
12	Dynamic analysis of <i>Porphyromonas gingivalis</i> invasion into blood capillaries during the infection process in host tissues using a vascularized three-dimensional human gingival model. <i>Biomaterials Science</i> , 2021, 9, 6574-6583.	5.4	6
13	Development of a drug screening system using three-dimensional cardiac tissues containing multiple cell types. <i>Scientific Reports</i> , 2021, 11, 5654.	3.3	8
14	Analysis of Thickness and Roughness Effects of Artificial Basement Membranes on Endothelial Cell Functions. <i>Analytical Sciences</i> , 2021, 37, 491-495.	1.6	2
15	Bioprinted Vascularized Mature Adipose Tissue with Collagen Microfibers for Soft Tissue Regeneration. <i>Cyborg and Bionic Systems</i> , 2021, 2021, .	7.9	30
16	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.	1.6	1
17	Three-Dimensional in vitro Models of Healthy and Tumor Brain Microvasculature for Drug and Toxicity Screening. <i>Frontiers in Toxicology</i> , 2021, 3, 656254.	3.1	12
18	A Near-Infrared Organic Fluorescent Probe for Broad Applications for Blood Vessels Imaging by High-Throughput Screening via 3D Blood Vessel Models. <i>Small Methods</i> , 2021, 5, e2100338.	8.6	13

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19	Measurement of low-grade inflammation of the esophageal mucosa with electrical conductivity shows promise in assessing PPI responsiveness in patients with GERD. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G29-G40.	3.4	1
20	Engineered whole cut meat-like tissue by the assembly of cell fibers using tendon-gel integrated bioprinting. <i>Nature Communications</i> , 2021, 12, 5059.	12.8	141
21	A Near-Infrared Organic Fluorescent Probe for Broad Applications for Blood Vessels Imaging by High-Throughput Screening via 3D-Blood Vessel Models (Small Methods 8/2021). <i>Small Methods</i> , 2021, 5, 2170036.	8.6	0
22	<i>Porphyromonas gingivalis</i> induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of coxsackievirus and adenovirus receptor. <i>Cellular Microbiology</i> , 2021, 23, e13388.	2.1	6
23	Construction of transplantable artificial vascular tissue based on adipose tissue-derived mesenchymal stromal cells by a cell coating and cryopreservation technique. <i>Scientific Reports</i> , 2021, 11, 17989.	3.3	4
24	Cancer-microenvironment triggered self-assembling therapy with molecular blocks. <i>Materials Horizons</i> , 2021, 8, 1216-1221.	12.2	12
25	Resolution of 3D bioprinting inside bulk gel and granular gel baths. <i>Soft Matter</i> , 2021, 17, 8769-8785.	2.7	23
26	Cancer Stem Cell Microenvironment Models with Biomaterial Scaffolds In Vitro. <i>Processes</i> , 2021, 9, 45.	2.8	8
27	Label-Free Cancer Stem-like Cell Assay Conducted at a Single Cell Level Using Microfluidic Mechanotyping Devices. <i>Analytical Chemistry</i> , 2021, 93, 14409-14416.	6.5	10
28	Constructing vascularized hepatic tissue by cell-assembled viscous tissue sedimentation method and its application for vascular toxicity assessment. <i>Acta Biomaterialia</i> , 2021, 140, 275-275.	8.3	1
29	Development of Highly Sensitive Molecular Blocks at Cancer Microenvironment for Rapid Cancer Cell Death. <i>Langmuir</i> , 2021, , .	3.5	1
30	Interstitial flow regulates in-vitro three-dimensional self-organized brain micro-vessels. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 600-606.	2.1	14
31	Enhancing Photostability of a Coumarin Dye by Self-Inclusion into a Cyclodextrin Cavity in Aqueous Solution and Living Cells. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 2112-2115.	2.7	4
32	Preparation of Extracellular Matrix Paper and Construction of Multi-Layered 3D Tissue Model. <i>Current Protocols in Cell Biology</i> , 2020, 88, e112.	2.3	1
33	Fabrication of Blood Capillary Models for Live Imaging Microarray Analysis. <i>Micromachines</i> , 2020, 11, 727.	2.9	7
34	In Situ Cross-Linking of Artificial Basement Membranes in 3D Tissues and Their Size-Dependent Molecular Permeability. <i>Biomacromolecules</i> , 2020, 21, 4923-4932.	5.4	4
35	A Four-Dimensional Organoid System to Visualize Cancer Cell Vascular Invasion. <i>Biology</i> , 2020, 9, 361.	2.8	3
