J H Duncan Bassett

List of Publications by Year
in descending order

74 papers	5,963 citations	81743 39 h-index	79541 73 g-index
85 all docs	85 docs citations	85 times ranked	7147 citing authors

#	Article	IF	Citations
1	The Thyroid Hormone Transporter MCT10 Is a Novel Regulator of Trabecular Bone Mass and Bone Turnover in Male Mice. Endocrinology, 2022, 163, .	1.4	4
2	Thyroid hormone, thyroid medication, and the skeleton. , 2021, , 1139-1157.		0
3	A molecular quantitative trait locus map for osteoarthritis. Nature Communications, 2021, 12, 1309.	5.8	53
4	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. Cell, 2021, 184, 1330-1347.e13.	13.5	203
5	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	5.8	58
6	An<scp><i>ARHGAP25</i></scp>variant links aberrant<scp>Rac1</scp>function to earlyâ€onset skeletal fragility. JBMR Plus, 2021, 5, e10509.	1.3	4
7	A Roadmap to Gene Discoveries and Novel Therapies in Monogenic Low and High Bone Mass Disorders. Frontiers in Endocrinology, 2021, 12, 709711.	1.5	13
8	Accelerating functional gene discovery in osteoarthritis. Nature Communications, 2021, 12, 467.	5.8	33
9	Bone Phenotyping Approaches in Human, Mice and Zebrafish â€" Expert Overview of the EU Cost Action GEMSTONE (â€œGEnomics of MusculoSkeletal traits TranslatiOnal NEtworkâ€). Frontiers in Endocrinology, 2021, 12, 720728.	1.5	12
10	IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e70-e84.	1.8	22
11	A Polygenic Risk Score as a Risk Factor for Medicationâ€Associated Fractures. Journal of Bone and Mineral Research, 2020, 35, 1935-1941.	3.1	5
12	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
13	Role of thyroid hormones in craniofacial development. Nature Reviews Endocrinology, 2020, 16, 147-164.	4.3	33
14	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	1.5	19
15	A trans-eQTL network regulates osteoclast multinucleation and bone mass. ELife, 2020, 9, .	2.8	24
16	PYY is a negative regulator of bone mass and strength. Bone, 2019, 127, 427-435.	1.4	12
17	Quantitative X-Ray Imaging of Mouse Bone by Faxitron. Methods in Molecular Biology, 2019, 1914, 559-569.	0.4	11
18	<i>Slc20a2</i>, 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

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19	An atlas of genetic influences on osteoporosis in humans and mice. Nature Genetics, 2019, 51, 258-266.	9.4	557
20	Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signalling. Nature Metabolism, 2019, 1, 111-124.	5.1	59
21	The bone remodelling cycle. Annals of Clinical Biochemistry, 2018, 55, 308-327.	0.8	348
22	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	2.6	252
23	Frequent falls and confusion: recurrent hypoglycemia in a patient with tuberous sclerosis complex. Clinical Case Reports (discontinued), 2018, 6, 904-909.	0.2	5
24	Thyroid Stimulating Hormone and Bone Mineral Density: Evidence From a Two-Sample Mendelian Randomization Study and a Candidate Gene Association Study. Journal of Bone and Mineral Research, 2018, 33, 1318-1325.	3.1	25
25	Thyroid diseases and bone health. Journal of Endocrinological Investigation, 2018, 41, 99-109.	1.8	149
26	Thyroid Hormone in Bone andÂJoint Disorders. , 2018, , 547-569.		0
27	Common signalling pathways in macrophage and osteoclast multinucleation. Journal of Cell Science, 2018, 131, .	1.2	152
28	Genome-wide association study of extreme high bone mass: Contribution of common genetic variation to extreme BMD phenotypes and potential novel BMD-associated genes. Bone, 2018, 114, 62-71.	1.4	43
29	Analysis of Physiological Responses to Thyroid Hormones and Their Receptors in Bone. Methods in Molecular Biology, 2018, 1801, 123-154.	0.4	10
30	Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain. Journal of Clinical Investigation, 2018, 129, 230-245.	3.9	75
31	Inhibiting the osteocyte-specific protein sclerostin increases bone mass and fracture resistance in multiple myeloma. Blood, 2017, 129, 3452-3464.	0.6	153
32	An Essential Physiological Role for MCT8 in Bone in Male Mice. Endocrinology, 2017, 158, 3055-3066.	1.4	15
33	Noncanonical thyroid hormone signaling mediates cardiometabolic effects in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11323-E11332.	3.3	93
34	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
35	Rapid phenotyping of knockout mice to identify genetic determinants of bone strength. Journal of Endocrinology, 2016, 231, R31-R46.	1.2	30
36	Role of Thyroid Hormones in Skeletal Development and Bone Maintenance. Endocrine Reviews, 2016, 37, 135-187.	8.9	324

