

Linda G Griffith

List of Publications by Year in descending order

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176
papers

23,353
citations

10373

72
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7944

149
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187
all docs

187
docs citations

187
times ranked

25054
citing authors

#	ARTICLE	IF	CITATIONS
1	A microenvironment-inspired synthetic three-dimensional model for pancreatic ductal adenocarcinoma organoids. <i>Nature Materials</i> , 2022, 21, 110-119.	13.3	79
2	Engineering Modular 3D Liver Culture Microenvironments In Vitro to Parse the Interplay between Biophysical and Biochemical Microenvironment Cues on Hepatic Phenotypes. <i>Advanced NanoBiomed Research</i> , 2022, 2, 2100049.	1.7	2
3	Endometrial cytokines in patients with and without endometriosis evaluated for infertility. <i>Fertility and Sterility</i> , 2022, 117, 629-640.	0.5	11
4	Synthetic extracellular matrices and astrocytes provide a supportive microenvironment for the cultivation and investigation of primary pediatric gliomas. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.4	3
5	The nuclear receptor THRβ facilitates differentiation of human PSCs into more mature hepatocytes. <i>Cell Stem Cell</i> , 2022, 29, 795-809.e11.	5.2	5
6	Flux-Biased, Energy-Efficient Electromagnetic Micropumps Utilizing Bistable Magnetic Latching and Energy-Storage Springs. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 2362-2372.	3.7	7
7	Novel Technology to Capture Objective Data from Patients's Recovery from Laparoscopic Endometriosis Surgery. <i>Journal of Minimally Invasive Gynecology</i> , 2021, 28, 325-331.	0.3	3
8	A modular polymer microbead angiogenesis scaffold to characterize the effects of adhesion ligand density on angiogenic sprouting. <i>Biomaterials</i> , 2021, 264, 120231.	5.7	11
9	Primary Human Colonic Mucosal Barrier Crosstalk with Super Oxygen-Sensitive <i>Faecalibacterium prausnitzii</i> in Continuous Culture. <i>Med</i> , 2021, 2, 74-98.e9.	2.2	55
10	Comparison of cytokines in the peritoneal fluid and conditioned medium of adolescents and adults with and without endometriosis. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13347.	1.2	5
11	Human physiometric model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. <i>Science Advances</i> , 2021, 7, .	4.7	73
12	Synergistic Action of Diclofenac with Endotoxin-Mediated Inflammation Exacerbates Intestinal Injury in Vitro. <i>ACS Infectious Diseases</i> , 2021, 7, 838-848.	1.8	0
13	IP-10 (CXCL10) Can Trigger Emergence of Dormant Breast Cancer Cells in a Metastatic Liver Microenvironment. <i>Frontiers in Oncology</i> , 2021, 11, 676135.	1.3	19
14	Coculture of primary human colon monolayer with human gut bacteria. <i>Nature Protocols</i> , 2021, 16, 3874-3900.	5.5	28
15	High resolution stereolithography fabrication of perfusable scaffolds to enable long-term meso-scale hepatic culture for disease modeling. <i>Biofabrication</i> , 2021, 13, 045024.	3.7	12
16	Engineering Helical Modular Polypeptide-Based Hydrogels as Synthetic Extracellular Matrices for Cell Culture. <i>Biomacromolecules</i> , 2020, 21, 566-580.	2.6	23
17	Endometrioma, the follicular fluid inflammatory network and its association with oocyte and embryo characteristics. <i>Reproductive BioMedicine Online</i> , 2020, 40, 399-408.	1.1	18
18	Menstruation: science and society. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 624-664.	0.7	149