36	Regulation of Chondrocyte Differentiation by Changing Intercellular Distances Using Type II Collagen Microfibers. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5711-5719.	5.2	3

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37	Fabrication of Artificial Nanobasement Membranes for Cell Compartmentalization in 3D Tissues. <i>Small</i> , 2020, 16, e1907434.	10.0	16
38	Capillary Alignment: Collagen Microfibers Induce Blood Capillary Orientation and Open Vascular Lumen (<i>Adv. Biosys. 5/2020</i>). <i>Advanced Biology</i> , 2020, 4, 2070052.	3.0	1
39	Collagen Microfibers Induce Blood Capillary Orientation and Open Vascular Lumen. <i>Advanced Biology</i> , 2020, 4, e2000038.	3.0	23
40	Effects of radiofrequency and ultrasound on the turnover rate of skin aging components (skin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62. <i>Research Communications</i> , 2020, 525, 73-79.	2.1	7
41	Heterotypic 3D pancreatic cancer model with tunable proportion of fibrotic elements. <i>Biomaterials</i> , 2020, 251, 120077.	11.4	23
42	Adipose tissue engineering. , 2020, , 393-423.		26
43	In vitro fabrication and application of engineered vascular hydrogels. <i>Polymer Journal</i> , 2020, 52, 871-881.	2.7	13
44	Oneâ€Step Photoactivation of a Dualâ€Functionalized Bioink as Cell Carrier and Cartilageâ€Binding Glue for Chondral Regeneration. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901792.	7.6	56
45	Bloodâ€brain barrier tissue engineering. , 2020, , 425-439.		2
46	A unique <i>ex vivo</i> tumor model: 3D cocultured system with cancer and stromal cells including blood microvessels.. <i>Journal of Clinical Oncology</i> , 2020, 38, 211-211.	1.6	1
47	Regulation of Cell Functions Using Nanofilms. <i>Membrane</i> , 2020, 45, 245-249.	0.0	0
48	In vitro placenta barrier model using primary human trophoblasts, underlying connective tissue and vascular endothelium. <i>Biomaterials</i> , 2019, 192, 140-148.	11.4	33
49	Liquefied Microcapsules as Dualâ€Microcarriers for 3D+3D Bottomâ€Up Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2019, 8, e1901221.	7.6	30
50	<i>Porphyromonas gingivalis</i> induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of junctional adhesion molecule 1. <i>PLoS Pathogens</i> , 2019, 15, e1008124.	4.7	42
51	Layer-by-layer assembly of nanofilms to control cell functions. <i>Polymer Chemistry</i> , 2019, 10, 2960-2974.	3.9	27
52	Extracellular Matrix Microfiber Papers for Constructing Multilayered 3D Composite Tissues. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5610-5614.	5.2	10
53	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.	2.3	4
54	Fabrication of Perfusable Pseudo Blood Vessels by Controlling Solâ€Gel Transition of Gellan Gum Templates. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5637-5643.	5.2	16

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55	3D collagen microfibers stimulate the functionality of preadipocytes and maintain the phenotype of mature adipocytes for long term cultures. <i>Acta Biomaterialia</i> , 2019, 84, 194-207.	8.3	56
56	Pancreatic stellate cells derived from human pancreatic cancer demonstrate aberrant SPARC-dependent ECM remodeling in 3D engineered fibrotic tissue of clinically relevant thickness. <i>Biomaterials</i> , 2019, 192, 355-367.	11.4	32
57	Dual-functional gelatin-capped silver nanoparticles for antibacterial and antiangiogenic treatment of bacterial keratitis. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 112-126.	9.4	59
58	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.	4.0	7
59	Fabrication Methods of Sustainable Hydrogels. , 2019, , 355-386.		5
60	Vascular Endothelial Growth Factor Incorporated Multilayer Film Induces Preangiogenesis in Endothelial Cells. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1833-1842.	5.2	8
61	Fabrication of engineered tubular tissue for small blood vessels via three-dimensional cellular assembly and organization ex vivo. <i>Journal of Biotechnology</i> , 2018, 276-277, 46-53.	3.8	5
