

# Max L Balter

## List of Publications by Year in descending order

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162  
papers

9,082  
citations

50276

46  
h-index

46799

89  
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166  
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166  
docs citations

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times ranked

9925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Elastin-Like Polypeptide Fusion Protein Coacervates Inhibit Receptor-Mediated Proinflammatory Signals and Promote Angiogenesis in Mouse Diabetic Wounds. <i>Advances in Wound Care</i> , 2023, 12, 241-255.	5.1	4
2	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.	5.6	11
3	Design and Evaluation of a Handheld Robotic Device for Peripheral Catheterization. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2022, 16, 021015.	0.7	6
4	Human-Origin iPSC-Based Recellularization of Decellularized Whole Rat Livers. <i>Bioengineering</i> , 2022, 9, 219.	3.5	10
5	Development of liver microtissues with functional biliary ductular network. <i>Biotechnology and Bioengineering</i> , 2021, 118, 17-29.	3.3	9
6	Liver donor age affects hepatocyte function through age-dependent changes in decellularized liver matrix. <i>Biomaterials</i> , 2021, 270, 120689.	11.4	19
7	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.	9.9	23
8	Advanced technologies for the preservation of mammalian biospecimens. <i>Nature Biomedical Engineering</i> , 2021, 5, 793-804.	22.5	23
9	Autofluorescence of blood and its application in biomedical and clinical research. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4550-4576.	3.3	27
10	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.	2.2	0
11	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.	3.3	36
12	Deep-supercooling for extended preservation of adipose-derived stem cells. <i>Cryobiology</i> , 2020, 92, 67-75.	0.7	17
13	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.	3.0	15
14	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.	7.1	50
15	Differential Cell Death and Regrowth of Dermal Fibroblasts and Keratinocytes After Application of Pulsed Electric Fields. <i>Bioelectricity</i> , 2020, 2, 175-185.	1.1	5
16	Deep learning robotic guidance for autonomous vascular access. <i>Nature Machine Intelligence</i> , 2020, 2, 104-115.	16.0	84
17	A comparison of hepato-cellular in vitro platforms to study CYP3A4 induction. <i>PLoS ONE</i> , 2020, 15, e0229106.	2.5	14
18	Tissue scaffolds functionalized with therapeutic elastin-like biopolymer particles. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1575-1583.	3.3	6

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19	Multi-layer stackable tissue culture platform for 3D co-culture. Technology, 2020, 08, 37-49.	1.4	0
20	A microfluidic 3D hepatocyte chip for hepatotoxicity testing of nanoparticles. Nanomedicine, 2019, 14, 2209-2226.	3.3	30
21	Rapid maturation of the hepatic cell line Huh7 via CDK inhibition for PXR dependent CYP450 metabolism and induction. Scientific Reports, 2019, 9, 15848.	3.3	7
22	A protein interaction free energy model based on amino acid residue contributions: Assessment of point mutation stability of T4 lysozyme. Technology, 2019, 07, 12-39.	1.4	2
23	Repopulation of intrahepatic bile ducts in engineered rat liver grafts. Technology, 2019, 07, 46-55.	1.4	13
24	Dynamin and reverse-mode sodium calcium exchanger blockade confers neuroprotection from diffuse axonal injury. Cell Death and Disease, 2019, 10, 727.	6.3	17
25	Mouse Model of Pressure Ulcers After Spinal Cord Injury. Journal of Visualized Experiments, 2019, , .	0.3	3
26	Macrophage modulation by polymerized hemoglobins: Potential as a wound-healing therapy. Technology, 2019, 07, 84-97.	1.4	0
27	First-in-human evaluation of a hand-held automated venipuncture device for rapid venous blood draws. Technology, 2019, 07, 98-107.	1.4	31
28	Oxygenated UW Solution Decreases ATP Decay and Improves Survival After Transplantation of DCD Liver Grafts. Transplantation, 2019, 103, 363-370.	1.0	14
29	Gut Microbiota-Derived Tryptophan Metabolites Modulate Inflammatory Response in Hepatocytes and Macrophages. Cell Reports, 2018, 23, 1099-1111.	6.4	406
30	Microfluidic platforms for the study of neuronal injury in vitro. Biotechnology and Bioengineering, 2018, 115, 815-830.	3.3	40
31	Microfluidic flow cytometry: The role of microfabrication methodologies, performance and functional specification. Technology, 2018, 06, 1-23.	1.4	34
32	Skin regeneration with all accessory organs following ablation with irreversible electroporation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 98-113.	2.7	22
33	Live cell imaging of cytosolic NADH/NAD <sup>+</sup> ratio in hepatocytes and liver slices. American Journal of Physiology - Renal Physiology, 2018, 314, G97-G108.	3.4	20
34	Impact of Complete Spinal Cord Injury on Healing of Skin Ulcers in Mouse Models. Journal of Neurotrauma, 2018, 35, 815-824.	3.4	10
35	Decellularized human liver extracellular matrix (hDLM)-mediated hepatic differentiation of human induced pluripotent stem cells (hiPSCs). Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1962-e1973.	2.7	57
36	The growing role of precision and personalized medicine for cancer treatment. Technology, 2018, 06, 79-100.	1.4	237

