J H Duncan Bassett

List of Publications by Year in Descending Order

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	Bone Phenotyping Approaches in Human, Mice and Zebrafish - Expert Overview of the EU Cost Action GEMSTONE ("GEnomics of MusculoSkeletal traits TranslatiOnal NEtwork").. *Frontiers in Endocrinology*, **2021**, 12, 720728	5.7	0
78	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. *Cell*, **2021**, 184, 1330-1347.e13	36.2	49
77	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. *Nature Communications*, **2021**, 12, 2444	17.4	12
76	An variant links aberrant Rac1 function to early-onset skeletal fragility. *JBMR Plus*, **2021**, 5, e10509	3.9	
75	Thyroid hormone, thyroid medication, and the skeleton **2021**, 1139-1157		
74	A molecular quantitative trait locus map for osteoarthritis. *Nature Communications*, **2021**, 12, 1309	17.4	8
73	A Roadmap to Gene Discoveries and Novel Therapies in Monogenic Low and High Bone Mass Disorders. *Frontiers in Endocrinology*, **2021**, 12, 709711	5.7	3
72	Accelerating functional gene discovery in osteoarthritis. *Nature Communications*, **2021**, 12, 467	17.4	12
71	A Polygenic Risk Score as a Risk Factor for Medication-Associated Fractures. *Journal of Bone and Mineral Research*, **2020**, 35, 1935-1941	6.3	3
70	Response to Letter to the Editor: "IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction". *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	
69	Role of thyroid hormones in craniofacial development. *Nature Reviews Endocrinology*, **2020**, 16, 147-164	15.2	14
68	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. *PLoS Genetics*, **2020**, 16, e1009190	6	8
67	A trans-eQTL network regulates osteoclast multinucleation and bone mass. *ELife*, **2020**, 9,	8.9	10
66	IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	14
65	Quantitative X-Ray Imaging of Mouse Bone by Faxitron. *Methods in Molecular Biology*, **2019**, 1914, 559-569	1.4	5
64	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	6.3	18
63	PYY is a negative regulator of bone mass and strength. *Bone*, **2019**, 127, 427-435	4.7	6

62	Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain. *Journal of Clinical Investigation*, **2019**, 129, 230-245	15.9	44
61	An atlas of genetic influences on osteoporosis in humans and mice. *Nature Genetics*, **2019**, 51, 258-266	36.3	270
60	Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signaling. *Nature Metabolism*, **2019**, 1, 111-124	14.6	36
59	The bone remodelling cycle. *Annals of Clinical Biochemistry*, **2018**, 55, 308-327	2.2	179
58	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	11	119
57	Frequent falls and confusion: recurrent hypoglycemia in a patient with tuberous sclerosis complex. *Clinical Case Reports (discontinued)*, **2018**, 6, 904-909	0.7	3
56	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	6.3	18
55	Thyroid diseases and bone health. *Journal of Endocrinological Investigation*, **2018**, 41, 99-109	5.2	78
54	Common signalling pathways in macrophage and osteoclast multinucleation. *Journal of Cell Science*, **2018**, 131,	5.3	83
53	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	4.7	25
52	Analysis of Physiological Responses to Thyroid Hormones and Their Receptors in Bone. *Methods in Molecular Biology*, **2018**, 1801, 123-154	1.4	8
51	Animal Models **2018**, 359-366		
50	Thyroid Hormone in Bone and Joint Disorders **2018**, 547-569		
49	Inhibiting the osteocyte-specific protein sclerostin increases bone mass and fracture resistance in multiple myeloma. *Blood*, **2017**, 129, 3452-3464	2.2	117
48	An Essential Physiological Role for MCT8 in Bone in Male Mice. *Endocrinology*, **2017**, 158, 3055-3066	4.8	11
47	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	11.5	53
46	Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. *Nature Genetics*, **2017**, 49, 1468-1475	36.3	235
45	Role of Thyroid Hormones in Skeletal Development and Bone Maintenance. *Endocrine Reviews*, **2016**, 37, 135-87	27.2	217

