

J H Duncan Bassett

List of Publications by Citations

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79
papers

3,977
citations

36
h-index

62
g-index

85
ext. papers

5,039
ext. citations

7.8
avg, IF

5.65
L-index

#	Paper	IF	Citations
79	Mechanisms of thyroid hormone receptor-specific nuclear and extra nuclear actions. <i>Molecular and Cellular Endocrinology</i> , 2003 , 213, 1-11	4.4	288
78	An atlas of genetic influences on osteoporosis in humans and mice. <i>Nature Genetics</i> , 2019 , 51, 258-266	36.3	270
77	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	36.3	235
76	Role of Thyroid Hormones in Skeletal Development and Bone Maintenance. <i>Endocrine Reviews</i> , 2016 , 37, 135-87	27.2	217
75	The molecular actions of thyroid hormone in bone. <i>Trends in Endocrinology and Metabolism</i> , 2003 , 14, 356-64	8.8	184
74	The bone remodelling cycle. <i>Annals of Clinical Biochemistry</i> , 2018 , 55, 308-327	2.2	179
73	Thyroid hormone excess rather than thyrotropin deficiency induces osteoporosis in hyperthyroidism. <i>Molecular Endocrinology</i> , 2007 , 21, 1095-107		123
72	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	11	119
71	Inhibiting the osteocyte-specific protein sclerostin increases bone mass and fracture resistance in multiple myeloma. <i>Blood</i> , 2017 , 129, 3452-3464	2.2	117
70	Thyroid and bone. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 503, 129-36	4.1	112
69	Contrasting skeletal phenotypes in mice with an identical mutation targeted to thyroid hormone receptor alpha1 or beta. <i>Molecular Endocrinology</i> , 2005 , 19, 3045-59		109
68	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, 7604-9	11.5	106
67	Thyroid status during skeletal development determines adult bone structure and mineralization. <i>Molecular Endocrinology</i> , 2007 , 21, 1893-904		102
66	Critical role of the hypothalamic-pituitary-thyroid axis in bone. <i>Bone</i> , 2008 , 43, 418-26	4.7	94
65	A lack of thyroid hormones rather than excess thyrotropin causes abnormal skeletal development in hypothyroidism. <i>Molecular Endocrinology</i> , 2008 , 22, 501-12		94
64	Deiodinases: the balance of thyroid hormone: local control of thyroid hormone action: role of type 2 deiodinase. <i>Journal of Endocrinology</i> , 2011 , 209, 261-72	4.7	89
63	Common signalling pathways in macrophage and osteoclast multinucleation. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	83

62	Thyroid diseases and bone health. <i>Journal of Endocrinological Investigation</i> , 2018 , 41, 99-109	5.2	78
61	The skeletal consequences of thyrotoxicosis. <i>Journal of Endocrinology</i> , 2012 , 213, 209-21	4.7	73
60	Thyroid hormone metabolism in skeletal development and adult bone maintenance. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 155-62	8.8	67
59	Thyroid hormones regulate fibroblast growth factor receptor signaling during chondrogenesis. <i>Endocrinology</i> , 2005 , 146, 5568-80	4.8	66
58	Mechanisms of action of thyroid hormones in the skeleton. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3979-86	4	64
57	The skeletal phenotypes of TRalpha and TRbeta mutant mice. <i>Journal of Molecular Endocrinology</i> , 2009 , 42, 269-82	4.5	63
56	Genetic evidence that thyroid hormone is indispensable for prepubertal insulin-like growth factor-I expression and bone acquisition in mice. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 1067-79	6.3	62
55	Rapid-throughput skeletal phenotyping of 100 knockout mice identifies 9 new genes that determine bone strength. <i>PLoS Genetics</i> , 2012 , 8, e1002858	6	62
54	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	11.5	53
53	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, 876-90	6.3	53
52	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. <i>Cell</i> , 2021 , 184, 1330-1347	14.2	49
51	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, 768-70	5.6	44
50	Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain. <i>Journal of Clinical Investigation</i> , 2019 , 129, 230-245	15.9	44
49	Kcnn4 is a regulator of macrophage multinucleation in bone homeostasis and inflammatory disease. <i>Cell Reports</i> , 2014 , 8, 1210-24	10.6	41
48	Thyroid hormone receptor mutation causes a severe and thyroxine-resistant skeletal dysplasia in female mice. <i>Endocrinology</i> , 2014 , 155, 3699-712	4.8	41
47	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	6.3	39
46	Characterization of skeletal phenotypes of TRalpha1 and TRbeta mutant mice: implications for tissue thyroid status and T3 target gene expression. <i>Nuclear Receptor Signaling</i> , 2006 , 4, e011	1	38
45	Classification and proposed nomenclature for inherited defects of thyroid hormone action, cell transport, and metabolism. <i>Thyroid</i> , 2014 , 24, 407-9	6.2	37