62	Biofabrication: Development of Endothelial Cell Networks in 3D Tissues by Combination of Melt Electrospinning Writing with Cell Accumulation Technology (<i>Small</i> 2/2018). <i>Small</i> , 2018, 14, 1870010.	10.0	0
63	Seeing Elastin: A Near-Infrared Zwitterionic Fluorescent Probe for In Vivo Elastin Imaging. <i>CheM</i> , 2018, 4, 1128-1138.	11.7	28
64	Development of <i>In Vitro</i> 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.	2.1	88
65	Transplantation of artificial human lymphatic vascular tissues fabricated using a cell accumulation technique and their engraftment in mouse tissue with vascular remodelling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1501-e1510.	2.7	6
66	Aggregation-Induced Singlet Oxygen Generation: Functional Fluorophore and Anthrylphenylene Dyad Self-Assemblies. <i>Chemistry - A European Journal</i> , 2018, 24, 636-645.	3.3	29
67	One-step delivery of a functional multi-layered cell sheet using a thermally expandable hydrogel with controlled presentation of cell adhesive proteins. <i>Biofabrication</i> , 2018, 10, 025001.	7.1	12
68	Development of Endothelial Cell Networks in 3D Tissues by Combination of Melt Electrospinning Writing with Cell Accumulation Technology. <i>Small</i> , 2018, 14, 1701521.	10.0	38
69	Biomedical and Pharmaceutical Researches Using Bioprinting Technology. <i>Materia Japan</i> , 2018, 57, 164-168.	0.1	0
70	Bioinspired multilayer membranes as potential adhesive patches for skin wound healing. <i>Biomaterials Science</i> , 2018, 6, 1962-1975.	5.4	61
71	In Vitro 3D blood/lymph-vascularized human stromal tissues for preclinical assays of cancer metastasis. <i>Biomaterials</i> , 2018, 179, 144-155.	11.4	44
72	Multicellular spheroid based on a triple co-culture: A novel 3D model to mimic pancreatic tumor complexity. <i>Acta Biomaterialia</i> , 2018, 78, 296-307.	8.3	179

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73	Effect of deacetylation degree on controlled pilocarpine release from injectable chitosan-g-poly(N-isopropylacrylamide) carriers. Carbohydrate Polymers, 2018, 197, 375-384.	10.2	28
74	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
75	Desmoplastic Reaction in 3D Pancreatic Cancer Tissues Suppresses Molecular Permeability. Advanced Healthcare Materials, 2017, 6, 1700057.	7.6	19
76	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
77	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
78	Development of Full-Thickness Human Skin Equivalents with Blood and Lymph-like Capillary Networks by Cell Coating Technology. , 2017, , 345-362.		0
79	Super-Cationic Carbon Quantum Dots Synthesized from Spermidine as an Eye Drop Formulation for Topical Treatment of Bacterial Keratitis. ACS Nano, 2017, 11, 6703-6716.	14.6	325
80	High-Throughput Blood- and Lymph- Capillaries with Open-Ended Pores Which Allow the Transport of Drugs and Cells. Advanced Healthcare Materials, 2016, 5, 1969-1978.	7.6	18
81	Construction of Mouse Embryonic Cell-Derived 3D Pacemaker Tissues by Layer-by-Layer Nanofilm Coating. ChemNanoMat, 2016, 2, 466-471.	2.8	0
82	Use of Three-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
83	Use of Three-Dimensional Arterial Models To Predict the In Vivo Behavior of Nanoparticles for Drug Delivery. Angewandte Chemie, 2016, 128, 4537-4542.	2.0	1
84	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
85	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
86	Nanometer-sized extracellular matrix coating on polymer-based scaffold for tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2016, 104, 94-103.	4.0	32
87	Ultrastrong trapping of VEGF by graphene oxide: Anti-angiogenesis application. Biomaterials, 2016, 109, 12-22.	11.4	63
88	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
89	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
90	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

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91	Enhanced Thermal Stability of Polylactide by Terminal Conjugation Groups. <i>Journal of Electronic Materials</i> , 2016, 45, 2388-2394.	2.2	6
92	3D-cell assembly by control of cell surfaces. , 2015, , .		0
93	Fabrication of Cellâ€“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.	1.3	2
