

Peter I Lelkes

List of Publications by Year in descending order

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154
papers

8,833
citations

71102

41
h-index

45317

90
g-index

155
all docs

155
docs citations

155
times ranked

11832
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutraceuticals Synergistically Promote Osteogenesis in Cultured 7F2 Osteoblasts and Mitigate Inhibition of Differentiation and Maturation in Simulated Microgravity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 136.	4.1	5
2	Impairment of 7F2 osteoblast function by simulated partial gravity in a Random Positioning Machine. <i>Npj Microgravity</i> , 2022, 8, .	3.7	9
3	On the road to smart biomaterials for bone research: definitions, concepts, advances, and outlook. <i>Bone Research</i> , 2021, 9, 12.	11.4	121
4	Pre-coating decellularized liver with HepG2-conditioned medium improves hepatic recellularization. <i>Materials Science and Engineering C</i> , 2021, 121, 111862.	7.3	15
5	Neurotrophic factors and their receptors in lung development and implications in lung diseases. <i>Cytokine and Growth Factor Reviews</i> , 2021, 59, 84-94.	7.2	3
6	Multifunctional Dental Composite with Piezoelectric Nanofillers for Combined Antibacterial and Mineralization Effects. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43868-43879.	8.0	30
7	Enhanced Induction of Definitive Endoderm Differentiation of Mouse Embryonic Stem Cells in Simulated Microgravity. <i>Stem Cells and Development</i> , 2020, 29, 1275-1284.	2.1	6
8	<p>The Use of Near-Infrared Light-Emitting Fluorescent Nanodiamond Particles to Detect Ebola Virus Glycoprotein: Technology Development and Proof of Principle</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7583-7599.	6.7	10
9	<p>Effects of Fluorescent Diamond Particles FDP-NV-800nm on Essential Biochemical Functions of Primary Human Umbilical Vein Cells and Human Hepatic Cell Line, HepG-2 in vitro (Part VI): Acute Biocompatibility Studies</p>. <i>Nanotechnology, Science and Applications</i> , 2020, Volume 13, 103-118.	4.6	0
10	Soy Protein Nanofiber Scaffolds for Uniform Maturation of Human Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 433-446.	2.1	16
11	Cell-Based Adhesion Assays for Isolation of Snake Venomâ€™s Integrin Antagonists. <i>Methods in Molecular Biology</i> , 2020, 2068, 205-223.	0.9	4
12	A Bilayered Poly (Lactic-Co-Glycolic Acid) Scaffold Provides Differential Cues for the Differentiation of Dental Pulp Stem Cells. <i>Tissue Engineering - Part A</i> , 2019, 25, 224-233.	3.1	23
13	Topographic cues of a novel bilayered scaffold modulate dental pulp stem cells differentiation by regulating YAP signalling through cytoskeleton adjustments. <i>Cell Proliferation</i> , 2019, 52, e12676.	5.3	26
14	Adult and iPS-derived non-parenchymal cells regulate liver organoid development through differential modulation of Wnt and TGF-Î². <i>Stem Cell Research and Therapy</i> , 2019, 10, 258.	5.5	37
15	An Air Bubble-Isolating Rotating Wall Vessel Bioreactor for Improved Spheroid/Organoid Formation. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 479-488.	2.1	28
16	<p>Biocompatibility studies of fluorescent diamond particles-(NV)âˆ’4800nm (part V): in vitro kinetics and in vivo localization in rat liver following long-term exposure</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6451-6464.	6.7	10
17	From Snake Venomâ€™s Disintegrins and C-Type Lectins to Anti-Platelet Drugs. <i>Toxins</i> , 2019, 11, 303.	3.4	41
18	<p>Long-term biocompatibility of fluorescent diamonds-(NV)-Z-800 nm in rats: survival, morbidity, histopathology, and particle distribution and excretion studies (part IV)</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1163-1175.	6.7	15

