

Michael Hadjiargyrou

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

5,992
citations

126708

33
h-index

71532

76
g-index

94
all docs

94
docs citations

94
times ranked

7900
citing authors

#	ARTICLE	IF	CITATIONS
1	Abstinence from Chronic Methylphenidate Exposure Modifies Cannabinoid Receptor 1 Levels in the Brain in a Dose-dependent Manner. <i>Current Pharmaceutical Design</i> , 2022, 28, 331-338.	0.9	5
2	Chronic treatment and abstinence from methylphenidate exposure dose-dependently changes glucose metabolism in the rat brain. <i>Brain Research</i> , 2022, 1780, 147799.	1.1	6
3	MicroRNAs and fracture healing: Pre-clinical studies. <i>Bone</i> , 2021, 143, 115758.	1.4	10
4	Chronic oral methylphenidate treatment in adolescent rats promotes dose-dependent effects on NMDA receptor binding. <i>Life Sciences</i> , 2021, 264, 118708.	2.0	7
5	What Do COVID-19 Vaccines Tell Us About Nucleic Acid Delivery In Vivo?. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 321-323.	2.0	0
6	Brief and extended abstinence from chronic oral methylphenidate treatment produces reversible behavioral and physiological effects. <i>Developmental Psychobiology</i> , 2020, 62, 170-180.	0.9	8
7	Weekday-only chronic oral methylphenidate self-administration in male rats: Reversibility of the behavioral and physiological effects. <i>Behavioural Brain Research</i> , 2019, 356, 189-196.	1.2	15
8	Differential Bacterial Colonization and Biofilm Formation on Punctal Occluders. <i>Materials</i> , 2019, 12, 274.	1.3	2
9	The Therapeutic Potential of MicroRNAs as Orthobiologics for Skeletal Fractures. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 797-809.	3.1	31
10	Methylphenidate regulation of osteoclasts in a dose- and sex-dependent manner adversely affects skeletal mechanical integrity. <i>Scientific Reports</i> , 2018, 8, 1515.	1.6	23
11	Synthesis and characterization of poly(ethylene oxide)/polylactide/polylysine triarm star copolymers for gene delivery. <i>Journal of Polymer Science Part A</i> , 2018, 56, 635-644.	2.5	6
12	Chronic oral methylphenidate treatment increases microglial activation in rats. <i>Journal of Neural Transmission</i> , 2018, 125, 1867-1875.	1.4	19
13	Recovery from behavior and developmental effects of chronic oral methylphenidate following an abstinence period. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 172, 22-32.	1.3	19
14	Mustn1: A Developmentally Regulated Pan-Musculoskeletal Cell Marker and Regulatory Gene. <i>International Journal of Molecular Sciences</i> , 2018, 19, 206.	1.8	19
15	Ketamine intervention limits pathogen expansion in vitro. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	7
16	Chronic oral methylphenidate treatment reversibly increases striatal dopamine transporter and dopamine type 1 receptor binding in rats. <i>Journal of Neural Transmission</i> , 2017, 124, 655-667.	1.4	27
17	Sex Differences in the Physiological and Behavioral Effects of Chronic Oral Methylphenidate Treatment in Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 53.	1.0	22
18	Cell-based cytotoxicity assays for engineered nanomaterials safety screening: exposure of adipose derived stromal cells to titanium dioxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2017, 15, 50.	4.2	15