94	Evaluation system for mechanobiology of three-dimensional tissue multilayered in vitro. , 2015, , .		1
95	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, 363-369.	2.1	17
96	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	16
97	Cellâ€“Cell Crosslinking by Bioâ€“Molecular Recognition of Heparinâ€“Based Layerâ€“byâ€“Layer Nanofilms. <i>Macromolecular Bioscience</i> , 2015, 15, 312-317.	4.1	6
98	Dynamic Nanoâ€“Interfaces Enable Harvesting of Functional 3Dâ€“Engineered Tissues. <i>Advanced Healthcare Materials</i> , 2015, 4, 1164-1168.	7.6	10
99	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.	5.2	10
100	Control of Cellâ€“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.	5.2	13
101	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, 3386-3396.	4.0	70
102	Three-dimensional human arterial wall models for in vitro permeability assessment of drug and nanocarriers. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 392-397.	2.1	10
103	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, 1554-1564.	4.0	24
104	2C47 Fabrication of Small blood vessel using 3D Multilayer Assembly. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/J SME</i> , 2015, 2015.27, 427-428.	0.0	0
105	Ultrastructure of blood and lymphatic vascular networks in three-dimensional cultured tissues fabricated by extracellular matrix nanofilm-based cell accumulation technique. <i>Microscopy (Oxford)</i> Tj ETQq1 1 0.784314 rg80/Overl		35
106	Microfluidic perfusion culture system for multilayer artery tissue models. <i>Biomicrofluidics</i> , 2014, 8, 064113.	2.4	16
107	Circulatory culture system for elastic fiber development of tissue-engineered blood vessels. , 2014, , .		0
108	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	19

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109	Preparation of Biodegradable Peptide Nanospheres with Hetero PEG Brush Surfaces. <i>Macromolecular Bioscience</i> , 2014, 14, 142-150.	4.1	14
110	Secretions from placenta, after hypoxia/reoxygenation, can damage developing neurones of brain under experimental conditions. <i>Experimental Neurology</i> , 2014, 261, 386-395.	4.1	29
111	Effects of angiogenic factors and 3D-microenvironments on vascularization within sandwich cultures. <i>Biomaterials</i> , 2014, 35, 4739-4748.	11.4	84
112	Three-dimensional cell culture technique and pathophysiology. <i>Advanced Drug Delivery Reviews</i> , 2014, 74, 95-103.	13.7	86
113	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.	3.6	17
114	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, 107-111.	2.1	16
115	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.	0.8	21
116	Sustainable Release of Paclitaxel from Biodegradable Poly(β -glutamic acid) Nanoparticles for Treatment of Atherosclerosis. <i>Chemistry Letters</i> , 2014, 43, 1767-1769.	1.3	5
117	The Potential Use of Three-Dimensional Cellular Multilayers as a Blood Vessel Model. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 95-129.	0.2	0
118	Three-Dimensional Assembly of Multilayered Tissues. <i>Procedia CIRP</i> , 2013, 5, 201-204.	1.9	3
119	Three-Dimensional Human Tissue Chips Fabricated by Rapid and Automatic Inkjet Cell Printing. <i>Advanced Healthcare Materials</i> , 2013, 2, 534-539.	7.6	156
120	Multilayered Blood Capillary Analogs in Biodegradable Hydrogels for In Vitro Drug Permeability Assays. <i>Advanced Functional Materials</i> , 2013, 23, 1736-1742.	14.9	51
121	Fabrication of multilayer structured tubular tissue using water transfer printing. , 2013, , .		0
122	Fabrication of in vitro three-dimensional multilayered blood vessel model using human endothelial and smooth muscle cells and high-strength PEG hydrogel. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 231-234.	2.2	32
123	Survival and structural evaluations of three-dimensional tissues fabricated by the hierarchical cell manipulation technique. <i>Acta Biomaterialia</i> , 2013, 9, 4698-4706.	8.3	29
124	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, 7362-7368.	3.5	79
