

Erica L Scheller

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

4,387
citations

159525

30
h-index

118793

62
g-index

70
all docs

70
docs citations

70
times ranked

5246
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone Marrow Adipose Tissue Is an Endocrine Organ that Contributes to Increased Circulating Adiponectin during Caloric Restriction. <i>Cell Metabolism</i> , 2014, 20, 368-375.	7.2	415
2	Adipose tissue stem cells meet preadipocyte commitment: going back to the future. <i>Journal of Lipid Research</i> , 2012, 53, 227-246.	2.0	339
3	Region-specific variation in the properties of skeletal adipocytes reveals regulated and constitutive marrow adipose tissues. <i>Nature Communications</i> , 2015, 6, 7808.	5.8	332
4	Marrow Fat and Bone—New Perspectives. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 935-945.	1.8	319
5	What's the matter with MAT? Marrow adipose tissue, metabolism, and skeletal health. <i>Annals of the New York Academy of Sciences</i> , 2014, 1311, 14-30.	1.8	193
6	Microneedle patch for the ultrasensitive quantification of protein biomarkers in interstitial fluid. <i>Nature Biomedical Engineering</i> , 2021, 5, 64-76.	11.6	173
7	Marrow Adipose Tissue: Trimming the Fat. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 392-403.	3.1	171
8	Tissue engineering: state of the art in oral rehabilitation. <i>Journal of Oral Rehabilitation</i> , 2009, 36, 368-389.	1.3	142
9	Use of Osmium Tetroxide Staining with Microcomputerized Tomography to Visualize and Quantify Bone Marrow Adipose Tissue In Vivo. <i>Methods in Enzymology</i> , 2014, 537, 123-139.	0.4	136
10	Wnt/ β -catenin Inhibits Dental Pulp Stem Cell Differentiation. <i>Journal of Dental Research</i> , 2008, 87, 126-130.	2.5	127
11	Nerves in Bone: Evolving Concepts in Pain and Anabolism. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1393-1406.	3.1	116
12	Expansion of Bone Marrow Adipose Tissue During Caloric Restriction Is Associated With Increased Circulating Glucocorticoids and Not With Hypoleptinemia. <i>Endocrinology</i> , 2016, 157, 508-521.	1.4	114
13	Artificial Sweeteners Stimulate Adipogenesis and Suppress Lipolysis Independently of Sweet Taste Receptors. <i>Journal of Biological Chemistry</i> , 2013, 288, 32475-32489.	1.6	110
14	Development, regulation, metabolism and function of bone marrow adipose tissues. <i>Bone</i> , 2018, 110, 134-140.	1.4	98
15	Bone marrow adipose tissue is a unique adipose subtype with distinct roles in glucose homeostasis. <i>Nature Communications</i> , 2020, 11, 3097.	5.8	98
16	Leptin Functions Peripherally to Regulate Differentiation of Mesenchymal Progenitor Cells. <i>Stem Cells</i> , 2010, 28, 1071-1080.	1.4	95
17	Changes in Skeletal Integrity and Marrow Adiposity during High-Fat Diet and after Weight Loss. <i>Frontiers in Endocrinology</i> , 2016, 7, 102.	1.5	90
18	Adipose tissue stem cells: the great WAT hope. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 270-277.	3.1	88

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19	Bone marrow adipocytes resist lipolysis and remodeling in response to \hat{I}^2 -adrenergic stimulation. <i>Bone</i> , 2019, 118, 32-41.	1.4	86
20	Characterization of the bone marrow adipocyte niche with three-dimensional electron microscopy. <i>Bone</i> , 2019, 118, 89-98.	1.4	83
21	Leptin Does Not Directly Affect CNS Serotonin Neurons to Influence Appetite. <i>Cell Metabolism</i> , 2011, 13, 584-591.	7.2	67
22	Gene Therapy: Design and Prospects for Craniofacial Regeneration. <i>Journal of Dental Research</i> , 2009, 88, 585-596.	2.5	66
23	Plasma Fluoride Level as a Predictor of Voriconazole-Induced Periostitis in Patients With Skeletal Pain. <i>Clinical Infectious Diseases</i> , 2014, 59, 1237-1245.	2.9	65
24	Inside out: Bone marrow adipose tissue as a source of circulating adiponectin. <i>Adipocyte</i> , 2016, 5, 251-269.	1.3	61
25	Reporting Guidelines, Review of Methodological Standards, and Challenges Toward Harmonization in Bone Marrow Adiposity Research. Report of the Methodologies Working Group of the International Bone Marrow Adiposity Society. <i>Frontiers in Endocrinology</i> , 2020, 11, 65.	1.5	53
26	Sweet Taste Receptor Deficient Mice Have Decreased Adiposity and Increased Bone Mass. <i>PLoS ONE</i> , 2014, 9, e86454.	1.1	52
27	Molecular Differences Between Subtypes of Bone Marrow Adipocytes. <i>Current Molecular Biology Reports</i> , 2018, 4, 16-23.	0.8	39
28	The use of nano-computed tomography to enhance musculoskeletal research. <i>Connective Tissue Research</i> , 2015, 56, 106-119.	1.1	37
29	The effects of Runx2 immobilization on poly (\hat{E} -caprolactone) on osteoblast differentiation of bone marrow stromal cells in vitro. <i>Biomaterials</i> , 2010, 31, 3231-3236.	5.7	35
30	Editorial: Bone Marrow Adipose Tissue: Formation, Function, and Impact on Health and Disease. <i>Frontiers in Endocrinology</i> , 2017, 8, 112.	1.5	33
31	Increased Circulating Adiponectin in Response to Thiazolidinediones: Investigating the Role of Bone Marrow Adipose Tissue. <i>Frontiers in Endocrinology</i> , 2016, 7, 128.	1.5	32
32	Congenital lipodystrophy induces severe osteosclerosis. <i>PLoS Genetics</i> , 2019, 15, e1008244.	1.5	32
33	Zoledronic acid inhibits macrophage SOCS3 expression and enhances cytokine production. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3364-3372.	1.2	31
34	A Neuroskeletal Atlas: Spatial Mapping and Contextualization of Axon Subtypes Innervating the Long Bones of C3H and B6 Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1012-1025.	3.1	29
35	Bisphosphonates Inhibit Expression of p63 by Oral Keratinocytes. <i>Journal of Dental Research</i> , 2011, 90, 894-899.	2.5	28
36	Effects of High-Fat Diet and Body Mass on Bone Morphology and Mechanical Properties in 1100 Advanced Intercross Mice. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 711-725.	3.1	28

