

Max L Balter

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.

158
papers

7,034
citations

41
h-index

81
g-index

166
ext. papers

8,083
ext. citations

6.3
avg, IF

5.87
L-index

#	Paper	IF	Citations
158	Design and Evaluation of a Handheld Robotic Device for Peripheral Catheterization.. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2022 , 16, 021015	1.3	0
157	CYP450 drug inducibility in NAFLD via an in vitro hepatic model: Understanding drug-drug interactions in the fatty liver.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 146, 112377	7.5	0
156	Human-Origin iPSC-Based Recellularization of Decellularized Whole Rat Livers. <i>Bioengineering</i> , 2022 , 9, 219	5.3	1
155	Liver donor age affects hepatocyte function through age-dependent changes in decellularized liver matrix. <i>Biomaterials</i> , 2021 , 270, 120689	15.6	7
154	Self-assembled elastin-like polypeptide fusion protein coacervates as competitive inhibitors of advanced glycation end-products enhance diabetic wound healing. <i>Journal of Controlled Release</i> , 2021 , 333, 176-187	11.7	7
153	Development of liver microtissues with functional biliary ductular network. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 17-29	4.9	4
152	Advanced technologies for the preservation of mammalian biospecimens. <i>Nature Biomedical Engineering</i> , 2021 , 5, 793-804	19	4
151	Autofluorescence of blood and its application in biomedical and clinical research. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 4550-4576	4.9	1
150	HSymM-guided engineering of the immunodominant p53 transactivation domain putative peptide antigen for improved binding to its anti-p53 monoclonal antibody. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 51, 128341	2.9	
149	Anti-inflammatory effects of haptoglobin on LPS-stimulated macrophages: Role of HMGB1 signaling and implications in chronic wound healing. <i>Wound Repair and Regeneration</i> , 2020 , 28, 493-505	3.6	4
148	Hepatic gap junctions amplify alcohol liver injury by propagating cGAS-mediated IRF3 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11667-11673	11.5	23
147	Differential Cell Death and Regrowth of Dermal Fibroblasts and Keratinocytes After Application of Pulsed Electric Fields. <i>Bioelectricity</i> , 2020 , 2, 175-185	2	2
146	Deep learning robotic guidance for autonomous vascular access. <i>Nature Machine Intelligence</i> , 2020 , 2, 104-115	22.5	31
145	A comparison of hepato-cellular in vitro platforms to study CYP3A4 induction. <i>PLoS ONE</i> , 2020 , 15, e0229106	3.7	9
144	Multi-layer stackable tissue culture platform for 3D co-culture 2020 , 08, 37-49		
143	Progressive hypoxia-on-a-chip: An in vitro oxygen gradient model for capturing the effects of hypoxia on primary hepatocytes in health and disease. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 763-775	4.9	19
142	Deep-supercooling for extended preservation of adipose-derived stem cells. <i>Cryobiology</i> , 2020 , 92, 67-75.	7.7	9

