

François Berthiaume

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5704858/publications.pdf>

Version: 2024-02-01

144
papers

8,789
citations

66343

42
h-index

45317

90
g-index

144
all docs

144
docs citations

144
times ranked

10435
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	Regenerative Approaches for Chronic Wounds. <i>Annual Review of Biomedical Engineering</i> , 2022, 24, 61-83.	12.3	17
3	Self-Assembled Nanomaterials for Chronic Skin Wound Healing. <i>Advances in Wound Care</i> , 2021, 10, 221-233.	5.1	18
4	Neuropeptide Substance P Enhances Skin Wound Healing In Vitro and In Vivo under Hypoxia. <i>Biomedicines</i> , 2021, 9, 222.	3.2	8
5	Systematic Development and Characterization of Novel, High Drug-Loaded, Photostable, Curcumin Solid Lipid Nanoparticle Hydrogel for Wound Healing. <i>Antioxidants</i> , 2021, 10, 725.	5.1	27
6	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
7	Real Time Cytokine Quantification in Wound Fluid Samples Using Nanowell Impedance Sensing. , 2021, , .		1
8	Reactive Oxygen Species and Pressure Ulcer Formation after Traumatic Injury to Spinal Cord and Brain. <i>Antioxidants</i> , 2021, 10, 1013.	5.1	15
9	Periodontitis: Clinical Aspects, Pathophysiology, Experimental Approaches and Emerging Therapies. <i>Nano LIFE</i> , 2021, 11, 2130006.	0.9	1
10	COVID-19 Testing: Frequency Wins over Sensitivity in Control of Disease Transmission. <i>Nano LIFE</i> , 2021, 11, 2030002.	0.9	1
11	Irreversible Electroporation as an Alternative to Wound Debridement Surgery. <i>Surgical Technology International</i> , 2021, 39, 67-73.	0.2	0
12	Medium conditioned by human mesenchymal stromal cells reverses low serum and hypoxia-induced inhibition of wound closure. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 335-341.	2.1	10
13	Thymoquinone-Loaded Polymeric Films and Hydrogels for Bacterial Disinfection and Wound Healing. <i>Biomedicines</i> , 2020, 8, 386.	3.2	11
14	Myristoylated alanine-rich Cdk kinase substrate effector domain peptide improves sex-specific recovery and axonal regrowth after spinal cord injury. <i>FASEB Journal</i> , 2020, 34, 12677-12690.	0.5	6
15	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
16	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
17	Clinically Relevant Tissue Scale Responses as New Readouts from Organs-on-a-Chip for Precision Medicine. <i>Annual Review of Analytical Chemistry</i> , 2020, 13, 111-133.	5.4	11
18	A Dense Fibrillar Collagen Scaffold Differentially Modulates Secretory Function of iPSC-Derived Vascular Smooth Muscle Cells to Promote Wound Healing. <i>Cells</i> , 2020, 9, 966.	4.1	25

