

Antonio Desmond McCarthy

List of Publications by Year in descending order

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28
papers

1,206
citations

361413
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times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of metformin on bone marrow progenitor cell differentiation: In vivo and in vitro studies. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 211-221.	2.8	184
2	Advanced glycation endproducts interfere with integrin-mediated osteoblastic attachment to a type-I collagen matrix. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 840-848.	2.8	106
3	Metformin Reverts Deleterious Effects of Advanced Glycation End-Products (AGEs) on Osteoblastic Cells. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2008, 116, 333-340.	1.2	86
4	Effect of advanced glycation endproducts on the secretion of insulin-like growth factor-I and its binding proteins: role in osteoblast development. <i>Acta Diabetologica</i> , 2001, 38, 113-122.	2.5	78
5	Advanced glycation end-products (AGEs) induce concerted changes in the osteoblastic expression of their receptor RAGE and in the activation of extracellular signal-regulated kinases (ERK). <i>Molecular and Cellular Biochemistry</i> , 2003, 250, 1-10.	3.1	75
6	Effects of advanced glycation end-products on the proliferation and differentiation of osteoblast-like cells. <i>Molecular and Cellular Biochemistry</i> , 1997, 170, 43-51.	3.1	68
7	Insulin-deficient diabetes-induced bone microarchitecture alterations are associated with a decrease in the osteogenic potential of bone marrow progenitor cells: Preventive effects of metformin. <i>Diabetes Research and Clinical Practice</i> , 2013, 101, 177-186.	2.8	54
8	Metformin prevents anti-osteogenic in vivo and ex vivo effects of rosiglitazone in rats. <i>European Journal of Pharmacology</i> , 2011, 668, 477-485.	3.5	52
9	Bone-Specific Alkaline Phosphatase Activity Is Inhibited by Bisphosphonates: Role of Divalent Cations. <i>Biological Trace Element Research</i> , 2005, 104, 131-140.	3.5	51
10	Opposing effects of bisphosphonates and advanced glycation end-products on osteoblastic cells. <i>European Journal of Pharmacology</i> , 2008, 600, 140-147.	3.5	46
11	Metformin revisited: Does this regulator of AMP-activated protein kinase secondarily affect bone metabolism and prevent diabetic osteopathy. <i>World Journal of Diabetes</i> , 2016, 7, 122.	3.5	43
12	Advanced glycation endproduct-specific receptors in rat and mouse osteoblast-like cells: regulation with stages of differentiation. <i>Acta Diabetologica</i> , 1999, 36, 45-52.	2.5	40
13	Strontium ranelate stimulates the activity of bone-specific alkaline phosphatase: interaction with Zn ²⁺ and Mg ²⁺ . <i>BioMetals</i> , 2014, 27, 601-607.	4.1	36
14	A simple method to assess the oxidative susceptibility of low density lipoproteins. <i>BMC Clinical Pathology</i> , 2001, 1, 1.	1.8	32
15	AGE-R3/galectin-3 expression in osteoblast-like cells: Regulation by AGEs. <i>Molecular and Cellular Biochemistry</i> , 2004, 266, 17-24.	3.1	30
16	Effects of a metabolic syndrome induced by a fructose-rich diet on bone metabolism in rats. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 296-305.	3.4	28
17	Characterization of Poly(Îµ-caprolactone)/Polyfumarate Blends as Scaffolds for Bone Tissue Engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1297-1312.	3.5	27
18	Universal versus selective screening for the detection, control and prognosis of gestational diabetes mellitus in Argentina. <i>Acta Diabetologica</i> , 2010, 47, 97-103.	2.5	25

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19	Saxagliptin affects long-bone microarchitecture and decreases the osteogenic potential of bone marrow stromal cells. <i>European Journal of Pharmacology</i> , 2014, 727, 8-14.	3.5	24
20	Non-enzymatic glycosylation of alkaline phosphatase alters its biological properties. <i>Molecular and Cellular Biochemistry</i> , 1998, 181, 63-69.	3.1	23
21	Strontium ranelate prevents the deleterious action of advanced glycation endproducts on osteoblastic cells via calcium channel activation. <i>European Journal of Pharmacology</i> , 2013, 706, 41-47.	3.5	18
22	Effects of fructose-induced metabolic syndrome on rat skeletal cells and tissue, and their responses to metformin treatment. <i>Diabetes Research and Clinical Practice</i> , 2017, 126, 202-213.	2.8	18
23	Evaluation of Strontium-Containing PCL-PDIPF Scaffolds for Bone Tissue Engineering: In Vitro and In Vivo Studies. <i>Annals of Biomedical Engineering</i> , 2019, 47, 902-912.	2.5	17
24	Advanced glycation end products and strontium ranelate promote osteogenic differentiation of vascular smooth muscle cells in vitro: Preventive role of vitamin D. <i>Molecular and Cellular Endocrinology</i> , 2017, 450, 94-104.	3.2	16
25	Morphological changes induced by advanced glycation endproducts in osteoblastic cells: Effects of co-incubation with alendronate. <i>Acta Histochemica</i> , 2013, 115, 649-657.	1.8	14
26	Multi-Scale Approach for the Evaluation of Bone Mineralization in Strontium Ranelate-Treated Diabetic Rats. <i>Biological Trace Element Research</i> , 2018, 186, 457-466.	3.5	7
27	Alendronate Can Improve Bone Alterations in Experimental Diabetes by Preventing Antiosteogenic, Antichondrogenic, and Proadipocytic Effects of AGEs on Bone Marrow Progenitor Cells. <i>BioMed Research International</i> , 2016, 2016, 1-13.	1.9	4
28	Systemic oxidative stress in old rats is associated with both osteoporosis and cognitive impairment. <i>Experimental Gerontology</i> , 2021, 156, 111596.	2.8	4