

Michael Hadjiargyrou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1881757/publications.pdf>

Version: 2024-02-01

94
papers

5,992
citations

126907
33
h-index

71685
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.	1.9	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.	2.2	6
3	MicroRNAs and fracture healing: Pre-clinical studies. <i>Bone</i> , 2021, 143, 115758.	2.9	10
4	Chronic oral methylphenidate treatment in adolescent rats promotes dose-dependent effects on NMDA receptor binding. <i>Life Sciences</i> , 2021, 264, 118708.	4.3	7
5	What Do COVID-19 Vaccines Tell Us About Nucleic Acid Delivery In Vivo?. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 321-323.	3.6	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.	1.6	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.	2.2	15
8	Differential Bacterial Colonization and Biofilm Formation on Punctal Occluders. <i>Materials</i> , 2019, 12, 274.	2.9	2
9	The Therapeutic Potential of MicroRNAs as Orthobiologics for Skeletal Fractures. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 797-809.	2.8	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.	3.3	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.	2.3	6
12	Chronic oral methylphenidate treatment increases microglial activation in rats. <i>Journal of Neural Transmission</i> , 2018, 125, 1867-1875.	2.8	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.	2.9	19
14	Mustn1: A Developmentally Regulated Pan-Musculoskeletal Cell Marker and Regulatory Gene. <i>International Journal of Molecular Sciences</i> , 2018, 19, 206.	4.1	19
15	Ketamine intervention limits pathogen expansion in vitro. <i>Pathogens and Disease</i> , 2018, 76, .	2.0	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.	2.8	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.	2.0	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.	9.1	15

#	ARTICLE	IF	CITATIONS
19	Identification of the microRNA transcriptome during the early phases of mammalian fracture repair. Bone, 2016, 87, 78-88.	2.9	19
20	Cloning of zebrafish Mustn1 orthologs and their expression during early development. Gene, 2016, 593, 235-241.	2.2	10
21	Delivery of rhBMP-2 Plasmid DNA Complexes via a PLLA/Collagen Electrospun Scaffold Induces Ectopic Bone Formation. Journal of Biomedical Nanotechnology, 2016, 12, 1285-1296.	1.1	28
22	A pharmacokinetic model of oral methylphenidate in the rat and effects on behavior. Pharmacology Biochemistry and Behavior, 2015, 131, 143-153.	2.9	42
23	Identification and Characterization of a Synthetic Osteogenic Peptide. Calcified Tissue International, 2015, 97, 611-623.	3.1	6
24	Highly cited research articles in Journal of Controlled Release: Commentaries and perspectives by authors. Journal of Controlled Release, 2014, 190, 29-74.	9.9	394
25	The Convergence of Fracture Repair and Stem Cells: Interplay of Genes, Aging, Environmental Factors and Disease. Journal of Bone and Mineral Research, 2014, 29, 2307-2322.	2.8	106
26	The Effect of Exogenous Zinc Concentration on the Responsiveness of MC3T3-E1 Pre-Osteoblasts to Surface Microtopography: Part II (Differentiation). Materials, 2014, 7, 1097-1112.	2.9	14
27	Gold nanoparticles cellular toxicity and recovery: Adipose Derived Stromal cells. Nanotoxicology, 2014, 8, 189-201.	3.0	51
28	6. Reflections on the emergence of new thematic research: Development of electrospun nanostructured DNA delivery scaffolds. Journal of Controlled Release, 2014, 190, 41-44.	9.9	1
29	Reversal of the Detrimental Effects of Simulated Microgravity on Human Osteoblasts by Modified Low Intensity Pulsed Ultrasound. Ultrasound in Medicine and Biology, 2013, 39, 804-812.	1.5	15
30	Synthesis and characterization of biocompatible hydrogel using Pluronics-based block copolymers. Polymer, 2013, 54, 2088-2095.	3.8	29
31	The Effect of Exogenous Zinc Concentration on the Responsiveness of MC3T3-E1 Pre-Osteoblasts to Surface Microtopography: Part I (Migration). Materials, 2013, 6, 5517-5532.	2.9	7
32	The Intertwining of Transposable Elements and Non-Coding RNAs. International Journal of Molecular Sciences, 2013, 14, 13307-13328.	4.1	107
33	A novel <sc>GFP</sc> reporter mouse reveals <i><sc>M</sc>ustn1</i> expression in adult regenerating skeletal muscle, activated satellite cells and differentiating myoblasts. Acta Physiologica, 2013, 208, 180-190.	3.8	25
34	Chronic exposure to methylphenidate impairs appendicular bone quality in young rats. Bone, 2012, 50, 1214-1222.	2.9	36
35	Mustn1 is essential for craniofacial chondrogenesis during Xenopus development. Gene Expression Patterns, 2012, 12, 145-153.	0.8	10
36	Cdk2 Silencing via a DNA/PCL Electrospun Scaffold Suppresses Proliferation and Increases Death of Breast Cancer Cells. PLoS ONE, 2012, 7, e52356.	2.5	48