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37	Automated end-to-end blood testing at the point-of-care: Integration of robotic phlebotomy with downstream sample processing. <i>Technology</i> , 2018, 06, 59-66.	1.4	19
38	Rejuvenation of aged rat skin with pulsed electric fields. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 2309-2318.	2.7	8
39	Dose-, treatment- and time-dependent toxicity of superparamagnetic iron oxide nanoparticles on primary rat hepatocytes. <i>Nanomedicine</i> , 2018, 13, 1267-1284.	3.3	29
40	Improving functional re-endothelialization of acellular liver scaffold using REDV cell-binding domain. <i>Acta Biomaterialia</i> , 2018, 78, 151-164.	8.3	56
41	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.	12.8	64
42	Metabolic Patterning on a Chip: Towards in vitro Liver Zonation of Primary Rat and Human Hepatocytes. <i>Scientific Reports</i> , 2018, 8, 8951.	3.3	90
43	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.	7.9	50
44	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.	2.8	7
45	Regulation of Energy Homeostasis After Gastric Bypass Surgery. <i>Annual Review of Biomedical Engineering</i> , 2017, 19, 459-484.	12.3	9
46	Prostaglandin E <sub>2</sub> Produced by Alginate-Encapsulated Mesenchymal Stromal Cells Modulates the Astrocyte Inflammatory Response. <i>Nano LIFE</i> , 2017, 07, 1750005.	0.9	10
47	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.	0.7	3
48	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.	11.4	79
49	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.	5.1	19
50	Discarded Livers Find a New Life: Engineered Liver Grafts Using Hepatocytes Recovered From Marginal Livers. <i>Artificial Organs</i> , 2017, 41, 579-585.	1.9	13
51	Metabolomic Modularity Analysis (MMA) to Quantify Human Liver Perfusion Dynamics. <i>Metabolites</i> , 2017, 7, 58.	2.9	6
52	Metabolic Flux Distribution during Defatting of Steatotic Human Hepatoma (HepG2) Cells. <i>Metabolites</i> , 2016, 6, 1.	2.9	42
53	Elastin-like polypeptides: A strategic fusion partner for biologics. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1617-1627.	3.3	69
54	A Microfabricated Platform for Generating Physiologically-Relevant Hepatocyte Zonation. <i>Scientific Reports</i> , 2016, 6, 26868.	3.3	53