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19	Identification of the microRNA transcriptome during the early phases of mammalian fracture repair. <i>Bone</i> , 2016, 87, 78-88.	1.4	19
20	Cloning of zebrafish <i>Mustn1</i> orthologs and their expression during early development. <i>Gene</i> , 2016, 593, 235-241.	1.0	10
21	Delivery of rhBMP-2 Plasmid DNA Complexes via a PLLA/Collagen Electrospun Scaffold Induces Ectopic Bone Formation. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1285-1296.	0.5	28
22	A pharmacokinetic model of oral methylphenidate in the rat and effects on behavior. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 131, 143-153.	1.3	42
23	Identification and Characterization of a Synthetic Osteogenic Peptide. <i>Calcified Tissue International</i> , 2015, 97, 611-623.	1.5	6
24	Highly cited research articles in <i>Journal of Controlled Release</i> : Commentaries and perspectives by authors. <i>Journal of Controlled Release</i> , 2014, 190, 29-74.	4.8	394
25	The Convergence of Fracture Repair and Stem Cells: Interplay of Genes, Aging, Environmental Factors and Disease. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 2307-2322.	3.1	106
26	The Effect of Exogenous Zinc Concentration on the Responsiveness of MC3T3-E1 Pre-Osteoblasts to Surface Microtopography: Part II (Differentiation). <i>Materials</i> , 2014, 7, 1097-1112.	1.3	14
27	Gold nanoparticles cellular toxicity and recovery: Adipose Derived Stromal cells. <i>Nanotoxicology</i> , 2014, 8, 189-201.	1.6	51
28	6. Reflections on the emergence of new thematic research: Development of electrospun nanostructured DNA delivery scaffolds. <i>Journal of Controlled Release</i> , 2014, 190, 41-44.	4.8	1
29	Reversal of the Detrimental Effects of Simulated Microgravity on Human Osteoblasts by Modified Low Intensity Pulsed Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 804-812.	0.7	15
30	Synthesis and characterization of biocompatible hydrogel using Pluronic-based block copolymers. <i>Polymer</i> , 2013, 54, 2088-2095.	1.8	29
31	The Effect of Exogenous Zinc Concentration on the Responsiveness of MC3T3-E1 Pre-Osteoblasts to Surface Microtopography: Part I (Migration). <i>Materials</i> , 2013, 6, 5517-5532.	1.3	7
32	The Intertwining of Transposable Elements and Non-Coding RNAs. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13307-13328.	1.8	107
33	A novel GFP reporter mouse reveals <i>Mustn1</i> expression in adult regenerating skeletal muscle, activated satellite cells and differentiating myoblasts. <i>Acta Physiologica</i> , 2013, 208, 180-190.	1.8	25
34	Chronic exposure to methylphenidate impairs appendicular bone quality in young rats. <i>Bone</i> , 2012, 50, 1214-1222.	1.4	36
35	<i>Mustn1</i> is essential for craniofacial chondrogenesis during <i>Xenopus</i> development. <i>Gene Expression Patterns</i> , 2012, 12, 145-153.	0.3	10
36	<i>Cdk2</i> Silencing via a DNA/PCL Electrospun Scaffold Suppresses Proliferation and Increases Death of Breast Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e52356.	1.1	48

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37	The Effects of UV Emission from Compact Fluorescent Light Exposure on Human Dermal Fibroblasts and Keratinocytes <i>In Vitro</i> . <i>Photochemistry and Photobiology</i> , 2012, 88, 1497-1506.	1.3	22
38	Induction of Cell Migration <i>In Vitro</i> by an Electrospun PDGF-BB/PLGA/PEG-PLA Nanofibrous Scaffold. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 823-829.	0.5	19
39	The role of moderate static magnetic fields on biomineralization of osteoblasts on sulfonated polystyrene films. <i>Biomaterials</i> , 2011, 32, 7831-7838.	5.7	50
40	Temporal and spatial expression of osteoactivin during fracture repair. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 295-309.	1.2	30
41	Characterizing DNA Condensation and Conformational Changes in Organic Solvents. <i>PLoS ONE</i> , 2010, 5, e13308.	1.1	37
42	Silencing of <i>Mustn1</i> inhibits myogenic fusion and differentiation. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C1100-C1108.	2.1	38
43	Gold nanoparticles cellular toxicity and recovery: Effect of size, concentration and exposure time. <i>Nanotoxicology</i> , 2010, 4, 120-137.	1.6	330
44	For Teachers, All the Classroom's a Stage. <i>Science</i> , 2009, 323, 1009-1009.	6.0	0
45	Periostin is a key factor in osteogenesis. <i>Journal of Cellular Physiology</i> , 2009, 218, 584-592.	2.0	56
46	Mustn1 is expressed during chondrogenesis and is necessary for chondrocyte proliferation and differentiation in vitro. <i>Bone</i> , 2009, 45, 330-338.	1.4	21
47	The Lipogenic Gene Spot 14 is Activated in Bone by Disuse yet Remains Unaffected by a Mechanical Signal Anabolic to the Skeleton. <i>Calcified Tissue International</i> , 2008, 82, 148-154.	1.5	4
48	Enhanced composite electrospun nanofiber scaffolds for use in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2008, 5, 1093-1106.	2.4	71
49	Characterization of <i>Mustn1</i> ^{PRO} -GFP ^{tpz} transgenic mice. , 2007, , .		0
50	The characterization of Mustang in chondrogenesis in vitro. , 2007, , .		0
51	Functionalization of poly(L-lactide) nanofibrous scaffolds with bioactive collagen molecules. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 1117-1127.	2.1	62
52	Enhanced Bone Regeneration Associated With Decreased Apoptosis in Mice With Partial HIF-1 α Deficiency. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 366-374.	3.1	54
53	Wnt signaling activation during bone regeneration and the role of Dishevelled in chondrocyte proliferation and differentiation. <i>Bone</i> , 2006, 39, 5-16.	1.4	108
54	Identification and characterization of the Mustang promoter: Regulation by AP-1 during myogenic differentiation. <i>Bone</i> , 2006, 39, 815-824.	1.4	20