141	Tissue scaffolds functionalized with therapeutic elastin-like biopolymer particles. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1575-1583	4.9	4
140	A protein interaction free energy model based on amino acid residue contributions: Assessment of point mutation stability of T4 lysozyme. <i>Technology</i> , 2019 , 7, 12-39	3	2
139	Repopulation of intrahepatic bile ducts in engineered rat liver grafts. <i>Technology</i> , 2019 , 7, 46-55	3	7
138	Dynamin and reverse-mode sodium calcium exchanger blockade confers neuroprotection from diffuse axonal injury. <i>Cell Death and Disease</i> , 2019 , 10, 727	9.8	10
137	Mouse Model of Pressure Ulcers After Spinal Cord Injury. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	2
136	A microfluidic 3D hepatocyte chip for hepatotoxicity testing of nanoparticles. <i>Nanomedicine</i> , 2019 , 14, 2209-2226	5.6	20
135	Rapid maturation of the hepatic cell line Huh7 via CDK inhibition for PXR dependent CYP450 metabolism and induction. <i>Scientific Reports</i> , 2019 , 9, 15848	4.9	2
134	Macrophage modulation by polymerized hemoglobins: Potential as a wound-healing therapy 2019 , 07, 84-97		
133	First-in-human evaluation of a hand-held automated venipuncture device for rapid venous blood draws. <i>Technology</i> , 2019 , 7, 98-107	3	17
132	Oxygenated UW Solution Decreases ATP Decay and Improves Survival After Transplantation of DCD Liver Grafts. <i>Transplantation</i> , 2019 , 103, 363-370	1.8	8
131	Gut Microbiota-Derived Tryptophan Metabolites Modulate Inflammatory Response in Hepatocytes and Macrophages. <i>Cell Reports</i> , 2018 , 23, 1099-1111	10.6	222
130	Microfluidic platforms for the study of neuronal injury in vitro. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 815-830	4.9	23
129	Microfluidic flow cytometry: The role of microfabrication methodologies, performance and functional specification. <i>Technology</i> , 2018 , 6, 1-23	3	23
128	Skin regeneration with all accessory organs following ablation with irreversible electroporation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 98-113	4.4	16
127	Live cell imaging of cytosolic NADH/NAD ratio in hepatocytes and liver slices. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, G97-G108	5.1	8
126	Improving functional re-endothelialization of acellular liver scaffold using REDV cell-binding domain. <i>Acta Biomaterialia</i> , 2018 , 78, 151-164	10.8	39
125	Long-term deep-supercooling of large-volume water and red cell suspensions via surface sealing with immiscible liquids. <i>Nature Communications</i> , 2018 , 9, 3201	17.4	41
124	Metabolic Patterning on a Chip: Towards in vitro Liver Zonation of Primary Rat and Human Hepatocytes. <i>Scientific Reports</i> , 2018 , 8, 8951	4.9	50

123	Impact of Complete Spinal Cord Injury on Healing of Skin Ulcers in Mouse Models. <i>Journal of Neurotrauma</i> , 2018 , 35, 815-824	5.4	6
122	Decellularized human liver extracellular matrix (hDLM)-mediated hepatic differentiation of human induced pluripotent stem cells (hiPSCs). <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1962-e1973	4.4	37
121	The growing role of precision and personalized medicine for cancer treatment. <i>Technology</i> , 2018 , 6, 79-100	103	
120	Automated end-to-end blood testing at the point-of-care: Integration of robotic phlebotomy with downstream sample processing. <i>Technology</i> , 2018 , 6, 59-66	3	10
119	Rejuvenation of aged rat skin with pulsed electric fields. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 2309-2318	4.4	5
118	Dose-, treatment- and time-dependent toxicity of superparamagnetic iron oxide nanoparticles on primary rat hepatocytes. <i>Nanomedicine</i> , 2018 , 13, 1267-1284	5.6	19
117	Adaptive Kinematic Control of a Robotic Venipuncture Device Based on Stereo Vision, Ultrasound, and Force Guidance. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1626-1635	8.9	33
116	CFD assessment of the effect of convective mass transport on the intracellular clearance of intracellular triglycerides in macrosteatotic hepatocytes. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017 , 16, 1095-1102	3.8	5
115	Regulation of Energy Homeostasis After Gastric Bypass Surgery. <i>Annual Review of Biomedical Engineering</i> , 2017 , 19, 459-484	12	5
114	Prostaglandin E Produced by Alginate-Encapsulated Mesenchymal Stromal Cells Modulates the Astrocyte Inflammatory Response. <i>Nano LIFE</i> , 2017 , 7,	0.9	4
113	Design and Evaluation of a Robotic Device for Automated Tail Vein Cannulations in Rodent Models. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2017 , 11, 0410081-410087	1.3	1
112	Co-delivery of a growth factor and a tissue-protective molecule using elastin biopolymers accelerates wound healing in diabetic mice. <i>Biomaterials</i> , 2017 , 141, 149-160	15.6	57
111	Stromal Cell-Derived Growth Factor-1 Alpha-Elastin Like Peptide Fusion Protein Promotes Cell Migration and Revascularization of Experimental Wounds in Diabetic Mice. <i>Advances in Wound Care</i> , 2017 , 6, 10-22	4.8	12
110	Discarded Livers Find a New Life: Engineered Liver Grafts Using Hepatocytes Recovered From Marginal Livers. <i>Artificial Organs</i> , 2017 , 41, 579-585	2.6	8
109	Metabolomic Modularity Analysis (MMA) to Quantify Human Liver Perfusion Dynamics. <i>Metabolites</i> , 2017 , 7,	5.6	6
108	Proteomic analysis of naturally-sourced biological scaffolds. <i>Biomaterials</i> , 2016 , 75, 37-46	15.6	85
107	Exposure to human immunodeficiency virus/hepatitis C virus in hepatic and stellate cell lines reveals cooperative profibrotic transcriptional activation between viruses and cell types. <i>Hepatology</i> , 2016 , 64, 1951-1968	11.2	25
106	Preventing Scars after Injury with Partial Irreversible Electroporation. <i>Journal of Investigative Dermatology</i> , 2016 , 136, 2297-2304	4.3	16