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55	System design and development of a robotic device for automated venipuncture and diagnostic blood cell analysis. , 2016, 2016, 514-520.		10
56	Multilayered tissue mimicking skin and vessel phantoms with tunable mechanical, optical, and acoustic properties. Medical Physics, 2016, 43, 3117-3131.	3.0	90
57	New technologies in drug metabolism and toxicity screening: organ-to-organ interaction. Expert Opinion on Drug Metabolism and Toxicology, 2016, 12, 475-477.	3.3	18
58	The development and characterization of SDF1 $\alpha$ -elastin-like-peptide nanoparticles for wound healing. Journal of Controlled Release, 2016, 232, 238-247.	9.9	51
59	Nanolayered siRNA delivery platforms for local silencing of CTGF reduce cutaneous scar contraction in third-degree burns. Biomaterials, 2016, 95, 22-34.	11.4	40
60	Nondestructive Methods for Monitoring Cell Removal During Rat Liver Decellularization. Tissue Engineering - Part C: Methods, 2016, 22, 671-678.	2.1	33
61	PPAR Agonists and 3D Alginate Encapsulation Accelerate Oligodendrocyte Differentiation of Mouse Embryonic Stem Cells. Nano LIFE, 2016, 06, 1650003.	0.9	1
62	Exposure to human immunodeficiency virus/hepatitis C virus in hepatic and stellate cell lines reveals cooperative profibrotic transcriptional activation between viruses and cell types. Hepatology, 2016, 64, 1951-1968.	7.3	36
63	Preventing Scars after Injury with Partial Irreversible Electroporation. Journal of Investigative Dermatology, 2016, 136, 2297-2304.	0.7	22
64	Isolation and co-culture of rat parenchymal and non-parenchymal liver cells to evaluate cellular interactions and response. Scientific Reports, 2016, 6, 25329.	3.3	90
65	Differential leukocyte counting via fluorescent detection and image processing on a centrifugal microfluidic platform. Analytical Methods, 2016, 8, 8272-8279.	2.7	5
66	Eradication of multidrug-resistant pseudomonas biofilm with pulsed electric fields. Biotechnology and Bioengineering, 2016, 113, 643-650.	3.3	55
67	Single-step electrical field strength screening to determine electroporation induced transmembrane transport parameters. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2041-2049.	2.6	10
68	Functionalized Biopolymer Particles Enhance Performance of a Tissue-Protective Peptide under Proteolytic and Thermal Stress. Biomacromolecules, 2016, 17, 2073-2079.	5.4	6
69	Developing the World's First Portable Medical Robot for Autonomous Venipuncture [Industrial Activities]. IEEE Robotics and Automation Magazine, 2016, 23, 10-11.	2.0	2
70	A Novel Resolvin-Based Strategy for Limiting Acetaminophen Hepatotoxicity. Clinical and Translational Gastroenterology, 2016, 7, e153.	2.5	26
71	Development of a Microsphere-Based System to Facilitate Real-Time Insulin Monitoring. Journal of Diabetes Science and Technology, 2016, 10, 689-696.	2.2	3
72	Proteomic analysis of naturally-sourced biological scaffolds. Biomaterials, 2016, 75, 37-46.	11.4	115

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73	3D Near Infrared and Ultrasound Imaging of Peripheral Blood Vessels for Real-Time Localization and Needle Guidance. Lecture Notes in Computer Science, 2016, 9902, 388-396.	1.3	13
74	Rat liver regeneration following ablation with irreversible electroporation. PeerJ, 2016, 4, e1571.	2.0	30
75	Sizes and Sufficient Quantities of MSC Microspheres for Intrathecal Injection to Modulate Inflammation in Spinal Cord Injury. Nano LIFE, 2015, 05, 1550004.	0.9	11
76	Real-time needle steering in response to rolling vein deformation by a 9-DOF image-guided autonomous venipuncture robot. , 2015, 2015, 2633-2638.		20
77	Tissue heterogeneity in structure and conductivity contribute to cell survival during irreversible electroporation ablation by electric field sinks. Scientific Reports, 2015, 5, 8485.	3.3	93
78	Layer-by-layer Collagen Deposition in Microfluidic Devices for Microtissue Stabilization. Journal of Visualized Experiments, 2015, , .	0.3	4
79	Identification of IL-1 $\beta$ and LPS as optimal activators of monolayer and alginate-encapsulated mesenchymal stromal cell immunomodulation using design of experiments and statistical methods. Biotechnology Progress, 2015, 31, 1058-1070.	2.6	22
80	The Role of CHI3L1 (Chitinase-3-Like-1) in the Pathogenesis of Infections in Burns in a Mouse Model. PLoS ONE, 2015, 10, e0140440.	2.5	12
81	Supercooling preservation and transplantation of the rat liver. Nature Protocols, 2015, 10, 484-494.	12.0	58
82	Surgical models of Roux-en-Y gastric bypass surgery and sleeve gastrectomy in rats and mice. Nature Protocols, 2015, 10, 495-507.	12.0	64
83	Machine perfusion enhances hepatocyte isolation yields from ischemic livers. Cryobiology, 2015, 71, 244-255.	0.7	5
84	Skin Rejuvenation with Non-Invasive Pulsed Electric Fields. Scientific Reports, 2015, 5, 10187.	3.3	45
85	Hepatic Injury in Nonalcoholic Steatohepatitis Contributes to Altered Intestinal Permeability. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 222-232.e2.	4.5	209
86	A novel low-volume two-chamber microfabricated platform for evaluating drug metabolism and toxicity. Technology, 2015, 03, 155-162.	1.4	11
87	The System Design and Evaluation of a 7-DOF Image-Guided Venipuncture Robot. IEEE Transactions on Robotics, 2015, 31, 1044-1053.	10.3	36
88	Alginate micro-encapsulation of mesenchymal stromal cells enhances modulation of the neuro-inflammatory response. Cytotherapy, 2015, 17, 1353-1364.	0.7	53
89	Development of a low-volume, highly sensitive microimmunoassay using computational fluid dynamics-driven multiobjective optimization. Microfluidics and Nanofluidics, 2015, 18, 199-214.	2.2	4
90	Layer-by-layer heparinization of decellularized liver matrices to reduce thrombogenicity of recellularized liver grafts. Journal of Clinical and Translational Research, 2015, 1, 48-56.	0.3	29

