

J H Duncan Bassett

List of Publications by Year in descending order

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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	An atlas of genetic influences on osteoporosis in humans and mice. <i>Nature Genetics</i> , 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. <i>Nature Genetics</i> , 2017, 49, 1468-1475.	9.4	391
3	The bone remodelling cycle. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 308-327.	0.8	348
4	Mechanisms of thyroid hormone receptor-specific nuclear and extra nuclear actions. <i>Molecular and Cellular Endocrinology</i> , 2003, 213, 1-11.	1.6	327
5	Role of Thyroid Hormones in Skeletal Development and Bone Maintenance. <i>Endocrine Reviews</i> , 2016, 37, 135-187.	8.9	324
6	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. <i>American Journal of Human Genetics</i> , 2018, 102, 88-102.	2.6	252
7	The molecular actions of thyroid hormone in bone. <i>Trends in Endocrinology and Metabolism</i> , 2003, 14, 356-364.	3.1	219
8	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. <i>Cell</i> , 2021, 184, 1330-1347.e13.	13.5	203
9	Inhibiting the osteocyte-specific protein sclerostin increases bone mass and fracture resistance in multiple myeloma. <i>Blood</i> , 2017, 129, 3452-3464.	0.6	153
10	Common signalling pathways in macrophage and osteoclast multinucleation. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	152
11	Thyroid diseases and bone health. <i>Journal of Endocrinological Investigation</i> , 2018, 41, 99-109.	1.8	149
12	Thyroid Hormone Excess Rather Than Thyrotropin Deficiency Induces Osteoporosis in Hyperthyroidism. <i>Molecular Endocrinology</i> , 2007, 21, 1095-1107.	3.7	137
13	Thyroid and bone. <i>Archives of Biochemistry and Biophysics</i> , 2010, 503, 129-136.	1.4	131
14	Optimal bone strength and mineralization requires the type 2 iodothyronine deiodinase in osteoblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7604-7609.	3.3	123
15	Contrasting Skeletal Phenotypes in Mice with an Identical Mutation Targeted to Thyroid Hormone Receptor $\beta 1$ or $\beta 2$. <i>Molecular Endocrinology</i> , 2005, 19, 3045-3059.	3.7	121
16	Thyroid Status during Skeletal Development Determines Adult Bone Structure and Mineralization. <i>Molecular Endocrinology</i> , 2007, 21, 1893-1904.	3.7	114
17	Local control of thyroid hormone action: role of type 2 deiodinase. <i>Journal of Endocrinology</i> , 2011, 209, 261-272.	1.2	113
18	Critical role of the hypothalamic-pituitary-thyroid axis in bone. <i>Bone</i> , 2008, 43, 418-426.	1.4	112