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19	Physiomimetic Models of Adenomyosis. <i>Seminars in Reproductive Medicine</i> , 2020, 38, 179-196.	0.5	11
20	Fully synthetic matrices for in vitro culture of primary human intestinal enteroids and endometrial organoids. <i>Biomaterials</i> , 2020, 254, 120125.	5.7	106
21	Gut-Liver Physiomimetics Reveal Paradoxical Modulation of IBD-Related Inflammation by Short-Chain Fatty Acids. <i>Cell Systems</i> , 2020, 10, 223-239.e9.	2.9	115
22	Genetic circuit design automation for the gut resident species <i>Bacteroides thetaiotaomicron</i> . <i>Nature Biotechnology</i> , 2020, 38, 962-969.	9.4	79
23	Engineering PEG-based hydrogels to foster efficient endothelial network formation in free-swelling and confined microenvironments. <i>Biomaterials</i> , 2020, 243, 119921.	5.7	57
24	Application of a gut-immune co-culture system for the study of <i>N</i> -glycan-dependent host-pathogen interactions of <i>Campylobacter jejuni</i> . <i>Glycobiology</i> , 2020, 30, 374-381.	1.3	11
25	The Vaginal Microbiome as a Tool to Predict rASRM Stage of Disease in Endometriosis: a Pilot Study. <i>Reproductive Sciences</i> , 2020, 27, 1064-1073.	1.1	35
26	<i>Clostridioides difficile</i> -Associated Antibiotics Alter Human Mucosal Barrier Functions by Microbiome-Independent Mechanisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	7
27	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 365-394.	0.9	123
28	Development and Application of the Metalloprotease Activity Multiplexed Bead-Based Immunoassay (MAMBI). <i>Biochemistry</i> , 2019, 58, 3938-3942.	1.2	7
29	OrgaQuant: Human Intestinal Organoid Localization and Quantification Using Deep Convolutional Neural Networks. <i>Scientific Reports</i> , 2019, 9, 12479.	1.6	70
30	Analysis of an Integrated Human Multiorgan Microphysiological System for Combined Tolcapone Metabolism and Brain Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 8667-8675.	3.2	30
31	Quantitative Label-Free Imaging of 3D Vascular Networks Self-Assembled in Synthetic Hydrogels. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801186.	3.9	15
32	A Model of Dormant-Emergent Metastatic Breast Cancer Progression Enabling Exploration of Biomarker Signatures. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 619-630.	2.5	43
33	Liver "organ on a chip"™. <i>Experimental Cell Research</i> , 2018, 363, 15-25.	1.2	165
34	Interconnected Microphysiological Systems for Quantitative Biology and Pharmacology Studies. <i>Scientific Reports</i> , 2018, 8, 4530.	1.6	341
35	Perspective: The promise of multi-cellular engineered living systems. <i>APL Bioengineering</i> , 2018, 2, 040901.	3.3	110
36	Establishing quasi-steady state operations of microphysiological systems (MPS) using tissue-specific metabolic dependencies. <i>Scientific Reports</i> , 2018, 8, 8015.	1.6	19