#	ARTICLE	IF	CITATIONS
19	Transcriptional Factors and Protein Biomarkers as Target Therapeutics in Traumatic Spinal Cord and Brain Injury. <i>Current Neuropharmacology</i> , 2020, 18, 1092-1105.	2.9	6
20	Mouse Model of Pressure Ulcers After Spinal Cord Injury. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
21	Macrophage modulation by polymerized hemoglobins: Potential as a wound-healing therapy. <i>Technology</i> , 2019, 07, 84-97.	1.4	0
22	Recent Advances in the Use of Algal Polysaccharides for Skin Wound Healing. <i>Current Pharmaceutical Design</i> , 2019, 25, 1236-1248.	1.9	19
23	Impact of Complete Spinal Cord Injury on Healing of Skin Ulcers in Mouse Models. <i>Journal of Neurotrauma</i> , 2018, 35, 815-824.	3.4	10
24	Incorporating mechanical strain in organs-on-a-chip: Lung and skin. <i>Biomicrofluidics</i> , 2018, 12, 042207.	2.4	73
25	The Role of Macrophages in Acute and Chronic Wound Healing and Interventions to Promote Pro-wound Healing Phenotypes. <i>Frontiers in Physiology</i> , 2018, 9, 419.	2.8	817
26	Stem Cells and Engineered Scaffolds for Regenerative Wound Healing. <i>Bioengineering</i> , 2018, 5, 23.	3.5	92
27	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
28	Hypoxia impairs mesenchymal stromal cell-induced macrophage M1 to M2 transition. <i>Technology</i> , 2017, 05, 81-86.	1.4	14
29	Pro-Resolution Potency of Resolvins D1, D2 and E1 on Neutrophil Migration and in Dermal Wound Healing. <i>Nano LIFE</i> , 2017, 07, 1750002.	0.9	20
30	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
31	Mixtures of tense and relaxed state polymerized human hemoglobin regulate oxygen affinity and tissue construct oxygenation. <i>PLoS ONE</i> , 2017, 12, e0185988.	2.5	20
32	Metabolic Flux Distribution during Defatting of Steatotic Human Hepatoma (HepG2) Cells. <i>Metabolites</i> , 2016, 6, 1.	2.9	42
33	Elastin-like polypeptides: A strategic fusion partner for biologics. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1617-1627.	3.3	69
34	Soluble Receptor for Advanced Glycation End Products Improves Stromal Cell-Derived Factor-1 Activity in Model Diabetic Environments. <i>Advances in Wound Care</i> , 2016, 5, 527-538.	5.1	9
35	The development and characterization of SDF1 β -elastin-like-peptide nanoparticles for wound healing. <i>Journal of Controlled Release</i> , 2016, 232, 238-247.	9.9	51
36	Therapeutic Delivery of Stromal Cell-Derived Factor-1 for Injury Repair. <i>Nano LIFE</i> , 2016, 06, 1530001.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Burn trauma disrupts circadian rhythms in rat liver. <i>International Journal of Burns and Trauma</i> , 2016, 6, 12-25.	0.2	2
38	<sc>SDF</sc> liposomes promote sustained cell proliferation in mouse diabetic wounds. <i>Wound Repair and Regeneration</i> , 2015, 23, 711-723.	3.0	38
39	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.	2.5	12
40	Mesenchymal stromal cells reverse hypoxia-mediated suppression of α -smooth muscle actin expression in human dermal fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 8-13.	2.1	20
41	Machine perfusion enhances hepatocyte isolation yields from ischemic livers. <i>Cryobiology</i> , 2015, 71, 244-255.	0.7	5
42	Hydrogel Microencapsulated Insulin-Secreting Cells Increase Keratinocyte Migration, Epidermal Thickness, Collagen Fiber Density, and Wound Closure in a Diabetic Mouse Model of Wound Healing. <i>Tissue Engineering - Part A</i> , 2015, 21, 2723-2732.	3.1	32
43	The effect of a simulated diabetic wound environment on keratinocyte migration. , 2015, , .		0
44	Dynamics of hepatic gene expression and serum cytokine profiles in single and double-hit burn and sepsis animal models. <i>Data in Brief</i> , 2015, 3, 229-233.	1.0	4
45	Modulation of cellular stress response via the erythropoietin/CD131 heteroreceptor complex in mouse mesenchymal-derived cells. <i>Journal of Molecular Medicine</i> , 2015, 93, 199-210.	3.9	27
46	Defatting hepatocytes under flow. , 2014, , .		0
47	Rat hepatocyte culture model of macrosteatosis: Effect of macrosteatosis induction and reversal on viability and liver-specific function. <i>Journal of Hepatology</i> , 2013, 59, 1307-1314.	3.7	17
48	Alternative erythropoietin-mediated signaling prevents secondary microvascular thrombosis and inflammation within cutaneous burns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3513-3518.	7.1	49
49	Resolvin <sc>D</sc>2 prevents secondary thrombosis and necrosis in a mouse burn wound model. <i>Wound Repair and Regeneration</i> , 2013, 21, 35-43.	3.0	98
50	Branched-chain amino acid supplementation: impact on signaling and relevance to critical illness. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2013, 5, 449-460.	6.6	46
51	Effect of Fasting on the Metabolic Response of Liver to Experimental Burn Injury. <i>PLoS ONE</i> , 2013, 8, e54825.	2.5	11
52	Highly Upregulated Lhx2 in the Foxn1 ^{+/+} Nude Mouse Phenotype Reflects a Dysregulated and Expanded Epidermal Stem Cell Niche. <i>PLoS ONE</i> , 2013, 8, e64223.	2.5	6
53	Resuscitation of Ischemic Donor Livers with Normothermic Machine Perfusion: A Metabolic Flux Analysis of Treatment in Rats. <i>PLoS ONE</i> , 2013, 8, e69758.	2.5	28
54	Impact of burn priming on immune and metabolic functions of whole Liver in a rat cecal ligation and puncture model. <i>International Journal of Burns and Trauma</i> , 2013, 3, 55-65.	0.2	7