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19	A Lack of Thyroid Hormones Rather than Excess Thyrotropin Causes Abnormal Skeletal Development in Hypothyroidism. <i>Molecular Endocrinology</i> , 2008, 22, 501-512.	3.7	107
20	The skeletal consequences of thyrotoxicosis. <i>Journal of Endocrinology</i> , 2012, 213, 209-221.	1.2	97
21	Noncanonical thyroid hormone signaling mediates cardiometabolic effects in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11323-E11332.	3.3	93
22	Mechanisms of action of thyroid hormones in the skeleton. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3979-3986.	1.1	83
23	Thyroid hormone metabolism in skeletal development and adult bone maintenance. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 155-162.	3.1	81
24	Thyroid Hormones Regulate Fibroblast Growth Factor Receptor Signaling during Chondrogenesis. <i>Endocrinology</i> , 2005, 146, 5568-5580.	1.4	75
25	Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain. <i>Journal of Clinical Investigation</i> , 2018, 129, 230-245.	3.9	75
26	Rapid-Throughput Skeletal Phenotyping of 100 Knockout Mice Identifies 9 New Genes That Determine Bone Strength. <i>PLoS Genetics</i> , 2012, 8, e1002858.	1.5	73
27	Genetic evidence that thyroid hormone is indispensable for prepubertal insulin-like growth factor-1 expression and bone acquisition in mice. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1067-1079.	3.1	73
28	The skeletal phenotypes of TR β^{\pm} and TR β^2 mutant mice. <i>Journal of Molecular Endocrinology</i> , 2009, 42, 269-282.	1.1	71
29	Classification and Proposed Nomenclature for Inherited Defects of Thyroid Hormone Action, Cell Transport, and Metabolism*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 768-770.	1.8	62
30	Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signalling. <i>Nature Metabolism</i> , 2019, 1, 111-124.	5.1	59
31	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. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 876-890.	3.1	58
32	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. <i>Nature Communications</i> , 2021, 12, 2444.	5.8	58
33	Kcnn4 Is a Regulator of Macrophage Multinucleation in Bone Homeostasis and Inflammatory Disease. <i>Cell Reports</i> , 2014, 8, 1210-1224.	2.9	53
34	A molecular quantitative trait locus map for osteoarthritis. <i>Nature Communications</i> , 2021, 12, 1309.	5.8	53
35	Studies of the Murine Homolog of the Multiple Endocrine Neoplasia Type 1 (MEN1) Gene, men1. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 3-10.	3.1	48
36	Characterization of skeletal phenotypes of TR β^{\pm} 1PV and TR β^2 PV mutant mice: implications for tissue thyroid status and T3 target gene expression. <i>Nuclear Receptor Signaling</i> , 2006, 4, nrs.04011.	1.0	47

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37	Thyroid Hormone Receptor $\hat{\pm}$ Mutation Causes a Severe and Thyroxine-Resistant Skeletal Dysplasia in Female Mice. <i>Endocrinology</i> , 2014, 155, 3699-3712.	1.4	47
38	Thyroid Hormone Regulates Heparan Sulfate Proteoglycan Expression in the Growth Plate. <i>Endocrinology</i> , 2006, 147, 295-305.	1.4	46
39	Classification and Proposed Nomenclature for Inherited Defects of Thyroid Hormone Action, Cell Transport, and Metabolism. <i>Thyroid</i> , 2014, 24, 407-409.	2.4	46
40	Thyrostimulin Regulates Osteoblastic Bone Formation During Early Skeletal Development. <i>Endocrinology</i> , 2015, 156, 3098-3113.	1.4	43
41	Genome-wide association study of extreme high bone mass: Contribution of common genetic variation to extreme BMD phenotypes and potential novel BMD-associated genes. <i>Bone</i> , 2018, 114, 62-71.	1.4	43
42	Novel DAX1 mutations in X-linked adrenal hypoplasia congenita and hypogonadotrophic hypogonadism. <i>Clinical Endocrinology</i> , 1999, 50, 69-75.	1.2	40
43	Role of thyroid hormones in craniofacial development. <i>Nature Reviews Endocrinology</i> , 2020, 16, 147-164.	4.3	33
44	Accelerating functional gene discovery in osteoarthritis. <i>Nature Communications</i> , 2021, 12, 467.	5.8	33
45	A mouse model for spondyloepiphyseal dysplasia congenita with secondary osteoarthritis due to a <i>Col2a1</i> mutation. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 413-428.	3.1	31
46	Rapid phenotyping of knockout mice to identify genetic determinants of bone strength. <i>Journal of Endocrinology</i> , 2016, 231, R31-R46.	1.2	30
47	<i>Slc20a2</i> , Encoding the Phosphate Transporter PiT2, Is an Important Genetic Determinant of Bone Quality and Strength. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1101-1114.	3.1	30
48	Quantitative X-ray Imaging of Rodent Bone by Faxitron. <i>Methods in Molecular Biology</i> , 2012, 816, 499-506.	0.4	28
49	Thyroid Stimulating Hormone and Bone Mineral Density: Evidence From a Two-Sample Mendelian Randomization Study and a Candidate Gene Association Study. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1318-1325.	3.1	25
50	A trans-eQTL network regulates osteoclast multinucleation and bone mass. <i>ELife</i> , 2020, 9, .	2.8	24
51	Mice Lacking the Calcineurin Inhibitor <i>Rcan2</i> Have an Isolated Defect of Osteoblast Function. <i>Endocrinology</i> , 2012, 153, 3537-3548.	1.4	22
52	Adult Mice Lacking the Type 2 Iodothyronine Deiodinase Have Increased Subchondral Bone but Normal Articular Cartilage. <i>Thyroid</i> , 2015, 25, 269-277.	2.4	22
53	IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e70-e84.	1.8	22
54	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. <i>PLoS Genetics</i> , 2020, 16, e1009190.	1.5	19