105	Isolation and co-culture of rat parenchymal and non-parenchymal liver cells to evaluate cellular interactions and response. <i>Scientific Reports</i> , 2016 , 6, 25329	4.9	66
104	Differential Leukocyte Counting via Fluorescent Detection and Image Processing on a Centrifugal Microfluidic Platform. <i>Analytical Methods</i> , 2016 , 8, 8272-8279	3.2	4
103	Eradication of multidrug-resistant pseudomonas biofilm with pulsed electric fields. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 643-650	4.9	45
102	Single-step electrical field strength screening to determine electroporation induced transmembrane transport parameters. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 2041-2049	3.8	7
101	Functionalized Biopolymer Particles Enhance Performance of a Tissue-Protective Peptide under Proteolytic and Thermal Stress. <i>Biomacromolecules</i> , 2016 , 17, 2073-9	6.9	5
100	Developing the World's First Portable Medical Robot for Autonomous Venipuncture [Industrial Activities]. <i>IEEE Robotics and Automation Magazine</i> , 2016 , 23, 10-11	3.4	1
99	A Novel Resolvin-Based Strategy for Limiting Acetaminophen Hepatotoxicity. <i>Clinical and Translational Gastroenterology</i> , 2016 , 7, e153	4.2	20
98	Development of a Microsphere-Based System to Facilitate Real-Time Insulin Monitoring. <i>Journal of Diabetes Science and Technology</i> , 2016 , 10, 689-96	4.1	3
97	Rat liver regeneration following ablation with irreversible electroporation. <i>PeerJ</i> , 2016 , 4, e1571	3.1	25
96	3D Near Infrared and Ultrasound Imaging of Peripheral Blood Vessels for Real-Time Localization and Needle Guidance. <i>Lecture Notes in Computer Science</i> , 2016 , 9902, 388-396	0.9	9
95	Metabolic Flux Distribution during Defatting of Steatotic Human Hepatoma (HepG2) Cells. <i>Metabolites</i> , 2016 , 6,	5.6	37
94	Elastin-like polypeptides: A strategic fusion partner for biologics. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1617-27	4.9	46
93	A Microfabricated Platform for Generating Physiologically-Relevant Hepatocyte Zonation. <i>Scientific Reports</i> , 2016 , 6, 26868	4.9	39
92	System Design and Development of a Robotic Device for Automated Venipuncture and Diagnostic Blood Cell Analysis. <i>IEEE International Conference on Intelligent Robots and Systems</i> , 2016 , 2016, 514-520	0.6	5
91	Multilayered tissue mimicking skin and vessel phantoms with tunable mechanical, optical, and acoustic properties. <i>Medical Physics</i> , 2016 , 43, 3117-3131	4.4	47
90	New technologies in drug metabolism and toxicity screening: organ-to-organ interaction. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016 , 12, 475-7	5.5	14
89	The development and characterization of SDF1 β -elastin-like-peptide nanoparticles for wound healing. <i>Journal of Controlled Release</i> , 2016 , 232, 238-47	11.7	41
88	Nanolayered siRNA delivery platforms for local silencing of CTGF reduce cutaneous scar contraction in third-degree burns. <i>Biomaterials</i> , 2016 , 95, 22-34	15.6	32