#	ARTICLE	IF	CITATIONS
55	Dynamics of Short-Term Gene Expression Profiling in Liver Following Thermal Injury. <i>Journal of Surgical Research</i> , 2012, 176, 549-558.	1.6	15
56	Dynamics of Hepatic Gene Expression Profile in a Rat Cecal Ligation and Puncture Model. <i>Journal of Surgical Research</i> , 2012, 176, 583-600.	1.6	13
57	Long-term gene expression profile dynamics following cecal ligation and puncture in the rat. <i>Journal of Surgical Research</i> , 2012, 178, 431-442.	1.6	7
58	Stoichiometry Based Steady-State Hepatic Flux Analysis: Computational and Experimental Aspects. <i>Metabolites</i> , 2012, 2, 268-291.	2.9	8
59	Subnormothermic Machine Perfusion at Both 20°C and 30°C Recovers Ischemic Rat Livers for Successful Transplantation. <i>Journal of Surgical Research</i> , 2012, 175, 149-156.	1.6	93
60	Long-term dynamic profiling of inflammatory mediators in double-hit burn and sepsis animal models. <i>Cytokine</i> , 2012, 58, 307-315.	3.2	12
61	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, 458-478.	2.9	7
62	Metabolic network analysis of perfused livers under fed and fasted states: Incorporating thermodynamic and futile-cycle-associated regulatory constraints. <i>Journal of Theoretical Biology</i> , 2012, 293, 101-110.	1.7	13
63	Comparison of the cytokine and chemokine dynamics of the early inflammatory response in models of burn injury and infection. <i>Cytokine</i> , 2011, 55, 362-371.	3.2	37
64	The dynamics of the early inflammatory response in double-hit burn and sepsis animal models. <i>Cytokine</i> , 2011, 56, 494-502.	3.2	18
65	A quantitative model of thermal injury-induced acute inflammation. <i>Mathematical Biosciences</i> , 2011, 229, 135-148.	1.9	19
66	Tissue Engineering and Regenerative Medicine: History, Progress, and Challenges. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2011, 2, 403-430.	6.8	509
67	A Metabolic Index of Ischemic Injury for Perfusion-Recovery of Cadaveric Rat Livers. <i>PLoS ONE</i> , 2011, 6, e28518.	2.5	37
68	Combination of stromal cell-derived factor-1 and collagen glycosaminoglycan scaffold delays contraction and accelerates reepithelialization of dermal wounds in wild-type mice. <i>Wound Repair and Regeneration</i> , 2011, 19, 71-79.	3.0	34
69	In situ metabolic flux analysis to quantify the liver metabolic response to experimental burn injury. <i>Biotechnology and Bioengineering</i> , 2011, 108, 839-852.	3.3	25
70	Metabolic response of perfused livers to various oxygenation conditions. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2947-2957.	3.3	15
71	Pathway analysis of liver metabolism under stressed condition. <i>Journal of Theoretical Biology</i> , 2011, 272, 131-140.	1.7	20
72	Metabolic flux determination in perfused livers by mass balance analysis: Effect of fasting. <i>Biotechnology and Bioengineering</i> , 2010, 107, 825-835.	3.3	16