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37	An undiagnosed stupor in the acute medical unit: a case of malignant catatonia. QJM - Monthly Journal of the Association of Physicians, 2015, 108, 335-336.	0.2	1
38	Adult Mice Lacking the Type 2 Iodothyronine Deiodinase Have Increased Subchondral Bone but Normal Articular Cartilage. Thyroid, 2015, 25, 269-277.	2.4	22
39	Thyrostimulin Regulates Osteoblastic Bone Formation During Early Skeletal Development. Endocrinology, 2015, 156, 3098-3113.	1.4	43
40	Classification and Proposed Nomenclature for Inherited Defects of Thyroid Hormone Action, Cell Transport, and Metabolism*. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 768-770.	1.8	62
41	Kcnn4 Is a Regulator of Macrophage Multinucleation in Bone Homeostasis and Inflammatory Disease. Cell Reports, 2014, 8, 1210-1224.	2.9	53
42	Classification and Proposed Nomenclature for Inherited Defects of Thyroid Hormone Action, Cell Transport, and Metabolism. Thyroid, 2014, 24, 407-409.	2.4	46
43	Quantitative X-ray microradiography for high-throughput phenotyping of osteoarthritis in mice. Osteoarthritis and Cartilage, 2014, 22, 1396-1400.	0.6	13
44	Thyroid Hormone Receptor Î± Mutation Causes a Severe and Thyroxine-Resistant Skeletal Dysplasia in Female Mice. Endocrinology, 2014, 155, 3699-3712.	1.4	47
45	Mechanisms of action of thyroid hormones in the skeleton. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3979-3986.	1.1	83
46	Rapid-Throughput Skeletal Phenotyping of 100 Knockout Mice Identifies 9 New Genes That Determine Bone Strength. PLoS Genetics, 2012, 8, e1002858.	1.5	73
47	The skeletal consequences of thyrotoxicosis. Journal of Endocrinology, 2012, 213, 209-221.	1.2	97
48	Mice Lacking the Calcineurin Inhibitor Rcan2 Have an Isolated Defect of Osteoblast Function. Endocrinology, 2012, 153, 3537-3548.	1.4	22
49	Thyroid hormone metabolism in skeletal development and adult bone maintenance. Trends in Endocrinology and Metabolism, 2012, 23, 155-162.	3.1	81
50	Significant deterioration in nanomechanical quality occurs through incomplete extrafibrillar mineralization in rachitic bone: Evidence from in-situ synchrotron X-ray scattering and backscattered electron imaging. Journal of Bone and Mineral Research, 2012, 27, 876-890.	3.1	58
51	Genetic evidence that thyroid hormone is indispensable for prepubertal insulin-like growth factorâ€“I expression and bone acquisition in mice. Journal of Bone and Mineral Research, 2012, 27, 1067-1079.	3.1	73
52	A mouse model for spondyloepiphyseal dysplasia congenita with secondary osteoarthritis due to a <i>Col2a1</i> mutation. Journal of Bone and Mineral Research, 2012, 27, 413-428.	3.1	31
53	Bone Mineral Content and Density. , 2012, 2, 365-400.		9
54	Quantitative X-ray Imaging of Rodent Bone by Faxitron. Methods in Molecular Biology, 2012, 816, 499-506.	0.4	28