87	Nondestructive Methods for Monitoring Cell Removal During Rat Liver Decellularization. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 671-8	2.9	26
86	PPAR Agonists and 3D Alginate Encapsulation Accelerate Oligodendrocyte Differentiation of Mouse Embryonic Stem Cells. <i>Nano LIFE</i> , 2016 , 06, 1650003	0.9	1
85	Surgical models of Roux-en-Y gastric bypass surgery and sleeve gastrectomy in rats and mice. <i>Nature Protocols</i> , 2015 , 10, 495-507	18.8	48
84	Machine perfusion enhances hepatocyte isolation yields from ischemic livers. <i>Cryobiology</i> , 2015 , 71, 244-55	5.5	5
83	Skin rejuvenation with non-invasive pulsed electric fields. <i>Scientific Reports</i> , 2015 , 5, 10187	4.9	32
82	Hepatic Injury in Nonalcoholic Steatohepatitis Contributes to Altered Intestinal Permeability. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015 , 1, 222-232	7.9	147
81	A novel low-volume two-chamber microfabricated platform for evaluating drug metabolism and toxicity. <i>Technology</i> , 2015 , 3, 155-162	3	9
80	The System Design and Evaluation of a 7-DOF Image-Guided Venipuncture Robot. <i>IEEE Transactions on Robotics</i> , 2015 , 31, 1044-1053	6.5	18
79	Alginate micro-encapsulation of mesenchymal stromal cells enhances modulation of the neuro-inflammatory response. <i>Cytotherapy</i> , 2015 , 17, 1353-64	4.8	40
78	Development of a low-volume, highly sensitive microimmunoassay using computational fluid dynamics-driven multiobjective optimization. <i>Microfluidics and Nanofluidics</i> , 2015 , 18, 199-214	2.8	4
77	Sizes and Sufficient Quantities of MSC Microspheres for Intrathecal Injection to Modulate Inflammation in Spinal Cord Injury. <i>Nano LIFE</i> , 2015 , 5,	0.9	5
76	Real-time Needle Steering in Response to Rolling Vein Deformation by a 9-DOF Image-Guided Autonomous Venipuncture Robot. <i>IEEE International Conference on Intelligent Robots and Systems</i> , 2015 , 2015, 2633-2638	0.6	13
75	Tissue heterogeneity in structure and conductivity contribute to cell survival during irreversible electroporation ablation by "electric field sinks". <i>Scientific Reports</i> , 2015 , 5, 8485	4.9	65
74	Layer-by-layer Collagen Deposition in Microfluidic Devices for Microtissue Stabilization. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	3
73	Identification of IL-1 β and LPS as optimal activators of monolayer and alginate-encapsulated mesenchymal stromal cell immunomodulation using design of experiments and statistical methods. <i>Biotechnology Progress</i> , 2015 , 31, 1058-70	2.8	18
72	The Role of CHI3L1 (Chitinase-3-Like-1) in the Pathogenesis of Infections in Burns in a Mouse Model. <i>PLoS ONE</i> , 2015 , 10, e0140440	3.7	11
71	Supercooling preservation and transplantation of the rat liver. <i>Nature Protocols</i> , 2015 , 10, 484-94	18.8	44
70	Layer-by-layer heparinization of decellularized liver matrices to reduce thrombogenicity of tissue engineered grafts. <i>Journal of Clinical and Translational Research</i> , 2015 , 1, 48-56	1.1	17