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37	Chemoproteomics of matrix metalloproteases in a model of cartilage degeneration suggests functional biomarkers associated with posttraumatic osteoarthritis. <i>Journal of Biological Chemistry</i> , 2018, 293, 11459-11469.	1.6	14
38	PiFlow: A biocompatible low-cost programmable dynamic flow pumping system utilizing a Raspberry Pi Zero and commercial piezoelectric pumps. <i>HardwareX</i> , 2018, 4, e00034.	1.1	11
39	Folding artificial mucosa with cell-laden hydrogels guided by mechanics models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7503-7508.	3.3	60
40	ADAM10 Sheddase Activity is a Potential Lung-Cancer Biomarker. <i>Journal of Cancer</i> , 2018, 9, 2559-2570.	1.2	30
41	Research Priorities for Endometriosis: Recommendations From a Global Consortium of Investigators in Endometriosis. <i>Reproductive Sciences</i> , 2017, 24, 202-226.	1.1	124
42	Multi-functional scaling methodology for translational pharmacokinetic and pharmacodynamic applications using integrated microphysiological systems (MPS). <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 290-302.	0.6	58
43	A process engineering approach to increase organoid yield. <i>Development (Cambridge)</i> , 2017, 144, 1128-1136.	1.2	51
44	Peritoneal fluid cytokines related to endometriosis in patients evaluated for infertility. <i>Fertility and Sterility</i> , 2017, 107, 1191-1199.e2.	0.5	80
45	Integration of systems biology with organs-on-chips to humanize therapeutic development. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4
46	On-demand dissolution of modular, synthetic extracellular matrix reveals local epithelial-stromal communication networks. <i>Biomaterials</i> , 2017, 130, 90-103.	5.7	83
47	Quantitative Assessment of Population Variability in Hepatic Drug Metabolism Using a Perfused Three-Dimensional Human Liver Microphysiological System. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 360, 95-105.	1.3	98
48	Integrated Assessment of Diclofenac Biotransformation, Pharmacokinetics, and Omics-Based Toxicity in a Three-Dimensional Human Liver-Immunocompetent Coculture System. <i>Drug Metabolism and Disposition</i> , 2017, 45, 855-866.	1.7	56
49	Local remodeling of synthetic extracellular matrix microenvironments by co-cultured endometrial epithelial and stromal cells enables long-term dynamic physiological function. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 271-289.	0.6	72
50	Integrated gut/liver microphysiological systems elucidates inflammatory inter-tissue crosstalk. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2648-2659.	1.7	151
51	Integrated Gut and Liver Microphysiological Systems for Quantitative In Vitro Pharmacokinetic Studies. <i>AAPS Journal</i> , 2017, 19, 1499-1512.	2.2	177
52	Modification of proteolytic activity matrix analysis (PrAMA) to measure ADAM10 and ADAM17 sheddase activities in cell and tissue lysates. <i>Journal of Cancer</i> , 2017, 8, 3916-3932.	1.2	3
53	Engineering the Niche for Intestinal Regeneration. , 2017, , 601-615.		2
54	Liver metastases: Microenvironments and <i>ex-vivo</i> models. <i>Experimental Biology and Medicine</i> , 2016, 241, 1639-1652.	1.1	77

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55	Design Principles for SuCESsFul Biosensors: Specific Fluorophore/Analyte Binding and Minimization of Fluorophore/Scaffold Interactions. <i>Journal of Molecular Biology</i> , 2016, 428, 4228-4241.	2.0	11
56	Modeling Therapeutic Antibody–Small Molecule Drug-Drug Interactions Using a Three-Dimensional Perfusable Human Liver Coculture Platform. <i>Drug Metabolism and Disposition</i> , 2016, 44, 1940-1948.	1.7	78
57	Reduced Proteolytic Shedding of Receptor Tyrosine Kinases Is a Post-Translational Mechanism of Kinase Inhibitor Resistance. <i>Cancer Discovery</i> , 2016, 6, 382-399.	7.7	139
58	A mouse-human phase 1 co-clinical trial of a protease-activated fluorescent probe for imaging cancer. <i>Science Translational Medicine</i> , 2016, 8, 320ra4.	5.8	224
59	Genetically engineering self-organization of human pluripotent stem cells into a liver bud-like tissue using Gata6. <i>Nature Communications</i> , 2016, 7, 10243.	5.8	128
60	Targeting autocrine HB-EGF signaling with specific ADAM12 inhibition using recombinant ADAM12 prodomain. <i>Scientific Reports</i> , 2015, 5, 15150.	1.6	24
61	Tethering of Epidermal Growth Factor (EGF) to Beta Tricalcium Phosphate (β 2TCP) via Fusion to a High Affinity, Multimeric β 2TCP-Binding Peptide: Effects on Human Multipotent Stromal Cells/Connective Tissue Progenitors. <i>PLoS ONE</i> , 2015, 10, e0129600.	1.1	15
62	Metabolite Profiling and Pharmacokinetic Evaluation of Hydrocortisone in a Perfused Three-Dimensional Human Liver Bioreactor. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1091-1099.	1.7	76
63	Covalent Modification of Synthetic Hydrogels with Bioactive Proteins via Sortase-Mediated Ligation. <i>Biomacromolecules</i> , 2015, 16, 2316-2326.	2.6	88
64	Regenerating the cell resistance of micromolded PEG hydrogels. <i>Lab on A Chip</i> , 2015, 15, 2073-2089.	3.1	19
65	Photopatterning of hydrogel scaffolds coupled to filter materials using stereolithography for perfused 3D culture of hepatocytes. <i>Biotechnology and Bioengineering</i> , 2015, 112, 777-787.	1.7	67
66	Uncharged Helical Modular Polypeptide Hydrogels for Cellular Scaffolds. <i>Biomacromolecules</i> , 2015, 16, 3774-3783.	2.6	25
67	Human Vascular Tissue Models Formed from Human Induced Pluripotent Stem Cell Derived Endothelial Cells. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 511-525.	5.6	107
68	Molecular Network Analysis of Endometriosis Reveals a Role for c-Jun–Regulated Macrophage Activation. <i>Science Translational Medicine</i> , 2014, 6, 222ra16.	5.8	124
69	Enhanced ex vivo expansion of adult mesenchymal stem cells by fetal mesenchymal stem cell ECM. <i>Biomaterials</i> , 2014, 35, 4046-4057.	5.7	123
70	Co–regulation of primary mouse hepatocyte viability and function by oxygen and matrix. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1018-1027.	1.7	17
71	Engineering liver. <i>Hepatology</i> , 2014, 60, 1426-1434.	3.6	46
72	Bioreactor technologies to support liver function in vitro. <i>Advanced Drug Delivery Reviews</i> , 2014, 69-70, 132-157.	6.6	116