#	ARTICLE	IF	CITATIONS
73	Soft constraints-based multiobjective framework for flux balance analysis. <i>Metabolic Engineering</i> , 2010, 12, 429-445.	7.0	33
74	Organ reengineering through development of a transplantable recellularized liver graft using decellularized liver matrix. <i>Nature Medicine</i> , 2010, 16, 814-820.	30.7	1,215
75	Layered patterning of hepatocytes in co-culture systems using microfabricated stencils. <i>BioTechniques</i> , 2010, 48, 47-52.	1.8	98
76	Nest Making and Oxytocin Comparably Promote Wound Healing in Isolation Reared Rats. <i>PLoS ONE</i> , 2009, 4, e5523.	2.5	50
77	Amino acid-mediated heterotypic interaction governs performance of a hepatic tissue model. <i>FASEB Journal</i> , 2009, 23, 2288-2298.	0.5	41
78	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.	2.1	8
79	Dissimilar hepatic protein expression profiles during the acute and flow phases following experimental thermal injury. <i>Proteomics</i> , 2009, 9, 636-647.	2.2	5
80	Metabolic preconditioning of donor organs: Defatting fatty livers by normothermic perfusion ex vivo. <i>Metabolic Engineering</i> , 2009, 11, 274-283.	7.0	139
81	Steatosis Reversibly Increases Hepatocyte Sensitivity to Hypoxia-Reoxygenation Injury. <i>Journal of Surgical Research</i> , 2009, 152, 54-60.	1.6	43
82	Recovery of Warm Ischemic Rat Liver Grafts by Normothermic Extracorporeal Perfusion. <i>Transplantation</i> , 2009, 87, 170-177.	1.0	82
83	Mesenchymal stem cell-derived molecules directly modulate hepatocellular death and regeneration <i>in vitro</i> and <i>in vivo</i> . <i>Hepatology</i> , 2008, 47, 1634-1643.	7.3	461
84	Radial flow hepatocyte bioreactor using stacked microfabricated grooved substrates. <i>Biotechnology and Bioengineering</i> , 2008, 99, 455-467.	3.3	83
85	A new technique for primary hepatocyte expansion <i>in vitro</i> . <i>Biotechnology and Bioengineering</i> , 2008, 101, 345-356.	3.3	71
86	Activin Alters the Kinetics of Endoderm Induction in Embryonic Stem Cells Cultured on Collagen Gels. <i>Stem Cells</i> , 2008, 26, 474-484.	3.2	23
87	Improved Preservation of Warm Ischemic Livers by Hypothermic Machine Perfusion with Supplemented University of Wisconsin Solution. <i>Journal of Investigative Surgery</i> , 2008, 21, 83-91.	1.3	24
88	Homogeneous differentiation of hepatocyte-like cells from embryonic stem cells: applications for the treatment of liver failure. <i>FASEB Journal</i> , 2008, 22, 898-909.	0.5	79
89	Three-Dimensional Primary Hepatocyte Culture in Synthetic Self-Assembling Peptide Hydrogel. <i>Tissue Engineering - Part A</i> , 2008, 14, 227-236.	3.1	144
90	Immunomodulation of activated hepatic stellate cells by mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 247-252.	2.1	224