125	Tissue Engineering: Three-Dimensional Human Tissue Chips Fabricated by Rapid and Automatic Inkjet Cell Printing (<i>Adv. Healthcare Mater.</i> 4/2013). <i>Advanced Healthcare Materials</i> , 2013, 2, 533-533.	7.6	4
126	Safe Control of Construction-Deconstruction of High-density PEG Brushes on the Surface of Peptide Nanospheres by Thermally Induced Shrinkage of PEG-SS-PEG. <i>Chemistry Letters</i> , 2013, 42, 344-346.	1.3	3

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127	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
128	Three-Dimensional Assembly of Multilayered Tissues Using Water Transfer Printing. Journal of Robotics and Mechatronics, 2013, 25, 690-697.	1.0	5
129	Control of Cellular Inflammation by Layer-by-layer Nanofilms through Different Driving Forces. Chemistry Letters, 2012, 41, 523-524.	1.3	10
130	Development of Three-Dimensional Tissue Models Based on Hierarchical Cell Manipulation Using Nanofilms. Bulletin of the Chemical Society of Japan, 2012, 85, 401-414.	3.2	31
131	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
132	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
133	Formation of nanofilms on cell surfaces to improve the insertion efficiency of a nanoneedle into cells. Biochemical and Biophysical Research Communications, 2012, 420, 662-665.	2.1	10
134	Effect of Degree of Branching on Properties of Photosensitive Nanoparticles as Drug Delivery Carriers. Macromolecular Chemistry and Physics, 2012, 213, 2157-2164.	2.2	3
135	Investigation on thermoresponsive behavior of biodegradable poly(L-glutamic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Tj 4823-4828.	2.3	0
136	Improvement of Blood Compatibility on Polysulfone-Polyvinylpyrrolidone Blend Films as a Model Membrane of Dialyzer by Physical Adsorption of Recombinant Soluble Human Thrombomodulin (ART-123). Journal of Biomaterials Science, Polymer Edition, 2012, 23, 593-608.	3.5	4
137	In vitro reproduction of endochondral ossification using a 3D mesenchymal stem cell construct. Integrative Biology (United Kingdom), 2012, 4, 1207.	1.3	43
138	LbL Assemblies Using van der Waals or Affinity Interactions and Their Applications. , 2012, , 99-133.		2
139	Layer-by-Layer Assembly Through Weak Interactions and Their Biomedical Applications. Advanced Materials, 2012, 24, 454-474.	21.0	155
140	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
141	Photo-tunable protein release from biodegradable nanoparticles composed of cinnamic acid derivatives. Journal of Controlled Release, 2011, 149, 182-189.	9.9	37
142	Mechanism of high thermal stability of commercial polyesters and polyethers conjugated with bio-based caffeic acid. Journal of Polymer Science Part A, 2011, 49, 3152-3162.	2.3	17
143	Physical and Specific Crosslinking of Collagen Fibers by Supramolecular Nanogelators. Advanced Materials, 2011, 23, 2957-2961.	21.0	16
144	Rapid Construction of Three-Dimensional Multilayered Tissues with Endothelial Tube Networks by the Cell Accumulation Technique. Advanced Materials, 2011, 23, 3506-3510.	21.0	241

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145	Quantitative 3D Analysis of Nitric Oxide Diffusion in a 3D Artery Model Using Sensor Particles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7557-7561.	13.8	38
146	Anisotropic Mechanical Properties of Collagen Hydrogels Induced by Uniaxial-Flow for Ocular Applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 1427-1442.	3.5	23
147	Self-Assembled Structure of Peptide Nanospheres Induces High Stability against Hydrolysis and Sterilization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 1035-1048.	3.5	6
148	Biocompatible and Highly Sensitive Nitric Oxide Sensor Particles Prepared by Layer-by-layer Assembly. <i>Chemistry Letters</i> , 2010, 39, 42-43.	1.3	19
149	Preparation of Reduction-sensitive Nanogels with a Large Swelling Capacity by a Surfactant-free Precipitation Method. <i>Chemistry Letters</i> , 2010, 39, 1184-1185.	1.3	2
150	2P223 Effect of fibronectin thin film on insertion efficiency of a nanoneedle into culture cells(The Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
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