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73	Spontaneous dormancy of metastatic breast cancer cells in an all human liver microphysiologic system. <i>British Journal of Cancer</i> , 2014, 111, 2342-2350.	2.9	76
74	A microphysiological system model of therapy for liver micrometastases. <i>Experimental Biology and Medicine</i> , 2014, 239, 1170-1179.	1.1	48
75	Equilibrium and dynamic design principles for binding molecules engineered for reagentless biosensors. <i>Analytical Biochemistry</i> , 2014, 460, 9-15.	1.1	5
76	Approaches to in vitro tissue regeneration with application for human disease modeling and drug development. <i>Drug Discovery Today</i> , 2014, 19, 754-762.	3.2	39
77	Three dimensional human small intestine models for ADME-Tox studies. <i>Drug Discovery Today</i> , 2014, 19, 1587-1594.	3.2	36
78	Tailoring Chimeric Ligands for Studying and Biasing ErbB Receptor Family Interactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2662-2666.	7.2	23
79	A phase I study of the safety and activation of a cathepsin-activatable fluorescent cancer-specific probe LUM015.. <i>Journal of Clinical Oncology</i> , 2014, 32, TPS11135-TPS11135.	0.8	3
80	An Engineered Bivalent Neuregulin Protects Against Doxorubicin-Induced Cardiotoxicity With Reduced Proneoplastic Potential. <i>Circulation</i> , 2013, 128, 152-161.	1.6	84
81	Transport Models for Three-Dimensional Cell Culture Systems. , 2013, , 137-172.		0
82	Multiplexed Protease Activity Assay for Low-Volume Clinical Samples Using Droplet-Based Microfluidics and Its Application to Endometriosis. <i>Journal of the American Chemical Society</i> , 2013, 135, 1645-1648.	6.6	76
83	In vitro models for liver toxicity testing. <i>Toxicology Research</i> , 2013, 2, 23-39.	0.9	368
84	The Dormancy Dilemma: Quiescence versus Balanced Proliferation. <i>Cancer Research</i> , 2013, 73, 3811-3816.	0.4	76
85	ADAM-10 and -17 regulate endometriotic cell migration via concerted ligand and receptor shedding feedback on kinase signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2074-83.	3.3	80
86	Lipids promote survival, proliferation, and maintenance of differentiation of rat liver sinusoidal endothelial cells in vitro. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G375-G388.	1.6	25
87	Production of Reactive Oxygen Species by Multipotent Stromal Cells/Mesenchymal Stem Cells upon Exposure to Fas Ligand. <i>Cell Transplantation</i> , 2012, 21, 2171-2187.	1.2	42
88	Helix versus coil polypeptide macromers: gel networks with decoupled stiffness and permeability. <i>Soft Matter</i> , 2012, 8, 10887.	1.2	33
89	Dual Responsiveness of a Tunable Thermosensitive Polypeptide. <i>ACS Macro Letters</i> , 2012, 1, 727-731.	2.3	60
90	Multilayer thin-film coatings capable of extended programmable drug release: application to human mesenchymal stem cell differentiation. <i>Drug Delivery and Translational Research</i> , 2012, 2, 375-383.	3.0	18