#	ARTICLE	IF	CITATIONS
37	The Effects of UV Emission from Compact Fluorescent Light Exposure on Human Dermal Fibroblasts and Keratinocytes <i>In Vitro</i> . Photochemistry and Photobiology, 2012, 88, 1497-1506.	2.5	22
38	Induction of Cell Migration <i>In Vitro</i> by an Electrospun PDGF-BB/PLGA/PEG-PLA Nanofibrous Scaffold. Journal of Biomedical Nanotechnology, 2011, 7, 823-829.	1.1	19
39	The role of moderate static magnetic fields on biomineralization of osteoblasts on sulfonated polystyrene films. Biomaterials, 2011, 32, 7831-7838.	11.4	50
40	Temporal and spatial expression of osteoactivin during fracture repair. Journal of Cellular Biochemistry, 2010, 111, 295-309.	2.6	30
41	Characterizing DNA Condensation and Conformational Changes in Organic Solvents. PLoS ONE, 2010, 5, e13308.	2.5	37
42	Silencing of <i>Mustn1</i> inhibits myogenic fusion and differentiation. American Journal of Physiology - Cell Physiology, 2010, 298, C1100-C1108.	4.6	38
43	Gold nanoparticles cellular toxicity and recovery: Effect of size, concentration and exposure time. Nanotoxicology, 2010, 4, 120-137.	3.0	330
44	For Teachers, All the Classroom's a Stage. Science, 2009, 323, 1009-1009.	12.6	0
45	Periostin ^{hi} factor in osteogenesis. Journal of Cellular Physiology, 2009, 218, 584-592.	4.1	56
46	Mustn1 is expressed during chondrogenesis and is necessary for chondrocyte proliferation and differentiation in vitro. Bone, 2009, 45, 330-338.	2.9	21
47	The Lipogenic Gene Spot 14 is Activated in Bone by Disuse yet Remains Unaffected by a Mechanical Signal Anabolic to the Skeleton. Calcified Tissue International, 2008, 82, 148-154.	3.1	4
48	Enhanced composite electrospun nanofiber scaffolds for use in drug delivery. Expert Opinion on Drug Delivery, 2008, 5, 1093-1106.	5.0	71
49	Characterization of Mustn1 ^{hi} PRO ^{hi} -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. Journal of Biomedical Materials Research - Part A, 2007, 83A, 1117-1127.	4.0	62
52	Enhanced Bone Regeneration Associated With Decreased Apoptosis in Mice With Partial HIF-1 ^{hi} Deficiency. Journal of Bone and Mineral Research, 2007, 22, 366-374.	2.8	54
53	Wnt signaling activation during bone regeneration and the role of Dishevelled in chondrocyte proliferation and differentiation. Bone, 2006, 39, 5-16.	2.9	108
54	Identification and characterization of the Mustang promoter: Regulation by AP-1 during myogenic differentiation. Bone, 2006, 39, 815-824.	2.9	20

