

Janet L Crane

List of Publications by Year in descending order

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44
papers

5,011
citations

172457
29
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254184
43
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docs citations

45
times ranked

6404
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of TGF- β 2 signaling in mesenchymal stem cells of subchondral bone attenuates osteoarthritis. <i>Nature Medicine</i> , 2013, 19, 704-712.	30.7	780
2	PDGF-BB secreted by preosteoclasts induces angiogenesis during coupling with osteogenesis. <i>Nature Medicine</i> , 2014, 20, 1270-1278.	30.7	641
3	Matrix IGF-1 maintains bone mass by activation of mTOR in mesenchymal stem cells. <i>Nature Medicine</i> , 2012, 18, 1095-1101.	30.7	498
4	Bone marrow mesenchymal stem cells and TGF- β 2 signaling in bone remodeling. <i>Journal of Clinical Investigation</i> , 2014, 124, 466-472.	8.2	338
5	Transforming growth factor- β 2 in stem cells and tissue homeostasis. <i>Bone Research</i> , 2018, 6, 2.	11.4	262
6	Subchondral bone osteoclasts induce sensory innervation and osteoarthritis pain. <i>Journal of Clinical Investigation</i> , 2019, 129, 1076-1093.	8.2	239
7	Type H blood vessels in bone modeling and remodeling. <i>Theranostics</i> , 2020, 10, 426-436.	10.0	225
8	Halofuginone attenuates osteoarthritis by inhibition of TGF- β 2 activity and H-type vessel formation in subchondral bone. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1714-1721.	0.9	182
9	Growth Hormone Deficiency in Pseudohypoparathyroidism Type 1a: Another Manifestation of Multihormone Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4059-4069.	3.6	156
10	Paternal imprinting of G β 3s in the human thyroid as the basis of TSH resistance in pseudohypoparathyroidism type 1a. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 67-72.	2.1	141
11	Parathyroid hormone induces differentiation of mesenchymal stromal/stem cells by enhancing bone morphogenetic protein signaling. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2001-2014.	2.8	136
12	Inhibition of overactive TGF- β 2 attenuates progression of heterotopic ossification in mice. <i>Nature Communications</i> , 2018, 9, 551.	12.8	125
13	A Mouse Model of Albright Hereditary Osteodystrophy Generated by Targeted Disruption of Exon 1 of the Gnas Gene. <i>Endocrinology</i> , 2005, 146, 4697-4709.	2.8	122
14	Function of matrix IGF-1 in coupling bone resorption and formation. <i>Journal of Molecular Medicine</i> , 2014, 92, 107-115.	3.9	91
15	Mechanosignaling activation of TGF β 2 maintains intervertebral disc homeostasis. <i>Bone Research</i> , 2017, 5, 17008.	11.4	83
16	Sensory innervation in porous endplates by Netrin-1 from osteoclasts mediates PGE2-induced spinal hypersensitivity in mice. <i>Nature Communications</i> , 2019, 10, 5643.	12.8	72
17	Programmed cell senescence in skeleton during late puberty. <i>Nature Communications</i> , 2017, 8, 1312.	12.8	70
18	Role of TGF- β 2 Signaling in Coupling Bone Remodeling. <i>Methods in Molecular Biology</i> , 2016, 1344, 287-300.	0.9	67