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19	Cover Image, Volume 52, Issue 6. Cell Proliferation, 2019, 52, e12728.	5.3	0
20	New Approaches to Respiratory Assist: Bioengineering an Ambulatory, Miniaturized Bioartificial Lung. ASAIO Journal, 2019, 65, 422-429.	1.6	7
21	Nerve Growth Factor-Induced Angiogenesis: 2. The Quail Chorioallantoic Membrane Assay. Methods in Molecular Biology, 2018, 1727, 251-259.	0.9	5
22	Nerve Growth Factor-Induced Angiogenesis: 1. Endothelial Cell Tube Formation Assay. Methods in Molecular Biology, 2018, 1727, 239-250.	0.9	11
23	Mini and customized low-cost bioreactors for optimized high-throughput generation of tissue organoids. Stem Cell Investigation, 2018, 5, 33-33.	3.0	32
24	Pilot study on biocompatibility of fluorescent nanodiamond-(NV)-Z~800 particles in rats: safety, pharmacokinetics, and bio-distribution (part III). International Journal of Nanomedicine, 2018, Volume 13, 5449-5468.	6.7	24
25	Gradient porous fibrous scaffolds: a novel approach to improving cell penetration in electrospun scaffolds. Biomedical Materials (Bristol), 2018, 13, 065010.	3.3	28
26	Textile technologies for 3D scaffold engineering. , 2018, , 175-201.		7
27	Abstract WP56: Imaging Intra-Carotid Thrombosis Using Near InfraRed Fluorescent-NanoDiamond Particles Bio-engineered With the Disintegrin Bitistatin. Stroke, 2018, 49, .	2.0	0
28	In Vivo Testing of Extracorporeal Membrane Ventilators: iLA-Active Versus Prototype I-Lung. ASAIO Journal, 2017, 63, 185-192.	1.6	2
29	Bitistatin-functionalized fluorescent nanodiamond particles specifically bind to purified human platelet integrin receptor α IIb β 3 and activated platelets. International Journal of Nanomedicine, 2017, Volume 12, 3711-3720.	6.7	11
30	Vascular thrombus imaging in vivo via near-infrared fluorescent nanodiamond particles bioengineered with the disintegrin bitistatin (Part II). International Journal of Nanomedicine, 2017, Volume 12, 8471-8482.	6.7	20
31	Near infrared spectroscopic imaging assessment of cartilage composition: Validation with mid infrared imaging spectroscopy. Analytica Chimica Acta, 2016, 926, 79-87.	5.4	19
32	Enhanced Re-Endothelialization of Decellularized Rat Lungs. Tissue Engineering - Part C: Methods, 2016, 22, 439-450.	2.1	34
33	Revascularization of decellularized lung scaffolds: principles and progress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1273-L1285.	2.9	50
34	Biomechanical and biochemical remodeling of stromal extracellular matrix in cancer. Trends in Biotechnology, 2015, 33, 230-236.	9.3	276
35	Mesenchymal stem cells for therapeutic applications in pulmonary medicine. British Medical Bulletin, 2015, 115, 45-56.	6.9	31
36	Microenvironmental Modulation of Stem Cell Differentiation with Focus on the Lung. , 2015, , 59-97.		0