#	ARTICLE	IF	CITATIONS
55	Scaffolds with encapsulated DNA for non-viral gene delivery. Journal of Non-Crystalline Solids, 2006, 352, 4394-4399.	3.1	2
56	A new pathway for developing in vitro nanostructured non-viral gene carriers. Journal of Physics Condensed Matter, 2006, 18, S2513-S2525.	1.8	11
57	Electrospun Nanofibrous Scaffolds for Biomedical Applications. Journal of Biomedical Nanotechnology, 2005, 1, 115-132.	1.1	44
58	Reactivation of Hox gene expression during bone regeneration. Journal of Orthopaedic Research, 2005, 23, 882-890.	2.3	42
59	Mechanical modulation of molecular signals which regulate anabolic and catabolic activity in bone tissue. Journal of Cellular Biochemistry, 2005, 94, 982-994.	2.6	54
60	In vitro non-viral gene delivery with nanofibrous scaffolds. Nucleic Acids Research, 2005, 33, e170-e170.	14.5	102
61	Gene expression patterns in bone after 4 days of hind-limb unloading in two inbred strains of mice. Aviation, Space, and Environmental Medicine, 2005, 76, 530-5.	0.5	9
62	Statistical Approaches in the Analysis of Gene Expression Data Derived from Bone Regeneration Specific cDNA Microarrays. Journal of Biopharmaceutical Statistics, 2004, 14, 607-628.	0.8	2
63	Molecular cloning and characterization of Mustang, a novel nuclear protein expressed during skeletal development and regeneration. FASEB Journal, 2004, 18, 52-61.	0.5	43
64	Incorporation and controlled release of a hydrophilic antibiotic using poly(lactide-co-glycolide)-based electrospun nanofibrous scaffolds. Journal of Controlled Release, 2004, 98, 47-56.	9.9	707
65	Activation of the transcription factor HIF-1 and its target genes, VEGF, HO-1, iNOS, during fracture repair. Bone, 2004, 34, 680-688.	2.9	191
66	Integrin $\alpha 2 \beta 1$ affects mechano-transduction in slowly and rapidly adapting cutaneous mechanoreceptors in rat hairy skin. Neuroscience, 2004, 129, 447-459.	2.3	14
67	Development of a nanostructured DNA delivery scaffold via electrospinning of PLGA and PLA-PEG block copolymers. Journal of Controlled Release, 2003, 89, 341-353.	9.9	766
68	Control of degradation rate and hydrophilicity in electrospun non-woven poly(D,L-lactide) nanofiber scaffolds for biomedical applications. Biomaterials, 2003, 24, 4977-4985.	11.4	524
69	Transcriptional Profiling of Bone Regeneration. Journal of Biological Chemistry, 2002, 277, 30177-30182.	3.4	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.. Quarterly Review of Biology, 2002, 77, 202-203.	0.1	0
71	Proline-rich transcript of the brain (prtb) is a serum-responsive gene in osteoblasts and upregulated during adhesion. Journal of Cellular Biochemistry, 2002, 84, 301-308.	2.6	15
72	Differential Phosphorylation of Paxillin in Response to Surface-Bound Serum Proteins during Early Osteoblast Adhesion. Biochemical and Biophysical Research Communications, 2001, 285, 355-363.	2.1	19

#	ARTICLE	IF	CITATIONS
73	The E11 osteoblastic lineage marker is differentially expressed during fracture healing. Bone, 2001, 29, 149-154.	2.9	32
74	Differential Expression of Neuroleukin in Osseous Tissues and Its Involvement in Mineralization During Osteoblast Differentiation. Journal of Bone and Mineral Research, 2001, 16, 1994-2004.	2.8	29
75	The Use of Low-Intensity Ultrasound to Accelerate the Healing of Fractures. Journal of Bone and Joint Surgery - Series A, 2001, 83, 259-270.	3.0	302
76	Temporal Expression of the Chondrogenic and Angiogenic Growth Factor CYR61 During Fracture Repair. Journal of Bone and Mineral Research, 2000, 15, 1014-1023.	2.8	100
77	Expression of integrin $\alpha 2 \beta 1$ in axons and receptive endings of neurons in rat, hairy skin. Neuroscience Letters, 2000, 293, 13-16.	2.1	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?. Journal of Orthopaedic Research, 1999, 17, 354-361.	2.3	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?. Journal of Bone and Joint Surgery - Series A, 1999, 81, 54.	3.0	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. European Journal of Neuroscience, 1998, 10, 3237-3245.	2.6	18
81	Cloning of a Novel cDNA Expressed during the Early Stages of Fracture Healing. Biochemical and Biophysical Research Communications, 1998, 249, 879-884.	2.1	21
82	Enhancement of Fracture Healing by Low Intensity Ultrasound. Clinical Orthopaedics and Related Research, 1998, 355S, S216-S229.	1.5	194
83	An Antibody to the Tetraspan Membrane Protein CD9 Promotes Neurite Formation in a Partially $\alpha 3 \beta 1$ Integrin-Dependent Manner. Journal of Neuroscience, 1997, 17, 2756-2765.	3.6	38
84	Association of the Tetraspan Protein CD9 with Integrins on the Surface of $\alpha 6$ Schwann Cells. Journal of Neurochemistry, 1996, 67, 2505-2513.	3.9	44
85	An anti-CD9 monoclonal antibody promotes adhesion and induces proliferation of Schwann cells in vitro. Journal of Neuroscience, 1995, 15, 574-583.	3.6	82
86	CD9 plays a role in Schwann cell migration in vitro. Journal of Neuroscience, 1995, 15, 584-595.	3.6	119
87	CD9, a major platelet cell surface glycoprotein, is a ROCA antigen and is expressed in the nervous system. Journal of Neuroscience, 1995, 15, 562-573.	3.6	76
88	A transfected human ribosomal RIM A gene is present in the nucleolus of human cells. Cytogenetic and Genome Research, 1994, 66, 58-62.	1.1	2
89	Transcription of rDNA is essential for satellite association. Cytogenetic and Genome Research, 1994, 66, 63-67.	1.1	3
90	Development of a cell-delivery vehicle derived from electrospun non-woven nanostructured membranes. , 0, , .		0

#	ARTICLE	IF	CITATIONS
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€Dependently Modifies Brain Glucose Metabolism in the Rat Brain. Synapse, 0, , .	1.2	2