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55	Scaffolds with encapsulated DNA for non-viral gene delivery. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4394-4399.	1.5	2
56	A new pathway for developing in vitro nanostructured non-viral gene carriers. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2513-S2525.	0.7	11
57	Electrospun Nanofibrous Scaffolds for Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , 2005, 1, 115-132.	0.5	44
58	Reactivation of Hox gene expression during bone regeneration. <i>Journal of Orthopaedic Research</i> , 2005, 23, 882-890.	1.2	42
59	Mechanical modulation of molecular signals which regulate anabolic and catabolic activity in bone tissue. <i>Journal of Cellular Biochemistry</i> , 2005, 94, 982-994.	1.2	54
60	In vitro non-viral gene delivery with nanofibrous scaffolds. <i>Nucleic Acids Research</i> , 2005, 33, e170-e170.	6.5	102
61	Gene expression patterns in bone after 4 days of hind-limb unloading in two inbred strains of mice. <i>Aviation, Space, and Environmental Medicine</i> , 2005, 76, 530-5.	0.6	9
62	Statistical Approaches in the Analysis of Gene Expression Data Derived from Bone Regeneration Specific cDNA Microarrays. <i>Journal of Biopharmaceutical Statistics</i> , 2004, 14, 607-628.	0.4	2
63	Molecular cloning and characterization of Mustang, a novel nuclear protein expressed during skeletal development and regeneration. <i>FASEB Journal</i> , 2004, 18, 52-61.	0.2	43
64	Incorporation and controlled release of a hydrophilic antibiotic using poly(lactide-co-glycolide)-based electrospun nanofibrous scaffolds. <i>Journal of Controlled Release</i> , 2004, 98, 47-56.	4.8	707
65	Activation of the transcription factor HIF-1 and its target genes, VEGF, HO-1, iNOS, during fracture repair. <i>Bone</i> , 2004, 34, 680-688.	1.4	191
66	Integrin $\alpha 2 \beta 1$ affects mechano-transduction in slowly and rapidly adapting cutaneous mechanoreceptors in rat hairy skin. <i>Neuroscience</i> , 2004, 129, 447-459.	1.1	14
67	Development of a nanostructured DNA delivery scaffold via electrospinning of PLGA and PLA-PEG block copolymers. <i>Journal of Controlled Release</i> , 2003, 89, 341-353.	4.8	766
68	Control of degradation rate and hydrophilicity in electrospun non-woven poly(D,L-lactide) nanofiber scaffolds for biomedical applications. <i>Biomaterials</i> , 2003, 24, 4977-4985.	5.7	524
69	Transcriptional Profiling of Bone Regeneration. <i>Journal of Biological Chemistry</i> , 2002, 277, 30177-30182.	1.6	230
70	The Second Creation: Dolly and the Age of Biological Control. By Ian Wilmut, Keith Campbell, and Colin Tudge. Cambridge (Massachusetts): Harvard University Press. \$16.95 (paper). xvii + 333 p + 8 pl; ill.; index. ISBN: 0-674-00586-4. [First published in 2000 by Headline Book Publishing, United Kingdom; first published in the United States by Farrar, Straus and Giroux.] 2000.. <i>Quarterly Review of Biology</i> , 2002, 77, 202-203.	0.0	0
71	Proline-rich transcript of the brain (prtbb) is a serum-responsive gene in osteoblasts and upregulated during adhesion. <i>Journal of Cellular Biochemistry</i> , 2002, 84, 301-308.	1.2	15
72	Differential Phosphorylation of Paxillin in Response to Surface-Bound Serum Proteins during Early Osteoblast Adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 355-363.	1.0	19