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37	Association of p75NTR and $\alpha 9 \beta 1$ integrin modulates NGF-dependent cellular responses. Cellular Signalling, 2015, 27, 1225-1236.	3.6	16
38	Anti-angiogenic activities of snake venom CRISP isolated from Echis carinatus sochureki. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1169-1179.	2.4	23
39	Smart Matrices for Distal Lung Tissue Engineering. , 2015, , 99-123.		0
40	Osseointegrative Properties of Electrospun Hydroxyapatite-Containing Nanofibrous Chitosan Scaffolds. Tissue Engineering - Part A, 2015, 21, 970-981.	3.1	36
41	Hypoxia Enhances Differentiation of Mouse Embryonic Stem Cells into Definitive Endoderm and Distal Lung Cells. Stem Cells and Development, 2015, 24, 663-676.	2.1	35
42	Neurotherapeutic Effect of Cord Blood Derived CD45 ⁺ Hematopoietic Cells in Mice after Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 1405-1416.	3.4	18
43	Cytocompatibility of novel extracellular matrix protein analogs of biodegradable polyester polymers derived from α -hydroxy amino acids. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 608-624.	3.5	4
44	Engineering De Novo Assembly of Fetal Pulmonary Organoids. Tissue Engineering - Part A, 2014, 20, 2892-2907.	3.1	46
45	Mechanical Study of Polycaprolactone-hydroxyapatite Porous Scaffolds Created by Porogen-based Solid Freeform Fabrication Method. Journal of Applied Biomaterials and Functional Materials, 2014, 12, 145-154.	1.6	19
46	Enhanced reseeded of decellularized rodent lungs with mouse embryonic stem cells. Biomaterials, 2014, 35, 3252-3262.	11.4	42
47	Textile-templated electrospun anisotropic scaffolds for regenerative cardiac tissue engineering. Biomaterials, 2014, 35, 8540-8552.	11.4	85
48	Heterogeneous Mixed-Lineage Differentiation of Mouse Embryonic Stem Cells Induced by Conditioned Media from A549 Cells. Stem Cells and Development, 2014, 23, 1923-1936.	2.1	7
49	Transcriptional Down-regulation of Epidermal Growth Factor (EGF) Receptors by Nerve Growth Factor (NGF) in PC12 Cells. Journal of Molecular Neuroscience, 2014, 54, 574-585.	2.3	9
50	Electrospun soy protein scaffolds as wound dressings: Enhanced reepithelialization in a porcine model of wound healing. Wound Medicine, 2014, 5, 9-15.	2.7	59
51	Drug-Eluting Vascular Grafts. Advances in Delivery Science and Technology, 2014, , 405-427.	0.4	3
52	Alimentary α -green™ proteins as electrospun scaffolds for skin regenerative engineering. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 994-1008.	2.7	39
53	Enhanced Survival and Neurite Network Formation of Human Umbilical Cord Blood Neuronal Progenitors in Three-Dimensional Collagen Constructs. Journal of Molecular Neuroscience, 2013, 51, 249-261.	2.3	13
54	Self-organized sorting of heterotypic agents via a chemotaxis paradigm. Science of Computer Programming, 2013, 78, 594-611.	1.9	10

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55	ERK2-regulated TIMP1 Induces Hyperproliferation of K-RasG12D-Transformed Pancreatic Ductal Cells. <i>Neoplasia</i> , 2013, 15, 359-IN1.	5.3	19
56	Angioneural Crosstalk in Scaffolds with Oriented Microchannels for Regenerative Spinal Cord Injury Repair. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 334-346.	2.3	22
57	Electrospun Rapamycin-Eluting Polyurethane Fibers for Vascular Grafts. <i>Pharmaceutical Research</i> , 2013, 30, 1735-1748.	3.5	33
58	Tissue Factor Activity and ECM-Related Gene Expression in Human Aortic Endothelial Cells Grown on Electrospun Biohybrid Scaffolds. <i>Biomacromolecules</i> , 2013, 14, 1338-1348.	5.4	22
59	NGF Promotes Hemodynamic Recovery in a Rabbit Hindlimb Ischemic Model Through trkA- and VEGFR2-dependent Pathways. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 270-277.	1.9	18
60	Biocompatibility and biodegradation studies of PCL/β-TCP bone tissue scaffold fabricated by structural porogen method. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2217-2226.	3.6	55
61	Constitutive K-RasG12D Activation of ERK2 Specifically Regulates 3D Invasion of Human Pancreatic Cancer Cells via MMP-1. <i>Molecular Cancer Research</i> , 2012, 10, 183-196.	3.4	38
62	Neural stem cells: therapeutic potential for neurodegenerative diseases. <i>British Medical Bulletin</i> , 2012, 104, 7-19.	6.9	57
63	Neuroprotective effects of nimodipine and nifedipine in the NGF-differentiated PC12 cells exposed to oxygen-glucose deprivation or trophic withdrawal. <i>International Journal of Developmental Neuroscience</i> , 2012, 30, 465-469.	1.6	40
64	Electrospun hydroxyapatite-containing chitosan nanofibers crosslinked with genipin for bone tissue engineering. <i>Biomaterials</i> , 2012, 33, 9167-9178.	11.4	355
65	Mechanical properties and biomineralization of multifunctional nanodiamond-PLLA composites for bone tissue engineering. <i>Biomaterials</i> , 2012, 33, 5067-5075.	11.4	206
66	Constitutive K-RasG12D Activation of ERK2 Specifically Regulates 3D Invasion of Human Pancreatic Cancer Cells via MMP-1. <i>FASEB Journal</i> , 2012, 26, 975.1.	0.5	0
67	Co-Electrospun Blends of PLGA, Gelatin, and Elastin as Potential Nonthrombogenic Scaffolds for Vascular Tissue Engineering. <i>Biomacromolecules</i> , 2011, 12, 399-408.	5.4	121
68	Cytotoxicity Tests of Water Soluble ZnS and CdS Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3543-3551.	0.9	53
69	Fluorescent PLLA-nanodiamond composites for bone tissue engineering. <i>Biomaterials</i> , 2011, 32, 87-94.	11.4	352
70	Fibronectin-mediated upregulation of α5β1 integrin and cell adhesion during differentiation of mouse embryonic stem cells. <i>Cell Adhesion and Migration</i> , 2011, 5, 73-82.	2.7	35
71	Nerve Growth Factor and Human Umbilical Cord Blood-Derived Cells Confer Neurovascular Protection in Ischemia. <i>American Journal of Neuroprotection and Neuroregeneration</i> , 2011, 3, 32-41.	0.1	0
72	Nerve Growth Factor-Induced Protection of Brain Capillary Endothelial Cells Exposed to Oxygen-Glucose Deprivation Involves Attenuation of Erk Phosphorylation. <i>Journal of Molecular Neuroscience</i> , 2010, 41, 183-192.	2.3	29