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19	Disruption of LRP6 in osteoblasts blunts the bone anabolic activity of PTH. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2094-2108.	2.8	66
20	Sensory nerves regulate mesenchymal stromal cell lineage commitment by tuning sympathetic tones. <i>Journal of Clinical Investigation</i> , 2020, 130, 3483-3498.	8.2	65
21	IGF-1 Signaling is Essential for Differentiation of Mesenchymal Stem Cells for Peak Bone Mass. <i>Bone Research</i> , 2013, 1, 186-194.	11.4	62
22	Systemic neutralization of TGF β ^{1/2} attenuates osteoarthritis. <i>Annals of the New York Academy of Sciences</i> , 2016, 1376, 53-64.	3.8	62
23	RhoA determines lineage fate of mesenchymal stem cells by modulating CTGF β -VEGF complex in extracellular matrix. <i>Nature Communications</i> , 2016, 7, 11455.	12.8	61
24	Excessive Activation of TGF β ^{1/2} by Spinal Instability Causes Vertebral Endplate Sclerosis. <i>Scientific Reports</i> , 2016, 6, 27093.	3.3	59
25	Ciliary parathyroid hormone signaling activates transforming growth factor- β ^{1/2} to maintain intervertebral disc homeostasis during aging. <i>Bone Research</i> , 2018, 6, 21.	11.4	59
26	IGF-I induced phosphorylation of PTH receptor enhances osteoblast to osteocyte transition. <i>Bone Research</i> , 2018, 6, 5.	11.4	42
27	Preservation of type H vessels and osteoblasts by enhanced preosteoclast platelet-derived growth factor type BB attenuates glucocorticoid-induced osteoporosis in growing mice. <i>Bone</i> , 2018, 114, 1-13.	2.9	40
28	Aberrant TGF- β ^{1/2} activation in bone tendon insertion induces enthesopathy-like disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 846-860.	8.2	36
29	Aberrant Activation of TGF- β ^{1/2} in Subchondral Bone at the Onset of Rheumatoid Arthritis Joint Destruction. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2033-2043.	2.8	34
30	PTH Receptor Signaling in Osteoblasts Regulates Endochondral Vascularization in Maintenance of Postnatal Growth Plate. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 309-317.	2.8	33
31	Oxidized phospholipids are ligands for LRP6. <i>Bone Research</i> , 2018, 6, 22.	11.4	27
32	MicroRNA 224 Regulates Ion Transporter Expression in Ameloblasts To Coordinate Enamel Mineralization. <i>Molecular and Cellular Biology</i> , 2015, 35, 2875-2890.	2.3	21
33	Glucocorticoids Disrupt Skeletal Angiogenesis Through Transrepression of NF- κ B-Mediated Preosteoclast <i>c-Pdgfrβ</i> Transcription in Young Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1188-1202.	2.8	20
34	The ratio of serum Angiopoietin-1 to Angiopoietin-2 in patients with cervical cancer is a valuable diagnostic and prognostic biomarker. <i>PeerJ</i> , 2017, 5, e3387.	2.0	17
35	Kaposiform lymphangiomatosis treated with multimodal therapy improves coagulopathy and reduces blood angiopoietin β 2 levels. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28529.	1.5	17
36	Case Report: Safety and Efficacy of Denosumab in Four Children With Noonan Syndrome With Multiple Giant Cell Lesions of the Jaw. <i>Frontiers in Pediatrics</i> , 2020, 8, 515.	1.9	15

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37	Cervical cancer cell-derived angiopoietins promote tumor progression. <i>Tumor Biology</i> , 2017, 39, 101042831771165.	1.8	14
38	Imprinting Status of <i>G_S</i> , <i>NESP55</i> , and <i>XI_s</i> in Cell Cultures Derived from Human Embryonic Germ Cells: <i>GNAS</i> Imprinting in Human Embryonic Germ Cells. <i>Clinical and Translational Science</i> , 2009, 2, 355-360.	3.1	10
39	Bisphosphonate Therapy for Treating Osteonecrosis in Pediatric Leukemia Patients: A Systematic Review. <i>Journal of Pediatric Hematology/Oncology</i> , 2021, 43, e365-e370.	0.6	9
40	Inhibition of Integrin $\alpha_6\beta_1$ Activation of TGF β_1 Attenuates Tendinopathy. <i>Advanced Science</i> , 2022, 9, e2104469.	11.2	8
41	Multiple endocrine neoplasia type 1 presenting with concurrent insulinoma and prolactinoma in early-adolescence. <i>International Journal of Pediatric Endocrinology (Springer)</i> , 2018, 2018, 7.	1.6	4
42	Insulin Glargine Dose and Weight Changes in Underweight, Normal Weight, and Overweight Children Newly Diagnosed with Type 1 Diabetes Mellitus. <i>Pharmacotherapy</i> , 2019, 39, 741-748.	2.6	1
43	Editorial: Management of Bone Disorders in Children. <i>Frontiers in Endocrinology</i> , 2021, 12, 725655.	3.5	0
44	Bone Matrix IGF-1 in Bone Remodeling. , 2020, , 470-479.		0