#	ARTICLE	IF	CITATIONS
91	A Bioartificial Liver Device Secreting Interleukin-1 Receptor Antagonist for the Treatment of Hepatic Failure in Rats. <i>Journal of Surgical Research</i> , 2007, 137, 130-140.	1.6	21
92	Microfabrication-based modulation of embryonic stem cell differentiation. <i>Lab on A Chip</i> , 2007, 7, 1018.	6.0	146
93	A Model for Normothermic Preservation of the Rat Liver. <i>Tissue Engineering</i> , 2007, 13, 2143-2151.	4.6	46
94	Mesenchymal Stem Cell-Derived Molecules Reverse Fulminant Hepatic Failure. <i>PLoS ONE</i> , 2007, 2, e941.	2.5	462
95	Contribution of gene expression to metabolic fluxes in hypermetabolic livers induced through burn injury and cecal ligation and puncture in rats. <i>Biotechnology and Bioengineering</i> , 2007, 97, 118-137.	3.3	34
96	Oxygen uptake rates and liver-specific functions of hepatocyte and 3T3 fibroblast co-cultures. <i>Biotechnology and Bioengineering</i> , 2007, 97, 188-199.	3.3	86
97	Integrated Energy and Flux Balance Based Multiobjective Framework for Large-Scale Metabolic Networks. <i>Annals of Biomedical Engineering</i> , 2007, 35, 863-885.	2.5	62
98	Polyelectrolyte Nano-scaffolds for the Design of Layered Cellular Architectures. <i>Tissue Engineering</i> , 2006, 12, 1553-1563.	4.6	82
99	Development of an Array of Ion-Selective Microelectrodes Aimed for the Monitoring of Extracellular Ionic Activities. <i>Analytical Chemistry</i> , 2006, 78, 7453-7460.	6.5	30
100	Isolated Perfusion of a Tubed Superficial Epigastric Flap in a Rodent Model. <i>Journal of Surgical Research</i> , 2006, 135, 164-169.	1.6	2
101	Heat Shock Preconditioning Inhibits CD4+ T Lymphocyte Activation in Transplanted Fatty Rat Livers. <i>Journal of Surgical Research</i> , 2006, 135, 92-99.	1.6	7
102	Liver endothelial cells promote LDL-R expression and the uptake of HCV-like particles in primary rat and human hepatocytes. <i>Hepatology</i> , 2006, 43, 257-265.	7.3	68
103	Elevated Hepatocyte-Specific Functions in Fetal Rat Hepatocytes Co-cultured with Adult Rat Hepatocytes. <i>Tissue Engineering</i> , 2006, 12, 2965-2973.	4.6	24
104	Treatment of Fulminant Hepatic Failure in Rats Using a Bioartificial Liver Device Containing Porcine Hepatocytes Producing Interleukin-1 Receptor Antagonist. <i>Tissue Engineering</i> , 2006, 12, 1313-1323.	4.6	13
105	A novel formulation of oxygen-carrying matrix enhances liver-specific function of cultured hepatocytes. <i>FASEB Journal</i> , 2006, 20, 2531-2533.	0.5	74
106	Evolution of intrahepatic carbon, nitrogen, and energy metabolism in a D-galactosamine-induced rat liver failure model. <i>Metabolic Engineering</i> , 2005, 7, 88-103.	7.0	40
107	Microfabricated grooved substrates as platforms for bioartificial liver reactors. <i>Biotechnology and Bioengineering</i> , 2005, 90, 632-644.	3.3	131
108	Immunodepletion of albumin for two-dimensional gel detection of new mouse acute-phase protein and other plasma proteins. <i>Proteomics</i> , 2005, 5, 3991-4000.	2.2	43

#	ARTICLE	IF	CITATIONS
109	Selective Enhancement of Cytochrome P-450 Activity in Rat Hepatocytes by in Vitro Heat Shock. <i>Tissue Engineering</i> , 2005, 11, 1527-1534.	4.6	7
110	Effects of Dehydroepiandrosterone Administration on Rat Hepatic Metabolism Following Thermal Injury. <i>Journal of Surgical Research</i> , 2005, 127, 93-105.	1.6	25
111	Quantitative effects of thermal injury and insulin on the metabolism of the skeletal muscle using the perfused rat hindquarter preparation. <i>Biotechnology and Bioengineering</i> , 2004, 88, 613-629.	3.3	13
112	A mouse serum two-dimensional gel map: Application to profiling burn injury and infection. <i>Electrophoresis</i> , 2004, 25, 3055-3065.	2.4	38
113	Designing a Hepatocellular Microenvironment with Protein Microarraying and Poly(ethylene glycol) Photolithography. <i>Langmuir</i> , 2004, 20, 2999-3005.	3.5	104
114	Growth factors and nonparenchymal cell conditioned media induce mitogenic responses in stable long-term adult rat hepatocyte cultures. <i>Experimental Cell Research</i> , 2004, 293, 239-247.	2.6	28
115	Metabolic flux analysis of cultured hepatocytes exposed to plasma. <i>Biotechnology and Bioengineering</i> , 2003, 81, 33-49.	3.3	75
116	Profiling of dynamic changes in hypermetabolic livers. <i>Biotechnology and Bioengineering</i> , 2003, 83, 400-415.	3.3	58
117	Metabolic flux analysis of hepatocyte function in hormone- and amino acid-supplemented plasma. <i>Metabolic Engineering</i> , 2003, 5, 1-15.	7.0	57
118	Control analysis of mitochondrial metabolism in intact hepatocytes: effect of interleukin-1 β and interleukin-6. <i>Metabolic Engineering</i> , 2003, 5, 108-123.	7.0	30
119	Induction of a hypermetabolic state in cultured hepatocytes by glucagon and H ₂ O ₂ . <i>Metabolic Engineering</i> , 2003, 5, 221-229.	7.0	16
120	Long-Term Stable Cultures of Rat Hepatocytes: An in Vitro Model to Study Acute and Chronic Hepatic Inflammation. <i>Tissue Engineering</i> , 2002, 8, 681-693.	4.6	24
121	Metabolic pre-conditioning of cultured cells in physiological levels of insulin: Generating resistance to the lipid-accumulating effects of plasma in hepatocytes. <i>Biotechnology and Bioengineering</i> , 2002, 78, 753-760.	3.3	31
122	Bioengineering of liver assist devices. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2002, 9, 686-696.	2.0	47
123	Poloxamer-188 Improves Capillary Blood Flow and Tissue Viability in a Cutaneous Burn Wound. <i>Journal of Surgical Research</i> , 2001, 101, 56-61.	1.6	47
124	Intrahepatic amino acid and glucose metabolism in a β -galactosamine-induced rat liver failure model. <i>Hepatology</i> , 2001, 34, 360-371.	7.3	66
125	Long-Term Maintenance of Cytochrome P450 Activities by Rat Hepatocyte/3T3 Cell Co-cultures in Heparinized Human Plasma. <i>Tissue Engineering</i> , 2001, 7, 691-703.	4.6	28
126	Metabolic Flux Analysis of Postburn Hepatic Hypermetabolism. <i>Metabolic Engineering</i> , 2000, 2, 312-327.	7.0	79