69	Predictivity of dog co-culture model, primary human hepatocytes and HepG2 cells for the detection of hepatotoxic drugs in humans. <i>Toxicology and Applied Pharmacology</i> , 2014 , 275, 44-61	4.6	49
68	Microfluidic Isolation of CD34-Positive Skin Cells Enables Regeneration of Hair and Sebaceous Glands In Vivo. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1354-62	6.9	9
67	Electroporation-based technologies for medicine: principles, applications, and challenges. <i>Annual Review of Biomedical Engineering</i> , 2014 , 16, 295-320	12	466
66	Supercooling enables long-term transplantation survival following 4 days of liver preservation. <i>Nature Medicine</i> , 2014 , 20, 790-3	50.5	109
65	Cloud-enabled microscopy and droplet microfluidic platform for specific detection of Escherichia coli in water. <i>PLoS ONE</i> , 2014 , 9, e86341	3.7	40
64	Pharmacokinetics of natural and engineered secreted factors delivered by mesenchymal stromal cells. <i>PLoS ONE</i> , 2014 , 9, e89882	3.7	23
63	Resolving cancer-stroma interfacial signalling and interventions with micropatterned tumour-stromal assays. <i>Nature Communications</i> , 2014 , 5, 5662	17.4	36
62	Efficient Procedure and Methods to Determine Critical Electroporation Parameters 2014 ,		4
61	Enriched protein screening of human bone marrow mesenchymal stromal cell secretions reveals MFAP5 and PENK as novel IL-10 modulators. <i>Molecular Therapy</i> , 2014 , 22, 999-1007	11.7	28
60	Proposed design of distributed macroalgal biorefineries: thermodynamics, bioconversion technology, and sustainability implications for developing economies. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 67-82	5.3	48
59	Picoliter droplet microfluidic immunosorbent platform for point-of-care diagnostics of tetanus. <i>Mikrochimica Acta</i> , 2013 , 180, 855-860	5.8	14
58	Microdevice integrating innate and adaptive immune responses associated with antigen presentation by dendritic cells. <i>RSC Advances</i> , 2013 , 3, 16002-16010	3.7	14
57	SIMPLE MACHINE PERFUSION SIGNIFICANTLY ENHANCES HEPATOCYTE YIELDS OF ISCHEMIC AND FRESH RAT LIVERS. <i>Cell Medicine</i> , 2013 , 4, 109-123	4.9	13
56	Perspectives on Non-Animal Alternatives for Assessing Sensitization Potential in Allergic Contact Dermatitis. <i>Cellular and Molecular Bioengineering</i> , 2012 , 5, 52-72	3.9	8
55	Development of Metabolic Indicators of Burn Injury: Very Low Density Lipoprotein (VLDL) and Acetoacetate Are Highly Correlated to Severity of Burn Injury in Rats. <i>Metabolites</i> , 2012 , 2, 458-78	5.6	5
54	Nanoporous Gold: A Biomaterial for Microfabricated Drug-Delivery Platforms. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1415, 48		
53	ANALYSIS OF DENDRITIC CELL STIMULATION UTILIZING A MULTI-FACETED NANOPOLYMER DELIVERY SYSTEM AND THE IMMUNE MODULATOR 1-METHYL TRYPTOPHAN. <i>Nano LIFE</i> , 2010 , 1, 239-250	8.9	1
52	Low Power Laser Irradiation Stimulates the Proliferation of Adult Human Retinal Pigment Epithelial Cells in Culture. <i>Cellular and Molecular Bioengineering</i> , 2009 , 2, 87-103	3.9	4