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91	Intraoperative detection and removal of microscopic residual sarcoma using wide-field imaging. <i>Cancer</i> , 2012, 118, 5320-5330.	2.0	55
92	Interrogating Signaling Nodes Involved in Cellular Transformations Using Kinase Activity Probes. <i>Chemistry and Biology</i> , 2012, 19, 210-217.	6.2	35
93	Proteolytic Activity Matrix Analysis (PrAMA) for simultaneous determination of multiple protease activities. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 422-438.	0.6	77
94	Enhancing Protease Activity Assay in Droplet-Based Microfluidics Using a Biomolecule Concentrator. <i>Journal of the American Chemical Society</i> , 2011, 133, 10368-10371.	6.6	77
95	ADAM9 Inhibition Increases Membrane Activity of ADAM10 and Controls β -Secretase Processing of Amyloid Precursor Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 40443-40451.	1.6	54
96	Controlling multipotent stromal cell migration by integrating α -course-graining materials and β -fine-tuning small molecules via decision tree signal-response modeling. <i>Biomaterials</i> , 2011, 32, 7524-7531.	5.7	17
97	Marrow-Derived stem cell motility in 3D synthetic scaffold is governed by geometry along with adhesivity and stiffness. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1181-1193.	1.7	101
98	Autocrine-Controlled Formation and Function of Tissue-Like Aggregates by Primary Hepatocytes in Micropatterned Hydrogel Arrays. <i>Tissue Engineering - Part A</i> , 2011, 17, 1055-1068.	1.6	35
99	Transport and shear in a microfluidic membrane bilayer device for cell culture. <i>Biomicrofluidics</i> , 2011, 5, 22213.	1.2	25
100	Engineered Bivalent Ligands to Bias ErbB Receptor-mediated Signaling and Phenotypes. <i>Journal of Biological Chemistry</i> , 2011, 286, 27729-27740.	1.6	23
101	Synergistic effects of tethered growth factors and adhesion ligands on DNA synthesis and function of primary hepatocytes cultured on soft synthetic hydrogels. <i>Biomaterials</i> , 2010, 31, 4657-4671.	5.7	43
102	Perfused multiwell plate for 3D liver tissue engineering. <i>Lab on A Chip</i> , 2010, 10, 51-58.	3.1	388
103	Cytokine-associated drug toxicity in human hepatocytes is associated with signaling network dysregulation. <i>Molecular BioSystems</i> , 2010, 6, 1195.	2.9	55
104	Growth factor regulation of proliferation and survival of multipotential stromal cells. <i>Stem Cell Research and Therapy</i> , 2010, 1, 32.	2.4	237
105	A multipathway phosphoproteomic signaling network model of idiosyncratic drug- and inflammatory cytokine-induced toxicity in human hepatocytes. , 2009, 2009, 5452-5.		8
106	Transport-mediated angiogenesis in 3D epithelial coculture. <i>FASEB Journal</i> , 2009, 23, 2155-2164.	0.2	179
107	Three-kinase inhibitor combination recreates multipathway effects of a geldanamycin analogue on hepatocellular carcinoma cell death. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2183-2192.	1.9	18
108	Synergistic drug-cytokine induction of hepatocellular death as an in vitro approach for the study of inflammation-associated idiosyncratic drug hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2009, 237, 317-330.	1.3	127