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55	Local control of thyroid hormone action: role of type 2 deiodinase. Journal of Endocrinology, 2011, 209, 261-272.	1.2	113
56	Optimal bone strength and mineralization requires the type 2 iodothyronine deiodinase in osteoblasts. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7604-7609.	3.3	123
57	Thyroid and bone. Archives of Biochemistry and Biophysics, 2010, 503, 129-136.	1.4	131
58	The skeletal phenotypes of TRÎ± and TRÎ² mutant mice. Journal of Molecular Endocrinology, 2009, 42, 269-282.	1.1	71
59	Bone signaling pathways and treatment of osteoporosis. Expert Review of Endocrinology and Metabolism, 2009, 4, 639-650.	1.2	12
60	Critical role of the hypothalamicâ€"pituitaryâ€"thyroid axis in bone. Bone, 2008, 43, 418-426.	1.4	112
61	A Lack of Thyroid Hormones Rather than Excess Thyrotropin Causes Abnormal Skeletal Development in Hypothyroidism. Molecular Endocrinology, 2008, 22, 501-512.	3.7	107
62	Thyroid Status during Skeletal Development Determines Adult Bone Structure and Mineralization. Molecular Endocrinology, 2007, 21, 1893-1904.	3.7	114
63	Thyroid Hormone Excess Rather Than Thyrotropin Deficiency Induces Osteoporosis in Hyperthyroidism. Molecular Endocrinology, 2007, 21, 1095-1107.	3.7	137
64	Characterization of skeletal phenotypes of TRÎ±1PV and TRÎ²PV mutant mice: implications for tissue thyroid status and T3 target gene expression. Nuclear Receptor Signaling, 2006, 4, nrs.04011.	1.0	47
65	Thyroid Hormone Regulates Heparan Sulfate Proteoglycan Expression in the Growth Plate. Endocrinology, 2006, 147, 295-305.	1.4	46
66	Thyroid Hormones Regulate Fibroblast Growth Factor Receptor Signaling during Chondrogenesis. Endocrinology, 2005, 146, 5568-5580.	1.4	75
67	Contrasting Skeletal Phenotypes in Mice with an Identical Mutation Targeted to Thyroid Hormone Receptor Î±1 or Î². Molecular Endocrinology, 2005, 19, 3045-3059.	3.7	121
68	A Tense Caseâ€"Carney's Triad. Journal of the Royal Society of Medicine, 2004, 97, 540-541.	1.1	1
69	Mechanisms of thyroid hormone receptor-specific nuclear and extra nuclear actions. Molecular and Cellular Endocrinology, 2003, 213, 1-11.	1.6	327
70	The molecular actions of thyroid hormone in bone. Trends in Endocrinology and Metabolism, 2003, 14, 356-364.	3.1	219
71	Novel DAX1 mutations in X-linked adrenal hypoplasia congenita and hypogonadotrophic hypogonadism. Clinical Endocrinology, 1999, 50, 69-75.	1.2	40
72	Studies of the Murine Homolog of the Multiple Endocrine Neoplasia Type 1 (MEN1) Gene, men1. Journal of Bone and Mineral Research, 1999, 14, 3-10.	3.1	48

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73	Mapping of the gene encoding the B56Î² subunit of protein phosphatase 2A (PPP2R5B) to a 0.5-Mb region of chromosome 11q13 and its exclusion as a candidate gene for multiple endocrine neoplasia type 1 (MEN1). Human Genetics, 1997, 100, 481-485.	1.8	2
74	Linkage disequilibrium studies in multiple endocrine neoplasia type 1 (MEN1). Human Genetics, 1997, 100, 657-665.	1.8	15