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73	The E11 osteoblastic lineage marker is differentially expressed during fracture healing. <i>Bone</i> , 2001, 29, 149-154.	1.4	32
74	Differential Expression of Neuroleukin in Osseous Tissues and Its Involvement in Mineralization During Osteoblast Differentiation. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1994-2004.	3.1	29
75	The Use of Low-Intensity Ultrasound to Accelerate the Healing of Fractures. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001, 83, 259-270.	1.4	302
76	Temporal Expression of the Chondrogenic and Angiogenic Growth Factor CYR61 During Fracture Repair. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1014-1023.	3.1	100
77	Expression of integrin $\alpha 2 \beta 1$ in axons and receptive endings of neurons in rat, hairy skin. <i>Neuroscience Letters</i> , 2000, 293, 13-16.	1.0	18
78	Increased expression of matrix metalloproteinase-1 in osteocytes precedes bone resorption as stimulated by disuse: Evidence for autoregulation of the cell's mechanical environment?. <i>Journal of Orthopaedic Research</i> , 1999, 17, 354-361.	1.2	25
79	Increased Expression of Matrix Metalloproteinase-1 in Osteocytes Precedes Bone Resorption as Stimulated by Disuse: Evidence for Autoregulation of the Cell's Mechanical Environment?. <i>Journal of Bone and Joint Surgery - Series A</i> , 1999, 81, 54.	1.4	0
80	Heat shock proteins in retinal neurogenesis: identification of the PM1 antigen as the chick Hsc70 and its expression in comparison to that of other chaperones. <i>European Journal of Neuroscience</i> , 1998, 10, 3237-3245.	1.2	18
81	Cloning of a Novel cDNA Expressed during the Early Stages of Fracture Healing. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 879-884.	1.0	21
82	Enhancement of Fracture Healing by Low Intensity Ultrasound. <i>Clinical Orthopaedics and Related Research</i> , 1998, 355S, S216-S229.	0.7	194
83	An Antibody to the Tetraspan Membrane Protein CD9 Promotes Neurite Formation in a Partially $\alpha 3 \beta 1$ Integrin-Dependent Manner. <i>Journal of Neuroscience</i> , 1997, 17, 2756-2765.	1.7	38
84	Association of the Tetraspan Protein CD9 with Integrins on the Surface of $\alpha 6$ Schwann Cells. <i>Journal of Neurochemistry</i> , 1996, 67, 2505-2513.	2.1	44
85	An anti-CD9 monoclonal antibody promotes adhesion and induces proliferation of Schwann cells in vitro. <i>Journal of Neuroscience</i> , 1995, 15, 574-583.	1.7	82
86	CD9 plays a role in Schwann cell migration in vitro. <i>Journal of Neuroscience</i> , 1995, 15, 584-595.	1.7	119
87	CD9, a major platelet cell surface glycoprotein, is a ROCA antigen and is expressed in the nervous system. <i>Journal of Neuroscience</i> , 1995, 15, 562-573.	1.7	76
88	A transfected human ribosomal RIM A gene is present in the nucleolus of human cells. <i>Cytogenetic and Genome Research</i> , 1994, 66, 58-62.	0.6	2
89	Transcription of rDNA is essential for satellite association. <i>Cytogenetic and Genome Research</i> , 1994, 66, 63-67.	0.6	3
90	Development of a cell-delivery vehicle derived from electrospun non-woven nanostructured membranes. , 0, , .		0

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91	Characterization of an electrospun poly(lactide-co-glycolide) and block copolymer-based, nanostructured matrix for DNA delivery. , 0, , .		0
92	Incorporation of DNA into Electrospun Nanofibrous Scaffolds: Fundamental Characterization Studies and Gene Delivery. , 0, , .		1
93	Identification of a novel gene isolated from a fracture callus. , 0, , .		0
94	Abstinence Following Intermittent Methylphenidate Exposure Doseâ€pendently Modifies Brain Glucose Metabolism in the Rat Brain. Synapse, 0, , .	0.6	2