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109	Functionalized self-assembling peptide hydrogel enhance maintenance of hepatocyte activity <i>in vitro</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3387-3397.	1.6	53
110	Sustained epidermal growth factor receptor levels and activation by tethered ligand binding enhances osteogenic differentiation of multipotent marrow stromal cells. <i>Journal of Cellular Physiology</i> , 2009, 221, 306-317.	2.0	64
111	The influence of tethered epidermal growth factor on connective tissue progenitor colony formation. <i>Biomaterials</i> , 2009, 30, 4629-4638.	5.7	35
112	Multipathway Kinase Signatures of Multipotent Stromal Cells Are Predictive for Osteogenic Differentiation. <i>Stem Cells</i> , 2009, 27, 2804-2814.	1.4	45
113	Liver tissue engineering in the evaluation of drug safety. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2009, 5, 1159-1174.	1.5	143
114	Fusing Tissue Engineering and Systems Biology Toward Fulfilling Their Promise. <i>Cellular and Molecular Bioengineering</i> , 2008, 1, 33-41.	1.0	21
115	Cell surface restriction of EGFR by a tenascin cytotactin-encoded EGF-like repeat is preferential for motility-related signaling. <i>Journal of Cellular Physiology</i> , 2008, 214, 504-512.	2.0	70
116	An inducible autocrine cascade regulates rat hepatocyte proliferation and apoptosis responses to tumor necrosis factor- α . <i>Hepatology</i> , 2008, 48, 276-288.	3.6	69
117	α 4 β 1 integrin and erythropoietin mediate temporally distinct steps in erythropoiesis: integrins in red cell development. <i>Journal of Cell Biology</i> , 2008, 181, 395-395.	2.3	2
118	Rat liver sinusoidal endothelial cells survive without exogenous VEGF in 3D perfused co-cultures with hepatocytes. <i>FASEB Journal</i> , 2007, 21, 2564-2579.	0.2	101
119	α 4 β 1 integrin and erythropoietin mediate temporally distinct steps in erythropoiesis: integrins in red cell development. <i>Journal of Cell Biology</i> , 2007, 177, 871-880.	2.3	84
120	Gene Delivery Properties of End-Modified Poly(β -amino ester)s. <i>Bioconjugate Chemistry</i> , 2007, 18, 1887-1896.	1.8	75
121	Interplay Between PEO Tether Length and Ligand Spacing Governs Cell Spreading on RGD-Modified PMMA-g-PEO Comb Copolymers. <i>Biomacromolecules</i> , 2007, 8, 3206-3213.	2.6	66
122	Design, modeling and fabrication of a constant flow pneumatic micropump. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 891-899.	1.5	76
123	Novel Three-Dimensional Organotypic Liver Bioreactor to Directly Visualize Early Events in Metastatic Progression. <i>Advances in Cancer Research</i> , 2007, 97, 225-246.	1.9	74
124	Combinatorial Modification of Degradable Polymers Enables Transfection of Human Cells Comparable to Adenovirus. <i>Advanced Materials</i> , 2007, 19, 2836-2842.	11.1	151
125	Formation of osteogenic colonies on well-defined adhesion peptides by freshly isolated human marrow cells. <i>Biomaterials</i> , 2007, 28, 1847-1861.	5.7	17
126	Tethered Epidermal Growth Factor Provides a Survival Advantage to Mesenchymal Stem Cells. <i>Stem Cells</i> , 2007, 25, 1241-1251.	1.4	258