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55	Linkage disequilibrium studies in multiple endocrine neoplasia type 1 (MEN1). <i>Human Genetics</i> , 1997, 100, 657-665.	1.8	15
56	An Essential Physiological Role for MCT8 in Bone in Male Mice. <i>Endocrinology</i> , 2017, 158, 3055-3066.	1.4	15
57	Quantitative X-ray microradiography for high-throughput phenotyping of osteoarthritis in mice. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1396-1400.	0.6	13
58	A Roadmap to Gene Discoveries and Novel Therapies in Monogenic Low and High Bone Mass Disorders. <i>Frontiers in Endocrinology</i> , 2021, 12, 709711.	1.5	13
59	Bone signaling pathways and treatment of osteoporosis. <i>Expert Review of Endocrinology and Metabolism</i> , 2009, 4, 639-650.	1.2	12
60	PYY is a negative regulator of bone mass and strength. <i>Bone</i> , 2019, 127, 427-435.	1.4	12
61	Bone Phenotyping Approaches in Human, Mice and Zebrafish – Expert Overview of the EU Cost Action GEMSTONE (Genomics of MusculoSkeletal traits Translational Network). <i>Frontiers in Endocrinology</i> , 2021, 12, 720728.	1.5	12
62	Quantitative X-Ray Imaging of Mouse Bone by Faxitron. <i>Methods in Molecular Biology</i> , 2019, 1914, 559-569.	0.4	11
63	Analysis of Physiological Responses to Thyroid Hormones and Their Receptors in Bone. <i>Methods in Molecular Biology</i> , 2018, 1801, 123-154.	0.4	10
64	Bone Mineral Content and Density. , 2012, 2, 365-400.		9
65	Frequent falls and confusion: recurrent hypoglycemia in a patient with tuberous sclerosis complex. <i>Clinical Case Reports (discontinued)</i> , 2018, 6, 904-909.	0.2	5
66	A Polygenic Risk Score as a Risk Factor for Medication-Associated Fractures. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1935-1941.	3.1	5
67	An <i>ARHGAP25</i> variant links aberrant <i>Rac1</i> function to early-onset skeletal fragility. <i>JBMR Plus</i> , 2021, 5, e10509.	1.3	4
68	The Thyroid Hormone Transporter MCT10 Is a Novel Regulator of Trabecular Bone Mass and Bone Turnover in Male Mice. <i>Endocrinology</i> , 2022, 163, .	1.4	4
69	Mapping of the gene encoding the B56 ² 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). <i>Human Genetics</i> , 1997, 100, 481-485.	1.8	2
70	A Tense Case – Carney's Triad. <i>Journal of the Royal Society of Medicine</i> , 2004, 97, 540-541.	1.1	1
71	An undiagnosed stupor in the acute medical unit: a case of malignant catatonia. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2015, 108, 335-336.	0.2	1
72	Thyroid Hormone in Bone and Joint Disorders. , 2018, , 547-569.		0

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73	Response to Letter to the Editor: "IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction" Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2315-e2316.	1.8	0
74	Thyroid hormone, thyroid medication, and the skeleton. , 2021, , 1139-1157.		0