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73	Cardiac microvascular endothelial cells express and release nerve growth factor but not fibroblast growth factor-2. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 469-476.	1.5	9
74	Angiostatic effects of K252a, a Trk inhibitor, in murine brain capillary endothelial cells. <i>Molecular and Cellular Biochemistry</i> , 2010, 339, 201-213.	3.1	16
75	Transient signaling of Erk1/2, Akt and PLC β 3 induced by nerve growth factor in brain capillary endothelial cells. <i>Vascular Pharmacology</i> , 2010, 53, 107-114.	2.1	16
76	Micropatterning of three-dimensional electrospun polyurethane vascular grafts. <i>Acta Biomaterialia</i> , 2010, 6, 4229-4237.	8.3	129
77	A novel sucrose porogen-based solid freeform fabrication system for bone scaffold manufacturing. <i>Rapid Prototyping Journal</i> , 2010, 16, 365-376.	3.2	11
78	Novel Thermally Cross-Linkable Poly[(arylenedioxy)(diorganosilylene)]s Based on Curcumin: Synthesis and Characterization. <i>Macromolecules</i> , 2010, 43, 3277-3285.	4.8	8
79	Peaceful use of disastrous neurotoxicants. <i>NeuroToxicology</i> , 2010, 31, 608-620.	3.0	5
80	Three-Dimensional Pulmonary Constructs. , 2010, , 261-285.		0
81	Efficient Derivation of Alveolar Type II Cells from Embryonic Stem Cells for <i>In Vivo</i> Application. <i>Tissue Engineering - Part A</i> , 2009, 15, 3351-3365.	3.1	78
82	Quantitative Assessment of Neuronal Differentiation in Three-dimensional Collagen Gels Using Enhanced Green Fluorescence Protein Expressing PC12 Pheochromocytoma Cells. <i>Journal of Molecular Neuroscience</i> , 2009, 37, 225-237.	2.3	19
83	Submitogenic phorbol myristate acetate stimulation rescues the PHA-induced activation of both naive and memory T cells cultured in the rotating-wall vessel bioreactor. <i>Cell Biology International</i> , 2009, 33, 882-886.	3.0	7
84	A computational model of chemotaxis-based cell aggregation. <i>BioSystems</i> , 2008, 93, 226-239.	2.0	17
85	Templated Synthesis of Electroactive Periodic Mesoporous Organosilica Bridged with Oligoaniline. <i>Chemistry - A European Journal</i> , 2008, 14, 2909-2917.	3.3	20
86	Novel Methods for Delivery of Cell-Based Therapies. <i>Journal of Surgical Research</i> , 2008, 146, 3-10.	1.6	14
87	<i>In Vivo</i> Pulmonary Tissue Engineering: Contribution of Donor-Derived Endothelial Cells to Construct Vascularization*. <i>Tissue Engineering - Part A</i> , 2008, 14, 361-368.	3.1	56
88	Enhanced EGFR inhibition and distinct epitope recognition by EGFR antagonistic MABS C225 and 425. <i>Cancer Biology and Therapy</i> , 2008, 7, 726-733.	3.4	52
89	Electrowetting-based multi-microfluidics array printing of high resolution tissue construct with embedded cells and growth factors. <i>Virtual and Physical Prototyping</i> , 2007, 2, 217-223.	10.4	24
90	Simulation of chemotaxis-based sorting of heterotypic cell populations. , 2007, , .		4