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127	Chain Conformations at the Surface of a Polydisperse Amphiphilic Comb Copolymer Film. <i>Macromolecules</i> , 2006, 39, 5122-5126.	2.2	21
128	Functional modification of biodegradable polyesters through a chemoselective approach: application to biomaterial surfaces. <i>Polymer International</i> , 2006, 55, 1385-1397.	1.6	42
129	Capturing complex 3D tissue physiology in vitro. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 211-224.	16.1	2,002
130	Epidermal Growth Factor as a Candidate for Ex Vivo Expansion of Bone Marrow-Derived Mesenchymal Stem Cells. <i>Stem Cells</i> , 2006, 24, 686-695.	1.4	245
131	Macromonomer Purification Strategy for Well-Defined Polymer Amphiphiles Incorporating Poly(ethylene glycol) Monomethacrylate. <i>Macromolecular Rapid Communications</i> , 2006, 27, 631-636.	2.0	3
132	Targeting the Lymphotoxin- β Receptor with Agonist Antibodies as a Potential Cancer Therapy. <i>Cancer Research</i> , 2006, 66, 9617-9624.	0.4	95
133	Multiwell cell culture plate format with integrated microfluidic perfusion system. , 2006, 6112, 111.		1
134	Adenoviral vector saturates Akt pro-survival signaling and blocks insulin-mediated rescue of tumor-necrosis-factor-induced apoptosis. <i>Journal of Cell Science</i> , 2006, 119, 3788-3798.	1.2	21
135	Driving the Future of Dental Research. <i>Journal of Dental Research</i> , 2006, 85, 486-487.	2.5	6
136	A Microscale In Vitro Physiological Model of the Liver: Predictive Screens for Drug Metabolism and Enzyme Induction. <i>Current Drug Metabolism</i> , 2005, 6, 569-591.	0.7	292
137	Quantitative comparison of polyethylenimine formulations and adenoviral vectors in terms of intracellular gene delivery processes. <i>Gene Therapy</i> , 2005, 12, 1023-1032.	2.3	173
138	A Chemoselective Approach to Grafting Biodegradable Polyesters. <i>Macromolecules</i> , 2005, 38, 216-219.	2.2	61
139	Micromachined Bioreactor for in Vitro Cell Self-Assembly and 3D Tissue Formation. , 2004, , 319-346.		2
140	Extracellular matrix signaling through growth factor receptors during wound healing. <i>Wound Repair and Regeneration</i> , 2004, 12, 262-268.	1.5	155
141	Osteoblast response to PLGA tissue engineering scaffolds with PEO modified surface chemistries and demonstration of patterned cell response. <i>Biomaterials</i> , 2004, 25, 2819-2830.	5.7	101
142	Microfluidic Shear Devices for Quantitative Analysis of Cell Adhesion. <i>Analytical Chemistry</i> , 2004, 76, 5257-5264.	3.2	361
143	Micromachined Bioreactor for in Vitro Cell Self-Assembly and 3D Tissue Formation. , 2004, , 319-346.		1
144	ENGINEERING PRINCIPLES OF CLINICAL CELL-BASED TISSUE ENGINEERING. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 1541-1558.	1.4	732

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145	Role of Integrins in Adhesion of Hematopoietic Progenitor Cells.. Blood, 2004, 104, 4263-4263.	0.6	0
146	Clonal expansion of adult rat hepatic stem cell lines by suppression of asymmetric cell kinetics (SACK). Biotechnology and Bioengineering, 2003, 83, 760-771.	1.7	64
147	Functional Behavior of Primary Rat Liver Cells in a Three-Dimensional Perfused Microarray Bioreactor. Tissue Engineering, 2002, 8, 499-513.	4.9	221
148	Simulations of Cell-Surface Integrin Binding to Nanoscale-Clustered Adhesion Ligands. Biophysical Journal, 2002, 82, 120-132.	0.2	133
149	Tissue Engineering--Current Challenges and Expanding Opportunities. Science, 2002, 295, 1009-1014.	6.0	2,167
150	A microfabricated array bioreactor for perfused 3D liver culture. Biotechnology and Bioengineering, 2002, 78, 257-269.	1.7	441
151	Carbon dioxide extraction of residual chloroform from biodegradable polymers. Journal of Biomedical Materials Research Part B, 2002, 63, 567-576.	3.0	40
152	A three-dimensional osteochondral composite scaffold for articular cartilage repair. Biomaterials, 2002, 23, 4739-4751.	5.7	560
153	Emerging Design Principles in Biomaterials and Scaffolds for Tissue Engineering. Annals of the New York Academy of Sciences, 2002, 961, 83-95.	1.8	335
154	Co-regulation of cell adhesion by nanoscale RGD organization and mechanical stimulus. Journal of Cell Science, 2002, 115, 1423-1433.	1.2	368
155	Co-regulation of cell adhesion by nanoscale RGD organization and mechanical stimulus. Journal of Cell Science, 2002, 115, 1423-33.	1.2	282
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