

Meriem Lamghari

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,862
citations

218592

26
h-index

265120

42
g-index

59
all docs

59
docs citations

59
times ranked

2568
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium Signalling in Breast Cancer Associated Bone Pain. International Journal of Molecular Sciences, 2022, 23, 1902.	1.8	5
2	A metastasis-on-a-chip approach to explore the sympathetic modulation of breast cancer bone metastasis. Materials Today Bio, 2022, 13, 100219.	2.6	17
3	Micropathological Chip Modeling the Neurovascular Unit Response to Inflammatory Bone Condition. Advanced Healthcare Materials, 2022, 11, e2102305.	3.9	14
4	Cutting-Edge Technologies for Inflamed Joints on Chip: How Close Are We?. Frontiers in Immunology, 2022, 13, 802440.	2.2	6
5	The Neuroimmune Interplay in Joint Pain: The Role of Macrophages. Frontiers in Immunology, 2022, 13, 812962.	2.2	9
6	Stress in Metastatic Breast Cancer: To the Bone and Beyond. Cancers, 2022, 14, 1881.	1.7	9
7	Microfluidic-based models to address the bone marrow metastatic niche complexity. Seminars in Cell and Developmental Biology, 2021, 112, 27-36.	2.3	1
8	Sympathetic activity in breast cancer and metastasis: partners in crime. Bone Research, 2021, 9, 9.	5.4	29
9	Polymeric Microspheres/Cells/Extracellular Matrix Constructs Produced by Auto-Assembly for Bone Modular Tissue Engineering. International Journal of Molecular Sciences, 2021, 22, 7897.	1.8	6
10	Bidirectional flow of action potentials in axons drives activity dynamics in neuronal cultures. Journal of Neural Engineering, 2021, 18, 066045.	1.8	11
11	Fluorescent H ₂ Receptor Squaramide-Type Antagonists: Synthesis, Characterization, and Applications. ACS Medicinal Chemistry Letters, 2020, 11, 1521-1528.	1.3	5
12	Determination of neuropeptide Y Y1 receptor antagonist BIBP 3226 and evaluation of receptor expression based on liquid chromatography coupled with tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 6625-6632.	1.9	2
13	Osteoblasts are inherently programmed to repel sensory innervation. Bone Research, 2020, 8, 20.	5.4	16
14	The lack of neuropeptide Y ϵ 1 receptor signaling modulates the chemical and mechanical properties of bone matrix. FASEB Journal, 2020, 34, 4163-4177.	0.2	4
15	Human dental pulp stem cells exhibit enhanced properties in comparison to human bone marrow stem cells on neurites outgrowth. FASEB Journal, 2020, 34, 5499-5511.	0.2	33
16	Exploring Poly(Ethylene Glycol)-Poly(Trimethylene Carbonate) Nanoparticles as Carriers of Hydrophobic Drugs to Modulate Osteoblastic Activity. Journal of Pharmaceutical Sciences, 2020, 109, 1594-1604.	1.6	4
17	Bone marrow cell response after injury and during early stage of regeneration is independent of the tissue's injury in 2 injury models. FASEB Journal, 2019, 33, 857-872.	0.2	9
18	The alliance between nerve fibers and stem cell populations in bone marrow: life partners in sickness and health. FASEB Journal, 2019, 33, 8697-8710.	0.2	11

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19	µSpikeHunter: An advanced computational tool for the analysis of neuronal communication and action potential propagation in microfluidic platforms. <i>Scientific Reports</i> , 2019, 9, 5777.	1.6	10
20	Gas-phase structural characterization of neuropeptides Y1 receptor antagonists using mass spectrometry: Orbitrap vs triple quadrupole. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 227-234.	1.4	3
21	Neuroimmune expression in hip osteoarthritis: a systematic review. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 394.	0.8	10
22	Injectable hybrid system for strontium local delivery promotes bone regeneration in a rat critical-sized defect model. <i>Scientific Reports</i> , 2017, 7, 5098.	1.6	38
23	N-acetylcysteine-functionalized coating avoids bacterial adhesion and biofilm formation. <i>Scientific Reports</i> , 2017, 7, 17374.	1.6	50
24	Axonal outgrowth, neuropeptides expression and receptors tyrosine kinase phosphorylation in 3D organotypic cultures of adult dorsal root ganglia. <i>PLoS ONE</i> , 2017, 12, e0181612.	1.1	13
25	Therapeutic Drugs in Bone Loss-Associated Disorders: Clinical Outcomes and Challenges. <i>Current Drug Targets</i> , 2017, 18, 696-704.	1.0	0
26	Bone Injury and Repair Trigger Central and Peripheral NPY Neuronal Pathways. <i>PLoS ONE</i> , 2016, 11, e0165465.	1.1	16
27	Fibrinogen scaffolds with immunomodulatory properties promote <i>in vivo</i> bone regeneration. <i>Biomaterials</i> , 2016, 111, 163-178.	5.7	54
28	Immune response and innervation signatures in aseptic hip implant loosening. <i>Journal of Translational Medicine</i> , 2016, 14, 205.	1.8	23
29	Compartmentalized Microfluidic Platforms: The Unrivaled Breakthrough of <i>In Vitro</i> Tools for Neurobiological Research. <i>Journal of Neuroscience</i> , 2016, 36, 11573-11584.	1.7	104
30	Ablation of Y1 receptor impairs osteoclast bone-resorbing activity. <i>Scientific Reports</i> , 2016, 6, 33470.	1.6	21
31	The two faces of metal ions: From implants rejection to tissue repair/regeneration. <i>Biomaterials</i> , 2016, 84, 262-275.	5.7	95
32	Fracture pain—Traveling unknown pathways. <i>Bone</i> , 2016, 85, 107-114.	1.4	34
33	Communication from the periphery to the hypothalamus through the blood—brain barrier: An <i>in vitro</i> platform. <i>International Journal of Pharmaceutics</i> , 2016, 499, 119-130.	2.6	8
34	Compartmentalized Microfluidic Platforms as Tool of Choice to Study the Interaction Between Neurons and Osteoblasts. <i>Neuromethods</i> , 2015, , 161-179.	0.2	1
35	Microfluidics co-culture systems for studying tooth innervation. <i>Frontiers in Physiology</i> , 2014, 5, 326.	1.3	40
36	Sensory neurons and osteoblasts: close partners in a microfluidic platform. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 586-595.	0.6	52