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91	Electroactive Oligoaniline-Containing Self-Assembled Monolayers for Tissue Engineering Applications. <i>Biomacromolecules</i> , 2007, 8, 3025-3034.	5.4	110
92	Oligoaniline-Contained Electroactive Silsesquioxane Precursor for Synthesizing Novel Siliceous Materials. <i>Macromolecules</i> , 2007, 40, 2721-2729.	4.8	40
93	Synthesis and characterization of electroactive and biodegradable ABA block copolymer of polylactide and aniline pentamer. <i>Biomaterials</i> , 2007, 28, 1741-1751.	11.4	252
94	Culture of Neuroendocrine and Neuronal Cells for Tissue Engineering. , 2006, , 375-415.		12
95	Polyaniline, an electroactive polymer, supports adhesion and proliferation of cardiac myoblasts. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 199-212.	3.5	292
96	A novel real-time system to monitor cell aggregation and trajectories in rotating wall vessel bioreactors. <i>Journal of Biotechnology</i> , 2006, 125, 416-424.	3.8	28
97	Nerve Growth Factor (NGF) Promotes Angiogenesis in the Quail Chorioallantoic Membrane. Endothelium: <i>Journal of Endothelial Cell Research</i> , 2006, 13, 51-59.	1.7	51
98	Real-time assessment of three-dimensional cell aggregation in rotating wall vessel bioreactors in vitro. <i>Nature Protocols</i> , 2006, 1, 2116-2127.	12.0	23
99	Electrospinning polyaniline-contained gelatin nanofibers for tissue engineering applications. <i>Biomaterials</i> , 2006, 27, 2705-2715.	11.4	788
100	Porogen-based solid freeform fabrication of polycaprolactone-calcium phosphate scaffolds for tissue engineering. <i>Biomaterials</i> , 2006, 27, 4399-4408.	11.4	207
101	Fine-tuning of a three-dimensional microcarrier-based angiogenesis assay for the analysis of endothelial-mesenchymal cell co-cultures in fibrin and collagen gels. <i>Angiogenesis</i> , 2006, 9, 111-125.	7.2	61
102	Co-electrospun poly(lactide-co-glycolide), gelatin, and elastin blends for tissue engineering scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 963-973.	4.0	304
103	Intelligent Biomatrices and Engineered Tissue Constructs: In-Vitro Models for Drug Discovery and Toxicity Testing. , 2006, , 1-51.		4
104	Cross Talk between the Cardiovascular and Nervous Systems:Neurotrophic Effects of Vascular Endothelial Growth Factor (VEGF) and Angiogenic Effects of Nerve Growth Factor (NGF)-Implications in Drug Development. <i>Current Pharmaceutical Design</i> , 2006, 12, 2609-2622.	1.9	147
105	Functional recovery of peripheral blood mononuclear cells in modeled microgravity. <i>FASEB Journal</i> , 2006, 20, 305-307.	0.5	21
106	Engineering Three-Dimensional Pulmonary Tissue Constructs. <i>Tissue Engineering</i> , 2006, 12, 717-728.	4.6	155
107	Topographic guidance of endothelial cells on silicone surfaces with micro- to nanogrooves: Orientation of actin filaments and focal adhesions. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 668-680.	4.0	172
108	Electrospun protein fibers as matrices for tissue engineering. <i>Biomaterials</i> , 2005, 26, 5999-6008.	11.4	743

