Meriem Lamghari

List of Publications by Year
in descending order

58	1,862	218677	265206
papers	citations	26 h-index	42 g-index

59	59	59	2568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Greater Bone Formation of Y2 Knockout Mice Is Associated with Increased Osteoprogenitor Numbers and Altered Y1 Receptor Expression. Journal of Biological Chemistry, 2007, 282, 19082-19091.	3.4	128
2	Stimulation of bone marrow cells and bone formation by nacre: in vivo and in vitro studies. Bone, 1999, 25, 91S-94S.	2.9	120
3	Compartmentalized Microfluidic Platforms: The Unrivaled Breakthrough ofIn VitroTools for Neurobiological Research. Journal of Neuroscience, 2016, 36, 11573-11584.	3.6	104
4	The two faces of metal ions: From implants rejection to tissue repair/regeneration. Biomaterials, 2016, 84, 262-275.	11.4	95
5	Osteoblast adhesion and morphology on TiO₂ depends on the competitive preadsorption of albumin and fibronectin. Journal of Biomedical Materials Research - Part A, 2008, 84A, 281-290.	4.0	90
6	NPY revealed as a critical modulator of osteoblast function in vitro: New insights into the role of Y1 and Y2 receptors. Journal of Cellular Biochemistry, 2009, 107, 908-916.	2.6	75
7	Bone reactions to nacre injected percutaneously into the vertebrae of sheep. Biomaterials, 2001, 22, 555-562.	11.4	73
8	Rat bone marrow stromal cell osteogenic differentiation and fibronectin adsorption on chitosan membranes: The effect of the degree of acetylation. Journal of Biomedical Materials Research - Part A, 2005, 75A, 387-397.	4.0	59
9	Neuropeptide Y Y1 receptor antagonism increases bone mass in mice. Bone, 2012, 51, 8-16.	2.9	54
10	Fibrinogen scaffolds with immunomodulatory properties promote inÂvivo bone regeneration. Biomaterials, 2016, 111, 163-178.	11.4	54
11	Proliferation, activity, and osteogenic differentiation of bone marrow stromal cells cultured on calcium titanium phosphate microspheres. Journal of Biomedical Materials Research Part B, 2005, 72A, 57-66.	3.1	53
12	Biocompatibility of chemoenzymatically derived dextran-acrylate hydrogels. Journal of Biomedical Materials Research Part B, 2004, 68A, 584-596.	3.1	52
13	Sensory neurons and osteoblasts: close partners in a microfluidic platform. Integrative Biology (United Kingdom), 2014, 6, 586-595.	1.3	52
14	N-acetylcysteine-functionalized coating avoids bacterial adhesion and biofilm formation. Scientific Reports, 2017, 7, 17374.	3.3	50
15	Neuropeptide Y and osteoblast differentiation â€“ the balance between the neuroâ€osteogenic network and local control. FEBS Journal, 2010, 277, 3664-3674.	4.7	47
16	Leptin effect on RANKL and OPG expression in MC3T3-E1 osteoblasts. Journal of Cellular Biochemistry, 2006, 98, 1123-1129.	2.6	46
17	Adsorbed fibrinogen leads to improved bone regeneration and correlates with differences in the systemic immune response. Acta Biomaterialia, 2013, 9, 7209-7217.	8.3	46
18	Biological evaluation of calcium alginate microspheres as a vehicle for the localized delivery of a therapeutic enzyme. Journal of Biomedical Materials Research - Part A, 2005, 74A, 545-552.	4.0	43

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19	Microfluidics co-culture systems for studying tooth innervation. Frontiers in Physiology, 2014, 5, 326.	2.8	40
20	Injectable hybrid system for strontium local delivery promotes bone regeneration in a rat critical-sized defect model. Scientific Reports, 2017, 7, 5098.	3.3	38
21	Neuropeptideâ€ƒY expression and function during osteoblast differentiation â€“ insights from transthyretin knockout mice. FEBS Journal, 2010, 277, 263-275.	4.7	35
22	Fracture painâ€”Traveling unknown pathways. Bone, 2016, 85, 107-114.	2.9	34
23	Arthrodesis of Lumbar Spine Transverse Processes Using Nacre in Rabbit. Journal of Bone and Mineral Research, 2001, 16, 2232-2237.	2.8	33
24	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.	0.5	33
25	Protein Matrices for Improved Wound Healing: Elastase Inhibition by a Synthetic Peptide Model. Biomacromolecules, 2010, 11, 2213-2220.	5.4	31
26	Sympathetic activity in breast cancer and metastasis: partners in crime. Bone Research, 2021, 9, 9.	11.4	29
27	Neuropeptide Y modulates fracture healing through Y₁ receptor signaling. Journal of Orthopaedic Research, 2013, 31, 1570-1578.	2.3	28
28	A model for evaluating injectable bone replacements in the vertebrae of sheep: radiological and histological study. Biomaterials, 1999, 20, 2107-2114.	11.4	24
29	Conservation of signal molecules involved in biomineralisation control in calcifying matrices of bone and shell. Comptes Rendus - Palevol, 2004, 3, 493-501.	0.2	24
30	NPY Signalling Pathway in Bone Homeostasis: Y1 Receptor as a Potential Drug Target. Current Drug Targets, 2009, 10, 9-19.	2.1	23
31	Immune response and innervation signatures in aseptic hip implant loosening. Journal of Translational Medicine, 2016, 14, 205.	4.4	23
32	Ablation of Y1 receptor impairs osteoclast bone-resorbing activity. Scientific Reports, 2016, 6, 33470.	3.3	21
33	A metastasis-on-a-chip approach to explore the sympathetic modulation of breast cancer bone metastasis. Materials Today Bio, 2022, 13, 100219.	5.5	17
34	Bone Injury and Repair Trigger Central and Peripheral NPY Neuronal Pathways. PLoS ONE, 2016, 11, e0165465.	2.5	16
35	Osteoblasts are inherently programmed to repel sensory innervation. Bone Research, 2020, 8, 20.	11.4	16
36	Micropathological Chip Modeling the Neurovascular Unit Response to Inflammatory Bone Condition. Advanced Healthcare Materials, 2022, 11, e2102305.	7.6	14