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37	Adsorbed fibrinogen leads to improved bone regeneration and correlates with differences in the systemic immune response. <i>Acta Biomaterialia</i> , 2013, 9, 7209-7217.	4.1	46
38	Neuropeptide Y modulates fracture healing through Y ₁ receptor signaling. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1570-1578.	1.2	28
39	Neuropeptide Y ₁ receptor antagonism increases bone mass in mice. <i>Bone</i> , 2012, 51, 8-16.	1.4	54
40	Neuropeptide Y expression and function during osteoblast differentiation – insights from transthyretin knockout mice. <i>FEBS Journal</i> , 2010, 277, 263-275.	2.2	35
41	Neuropeptide Y and osteoblast differentiation – the balance between the neuro-osteogenic network and local control. <i>FEBS Journal</i> , 2010, 277, 3664-3674.	2.2	47
42	Protein Matrices for Improved Wound Healing: Elastase Inhibition by a Synthetic Peptide Model. <i>Biomacromolecules</i> , 2010, 11, 2213-2220.	2.6	31
43	NPY revealed as a critical modulator of osteoblast function in vitro: New insights into the role of Y ₁ and Y ₂ receptors. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 908-916.	1.2	75
44	NPY Signalling Pathway in Bone Homeostasis: Y ₁ Receptor as a Potential Drug Target. <i>Current Drug Targets</i> , 2009, 10, 9-19.	1.0	23
45	Osteoblast adhesion and morphology on TiO ₂ depends on the competitive preadsorption of albumin and fibronectin. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 281-290.	2.1	90
46	Greater Bone Formation of Y ₂ Knockout Mice Is Associated with Increased Osteoprogenitor Numbers and Altered Y ₁ Receptor Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 19082-19091.	1.6	128
47	Leptin effect on RANKL and OPG expression in MC3T3-E1 osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 1123-1129.	1.2	46
48	Proliferation, activity, and osteogenic differentiation of bone marrow stromal cells cultured on calcium titanium phosphate microspheres. <i>Journal of Biomedical Materials Research Part B</i> , 2005, 72A, 57-66.	3.0	53
49	Rat bone marrow stromal cell osteogenic differentiation and fibronectin adsorption on chitosan membranes: The effect of the degree of acetylation. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 387-397.	2.1	59
50	Biological evaluation of calcium alginate microspheres as a vehicle for the localized delivery of a therapeutic enzyme. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 545-552.	2.1	43
51	Recombinant glucocerebrosidase uptake by Gaucher disease human osteoblast culture model. <i>Blood Cells, Molecules, and Diseases</i> , 2005, 35, 348-354.	0.6	5
52	The Dualism of Nacre. <i>Key Engineering Materials</i> , 2004, 254-256, 733-736.	0.4	7
53	Biocompatibility of chemoenzymatically derived dextran-acrylate hydrogels. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 68A, 584-596.	3.0	52
54	Conservation of signal molecules involved in biomineralisation control in calcifying matrices of bone and shell. <i>Comptes Rendus - Palevol</i> , 2004, 3, 493-501.	0.1	24

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55	Bone reactions to nacre injected percutaneously into the vertebrae of sheep. <i>Biomaterials</i> , 2001, 22, 555-562.	5.7	73
56	Arthrodesis of Lumbar Spine Transverse Processes Using Nacre in Rabbit. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 2232-2237.	3.1	33
57	A model for evaluating injectable bone replacements in the vertebrae of sheep: radiological and histological study. <i>Biomaterials</i> , 1999, 20, 2107-2114.	5.7	24
58	Stimulation of bone marrow cells and bone formation by nacre: in vivo and in vitro studies. <i>Bone</i> , 1999, 25, 91S-94S.	1.4	120