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37	Glucocorticoid Receptor Signaling Is Not Required for In Vivo Adipogenesis. <i>Endocrinology</i> , 2018, 159, 2050-2061.	1.4	26
38	Shared Autonomic Pathways Connect Bone Marrow and Peripheral Adipose Tissues Across the Central Neuraxis. <i>Frontiers in Endocrinology</i> , 2019, 10, 668.	1.5	25
39	Ability of Dental Students to Deliver Oxygen in a Medical Emergency. <i>Journal of Dental Education</i> , 2009, 73, 499-508.	0.7	24
40	Peripheral Neuropathy as a Component of Skeletal Disease in Diabetes. <i>Current Osteoporosis Reports</i> , 2019, 17, 256-269.	1.5	24
41	A bone-specific adipogenesis pathway in fat-free mice defines key origins and adaptations of bone marrow adipocytes with age and disease. <i>ELife</i> , 2021, 10, .	2.8	24
42	Ectopic Expression of Col2.3 and Col3.6 Promoters in the Brain and Association with Leptin Signaling. <i>Cells Tissues Organs</i> , 2011, 194, 268-273.	1.3	23
43	Evolution of the Marrow Adipose Tissue Microenvironment. <i>Calcified Tissue International</i> , 2017, 100, 461-475.	1.5	23
44	Bone marrow adipose tissue does not express UCP1 during development or adrenergic-induced remodeling. <i>Scientific Reports</i> , 2019, 9, 17427.	1.6	22
45	MarowQuant Across Aging and Aplasia: A Digital Pathology Workflow for Quantification of Bone Marrow Compartments in Histological Sections. <i>Frontiers in Endocrinology</i> , 2020, 11, 480.	1.5	22
46	Gene Therapy. <i>Journal of Craniofacial Surgery</i> , 2012, 23, 333-337.	0.3	21
47	Administration of Saccharin to Neonatal Mice Influences Body Composition of Adult Males and Reduces Body Weight of Females. <i>Endocrinology</i> , 2014, 155, 1313-1326.	1.4	21
48	Molecular differences between subtypes of bone marrow adipocytes. <i>Current Molecular Biology Reports</i> , 2018, 4, 16-23.	0.8	18
49	A Potential Role for the Myeloid Lineage in Leptin-regulated Bone Metabolism. <i>Hormone and Metabolic Research</i> , 2012, 44, 01-05.	0.7	16
50	Marow Adipose Tissue Expansion Coincides with Insulin Resistance in MAGP1-Deficient Mice. <i>Frontiers in Endocrinology</i> , 2016, 7, 87.	1.5	16
51	Synchronous ipsilateral sebaceous lymphadenoma and membranous basal cell adenoma of the parotid. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 115, e41-e46.	0.2	12
52	Neural regulation of bone marrow adipose tissue. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2021, 35, 101522.	2.2	12
53	Contribution of metabolic disease to bone fragility in MAGP1-deficient mice. <i>Matrix Biology</i> , 2018, 67, 1-14.	1.5	10
54	Novel leptin receptor signaling mutants identify location and sex-dependent modulation of bone density, adiposity, and growth. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4398-4408.	1.2	9

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55	Refreshable Nanobiosensor Based on Organosilica Encapsulation of Biorecognition Elements. ACS Applied Materials & Interfaces, 2020, 12, 5420-5428.	4.0	6
56	Exploiting Self-Capacitances for Wireless Power Transfer. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 425-434.	2.7	5
57	Development, Disease, and Regeneration of Tissues in the Dental-Craniofacial Complex. BioMed Research International, 2013, 2013, 1-3.	0.9	3
58	Report From the 6th International Meeting on Bone Marrow Adiposity (BMA2020). Frontiers in Endocrinology, 2021, 12, 712088.	1.5	3
59	A suspected dental cellulitis leading to diagnosis of both herpes zoster ophthalmicus and HIV. Oral and Maxillofacial Surgery Cases, 2015, 1, 5-7.	0.1	1
60	Neuroskeletal Effects of Chronic Bioelectric Nerve Stimulation in Health and Diabetes. Frontiers in Neuroscience, 2021, 15, 632768.	1.4	1
61	The use of soluble signals to harness the power of the bone microenvironment for implant therapeutics. International Journal of Oral and Maxillofacial Implants, 2011, 26 Suppl, 70-9; discussion 80-4.	0.6	1
62	The Use of NanoComputed Tomography to Enhance Musculoskeletal Research. Microscopy and Microanalysis, 2014, 20, 776-777.	0.2	0