51	Living-cell microarrays. <i>Annual Review of Biomedical Engineering</i> , 2009 , 11, 235-57	12	117
50	Reply:. <i>Hepatology</i> , 2008 , 47, 2142-2143	11.2	
49	Antibody-targeted Photolysis. <i>Annals of the New York Academy of Sciences</i> , 2006 , 745, 297-320	6.5	8
48	Microchannel bioreactors for bioartificial liver support. <i>Microfluidics and Nanofluidics</i> , 2006 , 2, 525-535	2.8	6
47	Metabolic engineering: advances in modeling and intervention in health and disease. <i>Annual Review of Biomedical Engineering</i> , 2003 , 5, 349-81	12	56
46	Advances in proteomic technologies. <i>Annual Review of Biomedical Engineering</i> , 2002 , 4, 349-73	12	88
45	In vitro and in vivo evaluation of albumin synthesis rate of porcine hepatocytes in a flat-plate bioreactor. <i>Artificial Organs</i> , 2001 , 25, 571-8	2.6	29
44	Effects of oxygenation and flow on the viability and function of rat hepatocytes cocultured in a microchannel flat-plate bioreactor. <i>Biotechnology and Bioengineering</i> , 2001 , 73, 379-89	4.9	276
43	A fulminant hepatic failure model in the rat: involvement of interleukin-1beta and tumor necrosis factor-alpha. <i>Digestive Diseases and Sciences</i> , 2001 , 46, 1700-8	4	36
42	Analysis of oxygen transport to hepatocytes in a flat-plate microchannel bioreactor. <i>Annals of Biomedical Engineering</i> , 2001 , 29, 947-55	4.7	60
41	Intrahepatic amino acid and glucose metabolism in a D-galactosamine-induced rat liver failure model. <i>Hepatology</i> , 2001 , 34, 360-71	11.2	55
40	Keratinocyte growth factor induces hyperproliferation and delays differentiation in a skin equivalent model system. <i>FASEB Journal</i> , 2001 , 15, 898-906	0.9	118
39	Complexation of retrovirus with cationic and anionic polymers increases the efficiency of gene transfer. <i>Human Gene Therapy</i> , 2001 , 12, 1611-21	4.8	61
38	Keratinocyte growth factor induces hyperproliferation and delays differentiation in a skin equivalent model system. <i>FASEB Journal</i> , 2001 , 15, 898-906	0.9	25
37	Analysis of Electrostatic Effects on the Success of Retroviral-Mediated Gene Delivery. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 662, 1		
36	Toward a more accurate quantitation of the activity of recombinant retroviruses: alternatives to titer and multiplicity of infection. <i>Journal of Virology</i> , 2000 , 74, 3431-9	6.6	50
35	Nucleic acid biotechnology. <i>Annual Review of Biomedical Engineering</i> , 1999 , 1, 265-97	12	39
34	Large-scale processing of recombinant retroviruses for gene therapy. <i>Biotechnology Progress</i> , 1999 , 15, 1-11	2.8	81

33	Differential inhibition of retrovirus transduction by proteoglycans and free glycosaminoglycans. <i>Biotechnology Progress</i> , 1999 , 15, 397-406	2.8	23
32	Kinetics of retrovirus production and decay 1999 , 63, 654-662		74
31	Prediction of antisense oligonucleotide binding affinity to a structured RNA target. <i>Biotechnology and Bioengineering</i> , 1999 , 65, 1-9	4.9	36
30	Kinetics of retrovirus production and decay 1999 , 63, 654		2
29	Pressure-induced dissociation of antigen-antibody complexes. <i>Biotechnology Progress</i> , 1998 , 14, 773-81	2.8	15
28	Interaction between heat shock and interleukin 6 stimulation in the acute-phase response of human hepatoma (HepG2) cells. <i>Hepatology</i> , 1998 , 28, 994-1004	11.2	10
27	Removal of proteoglycans increases efficiency of retroviral gene transfer 1998 , 58, 23-34		28
26	Metabolic effects of stress mediators on cultured hepatocytes 1998 , 58, 222-230		21
25	Correction for label leakage in fluorimetric assays of cell adhesion. <i>BioTechniques</i> , 1997 , 23, 1056-60	2.5	5
24	Metabolic engineering and human disease. <i>Nature Biotechnology</i> , 1997 , 15, 525-8	44.5	22
23	Control of hypertrophic scar growth using selective photothermolysis. <i>Lasers in Surgery and Medicine</i> , 1997 , 21, 7-12	3.6	92
22	Controlling cell interactions by micropatterning in co-cultures: hepatocytes and 3T3 fibroblasts. <i>Journal of Biomedical Materials Research Part B</i> , 1997 , 34, 189-99		436
21	Cell-cell interactions are essential for maintenance of hepatocyte function in collagen gel but not on matrigel. <i>Biotechnology and Bioengineering</i> , 1997 , 56, 706-11	4.9	54
20	Cell-cell interactions are essential for maintenance of hepatocyte function in collagen gel but not on matrigel 1997 , 56, 706		9
19	Controlling cell interactions by micropatterning in co-cultures: Hepatocytes and 3T3 fibroblasts 1997 , 34, 189		1
18	Controlling cell interactions by micropatterning in co-cultures: Hepatocytes and 3T3 fibroblasts 1997 , 34, 189		1
17	Effect of extracellular matrix topology on cell structure, function, and physiological responsiveness: hepatocytes cultured in a sandwich configuration. <i>FASEB Journal</i> , 1996 , 10, 1471-84	0.9	343
16	Enhanced function of cultured epithelium by genetic modification: Cell-based synthesis and delivery of growth factors. <i>Biotechnology and Bioengineering</i> , 1996 , 52, 15-23	4.9	11