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109	Nerve Growth Factor-Induced Migration of Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1220-1227.	2.5	68
110	Multi-Material Scaffolds for Tissue Engineering. <i>Macromolecular Symposia</i> , 2005, 227, 345-356.	0.7	6
111	Nanoelectrodes Fabricated from Electron Beam Deposited Carbon as Potential Electrochemical Neuronal Probes. <i>Journal of Biomedical Nanotechnology</i> , 2005, 1, 336-340.	1.1	2
112	Gene Expression Profiling of Vascular Endothelial Cells Exposed to Fluid Mechanical Forces: Relevance for Focal Susceptibility to Atherosclerosis. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004, 11, 45-57.	1.7	71
113	Effect of Nano-to Micro-Scale Surface Topography on the Orientation of Endothelial Cells. <i>Materials Research Society Symposia Proceedings</i> , 2004, 845, 297.	0.1	2
114	Steady Unidirectional Laminar Flow Inhibits Monolayer Formation by Human and Rat Microvascular Endothelial Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004, 11, 11-16.	1.7	5
115	Adrenal medullary function and expression of catecholamine-synthesizing enzymes in mice with hypothalamic obesity. <i>Life Sciences</i> , 2004, 74, 3211-3222.	4.3	36
116	Homocysteine Upregulates Vascular Cell Adhesion Molecule-1 Expression in Cultured Human Aortic Endothelial Cells and Enhances Monocyte Adhesion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 587-592.	2.4	91
117	Conference Report: 6th Biannual International Meeting "Angiogenesis: Basic Science and Clinical Development". <i>Endothelium: Journal of Endothelial Cell Research</i> , 2002, 9, 55-75.	1.7	0
118	Editorial Comment: A New Beginning. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2002, 9, 1-2.	1.7	0
119	Gene expression profiling of human aortic endothelial cells exposed to disturbed flow and steady laminar flow. <i>Physiological Genomics</i> , 2002, 9, 27-41.	2.3	263
120	Reactive oxygen species, apoptosis and altered NGF-induced signaling in PC12 pheochromocytoma cells cultured in elevated glucose: An In Vitro cellular model for diabetic neuropathy. <i>Neurotoxicity Research</i> , 2001, 3, 189-203.	2.7	47
121	Inhibition of angiogenesis by blockers of volume-regulated anion channels. <i>General Pharmacology</i> , 2000, 34, 107-116.	0.7	42
122	Biodesign of a Skeletal Muscle Flap as a Model for Cardiac Assistance. <i>Artificial Organs</i> , 2000, 24, 137-147.	1.9	3
123	Tissue-specific alternative mRNA splicing of phenylethanolamine N-methyltransferase (PNMT) during development by intron RETENTION. <i>International Journal of Developmental Neuroscience</i> , 1999, 17, 45-55.	1.6	30
124	Growing tissues in microgravity. <i>Nature Medicine</i> , 1998, 4, 901-907.	30.7	349
125	Simulated microgravity conditions enhance differentiation of cultured PC12 cells towards the neuroendocrine phenotype. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1998, 34, 316-325.	1.5	72
126	Comparison of ICAM-1 and VCAM-1 Expression in Various Human Endothelial Cell types and Smooth Muscle Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1998, 6, 33-44.	1.7	31