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91	Cloud-Enabled Microscopy and Droplet Microfluidic Platform for Specific Detection of Escherichia coli in Water. PLoS ONE, 2014, 9, e86341.	2.5	47
92	Pharmacokinetics of Natural and Engineered Secreted Factors Delivered by Mesenchymal Stromal Cells. PLoS ONE, 2014, 9, e89882.	2.5	31
93	Resolving cancerâ€™stroma interfacial signalling and interventions with micropatterned tumourâ€™stromal assays. Nature Communications, 2014, 5, 5662.	12.8	45
94	Efficient Procedure and Methods to Determine Critical Electroporation Parameters. , 2014, , .		7
95	Enriched Protein Screening of Human Bone Marrow Mesenchymal Stromal Cell Secretions Reveals MFAP5 and PENK as Novel IL-10 Modulators. Molecular Therapy, 2014, 22, 999-1007.	8.2	33
96	Proposed design of distributed macroalgal biorefineries: thermodynamics, bioconversion technology, and sustainability implications for developing economies. Biofuels, Bioproducts and Biorefining, 2014, 8, 67-82.	3.7	49
97	Predictivity of dog co-culture model, primary human hepatocytes and HepG2 cells for the detection of hepatotoxic drugs in humans. Toxicology and Applied Pharmacology, 2014, 275, 44-61.	2.8	51
98	Microfluidic Isolation of CD34-Positive Skin Cells Enables Regeneration of Hair and Sebaceous Glands In Vivo. Stem Cells Translational Medicine, 2014, 3, 1354-1362.	3.3	12
99	Electroporation-Based Technologies for Medicine: Principles, Applications, and Challenges. Annual Review of Biomedical Engineering, 2014, 16, 295-320.	12.3	655
100	Supercooling enables long-term transplantation survival following 4 days of liver preservation. Nature Medicine, 2014, 20, 790-793.	30.7	153
101	Picoliter droplet microfluidic immunosorbent platform for point-of-care diagnostics of tetanus. Mikrochimica Acta, 2013, 180, 855-860.	5.0	16
102	Microdevice integrating innate and adaptive immune responses associated with antigen presentation by dendritic cells. RSC Advances, 2013, 3, 16002.	3.6	21
103	Simple Machine Perfusion Significantly Enhances Hepatocyte Yields of Ischemic and Fresh Rat Livers. Cell Medicine, 2013, 4, 109-123.	5.0	15
104	Nanoporous Gold: A Biomaterial for Microfabricated Drug-Delivery Platforms. Materials Research Society Symposia Proceedings, 2012, 1415, 48.	0.1	0
105	Development of Metabolic Indicators of Burn Injury: Very Low Density Lipoprotein (VLDL) and Acetoacetate Are Highly Correlated to Severity of Burn Injury in Rats. Metabolites, 2012, 2, 458-478.	2.9	7
106	Perspectives on Non-Animal Alternatives for Assessing Sensitization Potential in Allergic Contact Dermatitis. Cellular and Molecular Bioengineering, 2012, 5, 52-72.	2.1	8
107	Design, Construction, and Testing of a Flying Prey Simulator. , 2012, , .		0
108	THE EMERGING FUTURE AT THE NEXUS OF NANOTECHNOLOGY AND BIOMEDICINE: AN INTRODUCTION TO NANO LIFE. Nano LIFE, 2010, 01, iii-v.	0.9	1

