Natalie C Butterfield

List of Publications by Year
in descending order

25	1,927	471061 17	552369 26
papers	citations	h-index	g-index

34	34	34	3619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An atlas of genetic influences on osteoporosis in humans and mice. Nature Genetics, 2019, 51, 258-266.	9.4	557
2	Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. Nature Genetics, 2017, 49, 1468-1475.	9.4	391
3	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. Cell, 2021, 184, 1330-1347.e13.	13.5	203
4	A genome-wide screen for modifiers of transgene variegation identifies genes with critical roles in development. Genome Biology, 2008, 9, R182.	13.9	97
5	Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain. Journal of Clinical Investigation, 2018, 129, 230-245.	3.9	75
6	Mutations in mouse Ift144 model the craniofacial, limb and rib defects in skeletal ciliopathies. Human Molecular Genetics, 2012, 21, 1808-1823.	1.4	70
7	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	5.8	58
8	A molecular quantitative trait locus map for osteoarthritis. Nature Communications, 2021, 12, 1309.	5.8	53
9	Patched 1 is a crucial determinant of asymmetry and digit number in the vertebrate limb. Development (Cambridge), 2009, 136, 3515-3524.	1.2	51
10	The PCNA-associated factor KIAA0101/p15 binds the potential tumor suppressor product p33ING1b. Experimental Cell Research, 2006, 312, 73-85.	1.2	50
11	The Molecular Regulation of Vertebrate Limb Patterning. Current Topics in Developmental Biology, 2010, 90, 319-341.	1.0	37
12	Pregnancy and lactation, a challenge for the skeleton. Endocrine Connections, 2020, 9, R143-R157.	0.8	35
13	Accelerating functional gene discovery in osteoarthritis. Nature Communications, 2021, 12, 467.	5.8	33
14	Inactivation of Patched1 in the Mouse Limb Has Novel Inhibitory Effects on the Chondrogenic Program. Journal of Biological Chemistry, 2010, 285, 27967-27981.	1.6	32
15	Slc20a2, Encoding the Phosphate Transporter PiT2, Is an Important Genetic Determinant of Bone Quality and Strength. Journal of Bone and Mineral Research, 2019, 34, 1101-1114.	3.1	30
16	Expression of the NET family member Zfp503 is regulated by hedgehog and BMP signaling in the limb. Developmental Dynamics, 2008, 237, 1172-1182.	0.8	22
17	IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e70-e84.	1.8	22
18	The metalloendopeptidase gene Pitrm1 is regulated by hedgehog signaling in the developing mouse limb and is expressed in muscle progenitors. Developmental Dynamics, 2009, 238, 3175-3184.	0.8	16

#	Article	IF	Citations
19	PYY is a negative regulator of bone mass and strength. Bone, 2019, 127, 427-435.	1.4	12
20	Quantitative X-Ray Imaging of Mouse Bone by Faxitron. Methods in Molecular Biology, 2019, 1914, 559-569.	0.4	11
21	Pitx1 determines characteristic hindlimb morphologies in cartilage micromass culture. PLoS ONE, 2017, 12, e0180453.	1.1	10
22	Tbx5 Buffers Inherent Left/Right Asymmetry Ensuring Symmetric Forelimb Formation. PLoS Genetics, 2016, 12, e1006521.	1.5	10
23	Identification and analysis of novel genes expressed in the mouse embryonic facial primordia. Frontiers in Bioscience - Landmark, 2006, 11, 2631.	3.0	8
24	Genetic and Pharmacological Targeting of Transcriptional Repression in Resistance to Thyroid Hormone Alpha. Thyroid, 2019, 29, 726-734.	2.4	7
25	Response to Letter to the Editor: â€œIGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunctionâ€. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2315-e2316.	1.8	0