#	ARTICLE	IF	CITATIONS
127	Amino Acid Supplementation Improves Cell-Specific Functions of the Rat Hepatocytes Exposed to Human Plasma. <i>Tissue Engineering</i> , 2000, 6, 497-504.	4.6	27
128	Dynamics of Tissue Neutrophil Sequestration after Cutaneous Burns in Rats. <i>Journal of Surgical Research</i> , 2000, 93, 88-96.	1.6	53
129	Optimization of Rat Hepatocyte Culture in Citrated Human Plasma. <i>Journal of Surgical Research</i> , 2000, 93, 237-246.	1.6	27
130	Age- and Disease-Related Decline in Immune Function: An Opportunity for "Thymus-Boosting" Therapies. <i>Tissue Engineering</i> , 1999, 5, 499-514.	4.6	24
131	Metabolic Flux Analysis: A Powerful Tool for Monitoring Tissue Function. <i>Tissue Engineering</i> , 1999, 5, 347-368.	4.6	42
132	Cutaneous Burn Injury Alters Relative Tricarboxylic Acid Cycle Fluxes in Rat Liver. <i>Journal of Burn Care and Research</i> , 1999, 20, 292-302.	1.6	24
133	Genetically modified fibroblasts induce angiogenesis in the rat epigastric island flap. <i>Langenbeck's Archives of Surgery</i> , 1998, 383, 345-350.	1.9	16
134	Expression of Long-Term Liver-Specific Function by Adult Rat Hepatocytes Cultured on Microcarriers. <i>Tissue Engineering</i> , 1997, 3, 267-279.	4.6	9
135	Correction for Label Leakage in Fluorimetric Assays of Cell Adhesion. <i>BioTechniques</i> , 1997, 23, 1056-1060.	1.8	6
136	Metabolic engineering and human disease. <i>Nature Biotechnology</i> , 1997, 15, 525-528.	17.5	26
137	Tumor necrosis factor-alpha (TNF- α) induces a reversible, time- and dose-dependent adhesion of progenitor T cells to endothelial cells. <i>Molecular Immunology</i> , 1996, 33, 671-680.	2.2	7
138	Control of Hypertrophic Scar Growth Using Antibody-Targeted Photolysis. <i>Journal of Surgical Research</i> , 1996, 62, 17-22.	1.6	16
139	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
140	Culture matrix configuration and composition in the maintenance of hepatocyte polarity and function. <i>Biomaterials</i> , 1996, 17, 373-385.	11.4	211
141	Transport of fluorescent dextrans across the rat ileum after cutaneous thermal injury. <i>Critical Care Medicine</i> , 1994, 22, 455-464.	0.9	18
142	Fluid Shear Stress Stimulates Membrane Phospholipid Metabolism in Cultured Human Endothelial Cells. <i>Journal of Vascular Research</i> , 1992, 29, 443-449.	1.4	87
143	Flow-induced prostacyclin production is mediated by a pertussis toxin-sensitive G protein. <i>FEBS Letters</i> , 1992, 308, 277-279.	2.8	71
144	Irreversible Electroporation as an Alternative to Wound Debridement Surgery. <i>Surgical Technology International</i> , 0, 39, .	0.2	2