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109	ANALYSIS OF DENDRITIC CELL STIMULATION UTILIZING A MULTI-FACETED NANOPOLYMER DELIVERY SYSTEM AND THE IMMUNE MODULATOR 1-METHYL TRYPTOPHAN. Nano LIFE, 2010, 01, 239-250.	0.9	1
110	Low Power Laser Irradiation Stimulates the Proliferation of Adult Human Retinal Pigment Epithelial Cells in Culture. Cellular and Molecular Bioengineering, 2009, 2, 87-103.	2.1	8
111	Living-Cell Microarrays. Annual Review of Biomedical Engineering, 2009, 11, 235-257.	12.3	121
112	Reply:. Hepatology, 2008, 47, 2142-2143.	7.3	0
113	Ultra-Fast Vitrification of Murine Embryonic Stem Cells Using a Low Concentration of Cryoprotectants. , 2008, , .		0
114	Microchannel bioreactors for bioartificial liver support. Microfluidics and Nanofluidics, 2006, 2, 525-535.	2.2	8
115	Metabolic Engineering: Advances in Modeling and Intervention in Health and Disease. Annual Review of Biomedical Engineering, 2003, 5, 349-381.	12.3	89
116	Advances in Proteomic Technologies. Annual Review of Biomedical Engineering, 2002, 4, 349-373.	12.3	103
117	Complexation of Retrovirus with Cationic and Anionic Polymers Increases the Efficiency of Gene Transfer. Human Gene Therapy, 2001, 12, 1611-1621.	2.7	67
118	Keratinocyte growth factor induces hyperproliferation and delays differentiation in a skin equivalent model system. FASEB Journal, 2001, 15, 898-906.	0.5	26
119	In Vitro and In Vivo Evaluation of Albumin Synthesis Rate of Porcine Hepatocytes in a Flat-Plate Bioreactor. Artificial Organs, 2001, 25, 571-578.	1.9	34
120	Effects of oxygenation and flow on the viability and function of rat hepatocytes cocultured in a microchannel flat-plate bioreactor. Biotechnology and Bioengineering, 2001, 73, 379-389.	3.3	304
121	A fulminant hepatic failure model in the rat: involvement of interleukin-1beta and tumor necrosis factor-alpha. Digestive Diseases and Sciences, 2001, 46, 1700-1708.	2.3	44
122	Analysis of Oxygen Transport to Hepatocytes in a Flat-Plate Microchannel Bioreactor. Annals of Biomedical Engineering, 2001, 29, 947-955.	2.5	69
123	Intrahepatic amino acid and glucose metabolism in a ?-galactosamine-induced rat liver failure model. Hepatology, 2001, 34, 360-371.	7.3	66
124	Keratinocyte growth factor induces hyperproliferation and delays differentiation in a skin equivalent model system. FASEB Journal, 2001, 15, 898-906.	0.5	131
125	Analysis of Electrostatic Effects on the Success of Retroviral-Mediated Gene Delivery. Materials Research Society Symposia Proceedings, 2000, 662, 1.	0.1	0
126	Erratum in print version of "Toward a More Accurate Quantitation of the Activity of Recombinant Retroviruses: Alternatives to Titer and Multiplicity of Infection". Journal of Virology, 2000, 74, 3431-3431.	3.4	55