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127	Cellular Signaling Mechanisms Involved in the 3-Dimensional Assembly and Differentiation of PC12 Pheochromocytoma Cells Under Simulated Microgravity in NASA Rotating Wall Vessel Bioreactors. , 1998, , .		0
128	GTSF-2: A new, versatile cell culture medium for diverse normal and transformed mammalian cells. In Vitro Cellular and Developmental Biology - Animal, 1997, 33, 344-351.	1.5	36
129	Successful endothelialization of cardiovascular prostheses. Cardiovascular Pathology, 1996, 5, 287.	1.6	0
130	Staurosporine induces neurite outgrowth in neuronal hybrids (PC12EN) lacking NGF receptors. Journal of Cellular Biochemistry, 1996, 62, 356-371.	2.6	19
131	Endothelial cell-lined skeletal muscle ventricles in circulation. Journal of Thoracic and Cardiovascular Surgery, 1995, 109, 66-73.	0.8	19
132	Regulation of the adenylyl cyclase signaling system in various types of cultured endothelial cells. Journal of Cellular Biochemistry, 1995, 57, 590-598.	2.6	26
133	Endothelial Lined Skeletal Muscle Ventricles: Open and Percutaneous Seeding Techniques. Journal of Cardiac Surgery, 1995, 10, 245-256.	0.7	7
134	Microgravity decreases tyrosine hydroxylase expression in rat adrenals. FASEB Journal, 1994, 8, 1177-1182.	0.5	15
135	Synthesis, surface, and cell-adhesion properties of polyurethanes containing covalently grafted RGD-peptides. Journal of Biomedical Materials Research Part B, 1994, 28, 329-342.	3.1	168
136	Endothelial Cell Seeding of Latissimus Dorsi Muscle Pouches. Journal of Surgical Research, 1994, 57, 460-469.	1.6	4
137	Flow patterns and endothelial cell morphology in a simplified model of an artificial ventricle. Cell Biophysics, 1993, 23, 139-163.	0.4	5
138	Measurement of cell numbers in microtiter culture plates using the fluorescent dye Hoechst 33258. Journal of Immunological Methods, 1993, 162, 41-45.	1.4	43
139	Conference Report: Endothelial Cell Heterogeneity and Organ Specificity. Endothelium: Journal of Endothelial Cell Research, 1993, 1, 69-70.	1.7	13
140	Neutral endopeptidase activity in the interaction of N-formyl-L-methionyl-L-leucyl-L-phenylalanine with human polymorphonuclear leukocytes. FEBS Journal, 1991, 201, 421-430.	0.2	5
141	New aspects of endothelial cell biology. Journal of Cellular Biochemistry, 1991, 45, 242-244.	2.6	7
142	Establishment and characterization of a clonal line of parathyroid endothelial cells. FASEB Journal, 1990, 4, 3152-3158.	0.5	24
143	Cytosolic calcium changes in endothelial cells induced by a protein product of human gliomas containing vascular permeability factor activity. Journal of Neurosurgery, 1989, 71, 884-891.	1.6	61
144	Staphylococcus aureus $\hat{\pm}$ -toxin activates phospholipases and induces a Ca ²⁺ influx in PC12 cells. Cellular Signalling, 1989, 1, 387-393.	3.6	32

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145	Affinity purified tetanus toxin binds to isolated chromaffin granules and inhibits catecholamine release in digitonin-permeabilized chromaffin cells. FEBS Letters, 1989, 253, 121-128.	2.8	16
146	Pardaxin induces aggregation but not fusion of phosphatidylserine vesicles. FEBS Letters, 1988, 230, 131-136.	2.8	14
147	Destabilization of actin filaments as a requirement for the secretion of catecholamines from permeabilized chromaffin cells. FEBS Letters, 1986, 208, 357-363.	2.8	90
148	Direct fluorometric assay of catecholamine secretion from isolated bovine adrenal chromaffin cells. Journal of Neuroscience Methods, 1985, 13, 249-255.	2.5	8
149	Encapsulation of human fibroblast interferon activity in liposomes. Biochemical and Biophysical Research Communications, 1982, 107, 136-143.	2.1	8
150	Perturbations of membrane structure by optical probes: I. Location and structural sensitivity of merocyanine 540 bound to phospholipid membranes. Journal of Membrane Biology, 1980, 52, 1-15.	2.1	154
151	Perturbations of membrane structure by optical probes: II. Differential scanning calorimetry of dipalmitoyllecithin and its analogs interacting with merocyanine 540. Journal of Membrane Biology, 1980, 54, 141-148.	2.1	24
152	The possible implication of membrane-associated actin in stimulus-secretion coupling in adrenal chromaffin cells. Biochemical and Biophysical Research Communications, 1980, 96, 1717-1723.	2.1	28
153	Potential dependent rigidity changes in lipid membrane vesicles. Biochemical and Biophysical Research Communications, 1979, 90, 656-662.	2.1	34
154	Turgor Pressure Regulation in <i>Valonia utricularis</i> . Plant Physiology, 1976, 58, 608-613.	4.8	59