44	Thyroid hormone regulates heparan sulfate proteoglycan expression in the growth plate. <i>Endocrinology</i> , 2006 , 147, 295-305	4.8	36
43	Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signaling. <i>Nature Metabolism</i> , 2019 , 1, 111-124	14.6	36
42	Thyrostimulin Regulates Osteoblastic Bone Formation During Early Skeletal Development. <i>Endocrinology</i> , 2015 , 156, 3098-113	4.8	33
41	Novel DAX1 mutations in X-linked adrenal hypoplasia congenita and hypogonadotrophic hypogonadism. <i>Clinical Endocrinology</i> , 1999 , 50, 69-75	3.4	30
40	A mouse model for spondyloepiphyseal dysplasia congenita with secondary osteoarthritis due to a Col2a1 mutation. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 413-28	6.3	27
39	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	14.7	25
38	Quantitative X-ray imaging of rodent bone by Faxitron. <i>Methods in Molecular Biology</i> , 2012 , 816, 499-506	1.4	25
37	Rapid phenotyping of knockout mice to identify genetic determinants of bone strength. <i>Journal of Endocrinology</i> , 2016 , 231, R31-46	4.7	24
36	Mice lacking the calcineurin inhibitor Rcan2 have an isolated defect of osteoblast function. <i>Endocrinology</i> , 2012 , 153, 3537-48	4.8	20
35	Slc20a2, 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	6.3	18
34	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	6.3	18
33	Adult mice lacking the type 2 iodothyronine deiodinase have increased subchondral bone but normal articular cartilage. <i>Thyroid</i> , 2015 , 25, 269-77	6.2	14
32	Role of thyroid hormones in craniofacial development. <i>Nature Reviews Endocrinology</i> , 2020 , 16, 147-164	15.2	14
31	IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	14
30	Quantitative X-ray microradiography for high-throughput phenotyping of osteoarthritis in mice. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, 1396-400	6.2	12
29	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. <i>Nature Communications</i> , 2021 , 12, 2444	17.4	12
28	Accelerating functional gene discovery in osteoarthritis. <i>Nature Communications</i> , 2021 , 12, 467	17.4	12
27	An Essential Physiological Role for MCT8 in Bone in Male Mice. <i>Endocrinology</i> , 2017 , 158, 3055-3066	4.8	11

26	Bone signaling pathways and treatment of osteoporosis. <i>Expert Review of Endocrinology and Metabolism</i> , 2009 , 4, 639-650	4.1	11
25	A trans-eQTL network regulates osteoclast multinucleation and bone mass. <i>ELife</i> , 2020 , 9,	8.9	10
24	The European Consortium on MEN1. Linkage disequilibrium studies in multiple endocrine neoplasia type 1 (MEN1). <i>Human Genetics</i> , 1997 , 100, 657-65	6.3	9
23	Analysis of Physiological Responses to Thyroid Hormones and Their Receptors in Bone. <i>Methods in Molecular Biology</i> , 2018 , 1801, 123-154	1.4	8
22	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. <i>PLoS Genetics</i> , 2020 , 16, e1009190	6	8
21	A molecular quantitative trait locus map for osteoarthritis. <i>Nature Communications</i> , 2021 , 12, 1309	17.4	8
20	PYY is a negative regulator of bone mass and strength. <i>Bone</i> , 2019 , 127, 427-435	4.7	6
19	Analysis of skeletal phenotypes in thyroid hormone receptor mutant mice. <i>Scanning</i> , 2006 , 28, 91-93	1.6	6
18	Quantitative X-Ray Imaging of Mouse Bone by Faxitron. <i>Methods in Molecular Biology</i> , 2019 , 1914, 559-569	6.9	5
17	Bone Mineral Content and Density. <i>Current Protocols in Mouse Biology</i> , 2012 , 2, 365-400	1.1	5
16	Decoding the genomic basis of osteoarthritis		4
15	A Polygenic Risk Score as a Risk Factor for Medication-Associated Fractures. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1935-1941	6.3	3
14	Frequent falls and confusion: recurrent hypoglycemia in a patient with tuberous sclerosis complex. <i>Clinical Case Reports (discontinued)</i> , 2018 , 6, 904-909	0.7	3
13	Osteocyte Transcriptome Mapping Identifies a Molecular Landscape Controlling Skeletal Homeostasis and Susceptibility to Skeletal Disease		3
12	An Atlas of Human and Murine Genetic Influences on Osteoporosis		3
11	A Roadmap to Gene Discoveries and Novel Therapies in Monogenic Low and High Bone Mass Disorders. <i>Frontiers in Endocrinology</i> , 2021 , 12, 709711	5.7	3
10	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, 335-6	2.7	1
9	Mapping of the gene encoding the B56 beta 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, 481-5	6.3	1

8	Accelerating functional gene discovery in osteoarthritis		1
7	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	5.7	0
6	Response to Letter to the Editor: "IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction". <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	
5	A Tense Case–arney’s Triad. <i>Journal of the Royal Society of Medicine</i> , 2004 , 97, 540-541	2.3	
4	An variant links aberrant Rac1 function to early-onset skeletal fragility. <i>JBMR Plus</i> , 2021 , 5, e10509	3.9	
3	Thyroid hormone, thyroid medication, and the skeleton 2021 , 1139-1157		
2	Animal Models 2018 , 359-366		
1	Thyroid Hormone in Bone and Joint Disorders 2018 , 547-569		