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127	Nucleic Acid Biotechnology. Annual Review of Biomedical Engineering, 1999, 1, 265-297.	12.3	46
128	Large-Scale Processing of Recombinant Retroviruses for Gene Therapy. Biotechnology Progress, 1999, 15, 1-11.	2.6	93
129	Differential Inhibition of Retrovirus Transduction by Proteoglycans and Free Glycosaminoglycans. Biotechnology Progress, 1999, 15, 397-406.	2.6	30
130	Kinetics of retrovirus production and decay. , 1999, 63, 654-662.		88
131	Prediction of antisense oligonucleotide binding affinity to a structured RNA target. Biotechnology and Bioengineering, 1999, 65, 1-9.	3.3	41
132	Kinetics of retrovirus production and decay. Biotechnology and Bioengineering, 1999, 63, 654-662.	3.3	2
133	Pressure-Induced Dissociation of Antigen-Antibody Complexes. Biotechnology Progress, 1998, 14, 773-781.	2.6	16
134	Interaction between heat shock and interleukin 6 stimulation in the acute-phase response of human hepatoma (HepG2) cells. Hepatology, 1998, 28, 994-1004.	7.3	12
135	Removal of proteoglycans increases efficiency of retroviral gene transfer. , 1998, 58, 23-34.		38
136	Metabolic effects of stress mediators on cultured hepatocytes. , 1998, 58, 222-230.		23
137	Correction for Label Leakage in Fluorimetric Assays of Cell Adhesion. BioTechniques, 1997, 23, 1056-1060.	1.8	6
138	Metabolic engineering and human disease. Nature Biotechnology, 1997, 15, 525-528.	17.5	26
139	Control of hypertrophic scar growth using selective photothermolysis. , 1997, 21, 7-12.		99
140	Controlling cell interactions by micropatterning in co-cultures: Hepatocytes and 3T3 fibroblasts. Journal of Biomedical Materials Research Part B, 1997, 34, 189-199.	3.1	496
141	Cell-cell interactions are essential for maintenance of hepatocyte function in collagen gel but not on matrigel. Biotechnology and Bioengineering, 1997, 56, 706-711.	3.3	61
142	Cell-cell interactions are essential for maintenance of hepatocyte function in collagen gel but not on matrigel. Biotechnology and Bioengineering, 1997, 56, 706-711.	3.3	9
143	Controlling cell interactions by micropatterning in co-cultures: Hepatocytes and 3T3 fibroblasts. , 1997, 34, 189.		1
144	Controlling cell interactions by micropatterning in co-cultures: Hepatocytes and 3T3 fibroblasts. , 1997, 34, 189.		1

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145	Effect of extracellular matrix topology on cell structure, function, and physiological responsiveness: hepatocytes cultured in a sandwich configuration. <i>FASEB Journal</i> , 1996, 10, 1471-1484.	0.5	387
146	Enhanced function of cultured epithelium by genetic modification: Cell-based synthesis and delivery of growth factors. , 1996, 52, 15-23.		13
147	Engineering organ perfusion protocols: NMR analysis of hepatocyte isolation from perfused rat liver. <i>Biotechnology and Bioengineering</i> , 1994, 43, 661-672.	3.3	1
148	Antibody-targeted Photolysis of Bacteria In Vivo. <i>Nature Biotechnology</i> , 1994, 12, 703-706.	17.5	52
149	A Device to Measure the Oxygen Uptake Rate of Attached Cells: Importance in Bioartificial Organ Design. <i>Cell Transplantation</i> , 1994, 3, 515-527.	2.5	96
150	Antibody-targeted Photolysis. <i>Annals of the New York Academy of Sciences</i> , 1994, 745, 297-320.	3.8	9
151	Optimization of hepatocyte attachment to microcarriers: Importance of oxygen. <i>Biotechnology and Bioengineering</i> , 1993, 42, 579-588.	3.3	38
152	Proline-mediated enhancement of hepatocyte function in a collagen gel sandwich culture configuration. <i>FASEB Journal</i> , 1993, 7, 586-591.	0.5	54
153	Long-Term Functional Recovery of Hepatocytes after Cryopreservation in a Three-Dimensional Culture Configuration. <i>Cell Transplantation</i> , 1992, 1, 281-292.	2.5	59
154	Antibody-targeted photolysis: in vitro immunological, photophysical, and cytotoxic properties of monoclonal antibody-dextran-tin(IV) chlorin e6 immunoconjugates. <i>Biotechnology Progress</i> , 1992, 8, 30-39.	2.6	28
155	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, 219-225.	2.6	82
156	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.	3.3	30
157	Oxygen uptake rates in cultured rat hepatocytes. <i>Biotechnology and Bioengineering</i> , 1992, 40, 1286-1291.	3.3	126
158	Penetration of Tumor Tissue by Antibodies and Other Immunoproteins. <i>Annals of the New York Academy of Sciences</i> , 1991, 618, 367-382.	3.8	43
159	Antibody-Targeted Photolysis.. <i>Annals of the New York Academy of Sciences</i> , 1991, 618, 383-393.	3.8	28
160	Long-term in vitro function of adult hepatocytes in a collagen sandwich configuration. <i>Biotechnology Progress</i> , 1991, 7, 237-245.	2.6	658
161	A microperfusion system with environmental control for studying insulin secretion by pancreatic tissue. <i>Biotechnology Progress</i> , 1991, 7, 359-368.	2.6	33
162	Hepatocyte function and extracellular matrix geometry: long-term culture in a sandwich configuration. <i>FASEB Journal</i> , 1989, 3, 174-177.	0.5	719