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37	Axonal outgrowth, neuropeptides expression and receptors tyrosine kinase phosphorylation in 3D organotypic cultures of adult dorsal root ganglia. PLoS ONE, 2017, 12, e0181612.	2.5	13
38	The alliance between nerve fibers and stem cell populations in bone marrow: life partners in sickness and health. FASEB Journal, 2019, 33, 8697-8710.	0.5	11
39	Bidirectional flow of action potentials in axons drives activity dynamics in neuronal cultures. Journal of Neural Engineering, 2021, 18, 066045.	3.5	11
40	Neuroimmune expression in hip osteoarthritis: a systematic review. BMC Musculoskeletal Disorders, 2017, 18, 394.	1.9	10
41	ÂµSpikeHunter: An advanced computational tool for the analysis of neuronal communication and action potential propagation in microfluidic platforms. Scientific Reports, 2019, 9, 5777.	3.3	10
42	Bone marrow cell response after injury and during early stage of regeneration is independent of the tissueâ€ofâ€injury in 2 injury models. FASEB Journal, 2019, 33, 857-872.	0.5	9
43	The Neuroimmune Interplay in Joint Pain: The Role of Macrophages. Frontiers in Immunology, 2022, 13, 812962.	4.8	9
44	Stress in Metastatic Breast Cancer: To the Bone and Beyond. Cancers, 2022, 14, 1881.	3.7	9
45	Communication from the periphery to the hypothalamus through the bloodâ€“brain barrier: An in vitro platform. International Journal of Pharmaceutics, 2016, 499, 119-130.	5.2	8
46	The Dualism of Nacre. Key Engineering Materials, 2004, 254-256, 733-736.	0.4	7
47	Polymeric Microspheres/Cells/Extracellular Matrix Constructs Produced by Auto-Assembly for Bone Modular Tissue Engineering. International Journal of Molecular Sciences, 2021, 22, 7897.	4.1	6
48	Cutting-Edge Technologies for Inflamed Joints on Chip: How Close Are We?. Frontiers in Immunology, 2022, 13, 802440.	4.8	6
49	Recombinant glucocerebrosidase uptake by Gaucher disease human osteoblast culture model. Blood Cells, Molecules, and Diseases, 2005, 35, 348-354.	1.4	5
50	Fluorescent H₂ Receptor Squaramide-Type Antagonists: Synthesis, Characterization, and Applications. ACS Medicinal Chemistry Letters, 2020, 11, 1521-1528.	2.8	5
51	Calcium Signalling in Breast Cancer Associated Bone Pain. International Journal of Molecular Sciences, 2022, 23, 1902.	4.1	5
52	The lack of neuropeptide Yâ€Y 1 receptor signaling modulates the chemical and mechanical properties of bone matrix. FASEB Journal, 2020, 34, 4163-4177.	0.5	4
53	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.	3.3	4
54	Gas-phase structural characterization of neuropeptides Y Y1 receptor antagonists using mass spectrometry: Orbitrap vs triple quadrupole. Journal of Pharmaceutical and Biomedical Analysis, 2018, 151, 227-234.	2.8	3

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55	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.	3.7	2
56	Microfluidic-based models to address the bone marrow metastatic niche complexity. Seminars in Cell and Developmental Biology, 2021, 112, 27-36.	5.0	1
57	Compartmentalized Microfluidic Platforms as Tool of Choice to Study the Interaction Between Neurons and Osteoblasts. Neuromethods, 2015, , 161-179.	0.3	1
58	Therapeutic Drugs in Bone Loss-Associated Disorders: Clinical Outcomes and Challenges. Current Drug Targets, 2017, 18, 696-704.	2.1	0