15	Engineering organ perfusion protocols: NMR analysis of hepatocyte isolation from perfused rat liver. <i>Biotechnology and Bioengineering</i> , 1994 , 43, 661-72	4.9	1
14	Antibody-targeted photolysis of bacteria in vivo. <i>Nature Biotechnology</i> , 1994 , 12, 703-6	44.5	41
13	A device to measure the oxygen uptake rate of attached cells: importance in bioartificial organ design. <i>Cell Transplantation</i> , 1994 , 3, 515-27	4	93
12	Proline-mediated enhancement of hepatocyte function in a collagen gel sandwich culture configuration. <i>FASEB Journal</i> , 1993 , 7, 586-91	0.9	49
11	Optimization of hepatocyte attachment to microcarriers: Importance of oxygen. <i>Biotechnology and Bioengineering</i> , 1993 , 42, 579-88	4.9	34
10	Long-term functional recovery of hepatocytes after cryopreservation in a three-dimensional culture configuration. <i>Cell Transplantation</i> , 1992 , 1, 281-92	4	54
9	Antibody-targeted photolysis: in vitro immunological, photophysical, and cytotoxic properties of monoclonal antibody-dextran-Sn(IV) chlorin e6 immunoconjugates. <i>Biotechnology Progress</i> , 1992 , 8, 30-9 ^{2.8}		28
8	A stable long-term hepatocyte culture system for studies of physiologic processes: cytokine stimulation of the acute phase response in rat and human hepatocytes. <i>Biotechnology Progress</i> , 1992 , 8, 219-25	2.8	73
7	The importance of proline on long-term hepatocyte function in a collagen gel sandwich configuration: regulation of protein secretion. <i>Biotechnology and Bioengineering</i> , 1992 , 40, 298-305	4.9	27
6	Oxygen uptake rates in cultured rat hepatocytes. <i>Biotechnology and Bioengineering</i> , 1992 , 40, 1286-91	4.9	123
5	Long-term in vitro function of adult hepatocytes in a collagen sandwich configuration. <i>Biotechnology Progress</i> , 1991 , 7, 237-45	2.8	594
4	A microperfusion system with environmental control for studying insulin secretion by pancreatic tissue. <i>Biotechnology Progress</i> , 1991 , 7, 359-68	2.8	32
3	Penetration of tumor tissue by antibodies and other immunoproteins. <i>Annals of the New York Academy of Sciences</i> , 1991 , 618, 367-82	6.5	37
2	Antibody-targeted photolysis. Bacteriocidal effects of Sn (IV) chlorin e6-dextran-monoclonal antibody conjugates. <i>Annals of the New York Academy of Sciences</i> , 1991 , 618, 383-93	6.5	26
1	Hepatocyte function and extracellular matrix geometry: long-term culture in a sandwich configuration. <i>FASEB Journal</i> , 1989 , 3, 174-7	0.9	658