44	Rapid phenotyping of knockout mice to identify genetic determinants of bone strength. *Journal of Endocrinology*, **2016**, 231, R31-46	4.7	24
43	An undiagnosed stupor in the acute medical unit: a case of malignant catatonia. *QJM - Monthly Journal of the Association of Physicians*, **2015**, 108, 335-6	2.7	1
42	Adult mice lacking the type 2 iodothyronine deiodinase have increased subchondral bone but normal articular cartilage. *Thyroid*, **2015**, 25, 269-77	6.2	14
41	Thyrostimulin Regulates Osteoblastic Bone Formation During Early Skeletal Development. *Endocrinology*, **2015**, 156, 3098-113	4.8	33
40	Classification and proposed nomenclature for inherited defects of thyroid hormone action, cell transport, and metabolism. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 768-70	5.6	44
39	Kcnn4 is a regulator of macrophage multinucleation in bone homeostasis and inflammatory disease. *Cell Reports*, **2014**, 8, 1210-24	10.6	41
38	Classification and proposed nomenclature for inherited defects of thyroid hormone action, cell transport, and metabolism. *Thyroid*, **2014**, 24, 407-9	6.2	37
37	Quantitative X-ray microradiography for high-throughput phenotyping of osteoarthritis in mice. *Osteoarthritis and Cartilage*, **2014**, 22, 1396-400	6.2	12
36	Thyroid hormone receptor mutation causes a severe and thyroxine-resistant skeletal dysplasia in female mice. *Endocrinology*, **2014**, 155, 3699-712	4.8	41
35	Mechanisms of action of thyroid hormones in the skeleton. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 3979-86	4	64
34	Thyroid hormone metabolism in skeletal development and adult bone maintenance. *Trends in Endocrinology and Metabolism*, **2012**, 23, 155-62	8.8	67
33	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, 876-90	6.3	53
32	Genetic evidence that thyroid hormone is indispensable for prepubertal insulin-like growth factor-I expression and bone acquisition in mice. *Journal of Bone and Mineral Research*, **2012**, 27, 1067-79	6.3	62
31	A mouse model for spondyloepiphyseal dysplasia congenita with secondary osteoarthritis due to a Col2a1 mutation. *Journal of Bone and Mineral Research*, **2012**, 27, 413-28	6.3	27
30	Rapid-throughput skeletal phenotyping of 100 knockout mice identifies 9 new genes that determine bone strength. *PLoS Genetics*, **2012**, 8, e1002858	6	62
29	The skeletal consequences of thyrotoxicosis. *Journal of Endocrinology*, **2012**, 213, 209-21	4.7	73
28	Mice lacking the calcineurin inhibitor Rcan2 have an isolated defect of osteoblast function. *Endocrinology*, **2012**, 153, 3537-48	4.8	20
27	Quantitative X-ray imaging of rodent bone by Faxitron. *Methods in Molecular Biology*, **2012**, 816, 499-506	1.4	25

26	Bone Mineral Content and Density. *Current Protocols in Mouse Biology*, **2012**, 2, 365-400	1.1	5
25	Deiodinases: the balance of thyroid hormone: local control of thyroid hormone action: role of type 2 deiodinase. *Journal of Endocrinology*, **2011**, 209, 261-72	4.7	89
24	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, 7604-9	11.5	106
23	Thyroid and bone. *Archives of Biochemistry and Biophysics*, **2010**, 503, 129-36	4.1	112
22	The skeletal phenotypes of TRalpha and TRbeta mutant mice. *Journal of Molecular Endocrinology*, **2009**, 42, 269-82	4.5	63
21	Bone signaling pathways and treatment of osteoporosis. *Expert Review of Endocrinology and Metabolism*, **2009**, 4, 639-650	4.1	11
20	Critical role of the hypothalamic-pituitary-thyroid axis in bone. *Bone*, **2008**, 43, 418-26	4.7	94
19	A lack of thyroid hormones rather than excess thyrotropin causes abnormal skeletal development in hypothyroidism. *Molecular Endocrinology*, **2008**, 22, 501-12		94
18	Thyroid status during skeletal development determines adult bone structure and mineralization. *Molecular Endocrinology*, **2007**, 21, 1893-904		102
17	Thyroid hormone excess rather than thyrotropin deficiency induces osteoporosis in hyperthyroidism. *Molecular Endocrinology*, **2007**, 21, 1095-107		123
16	Thyroid hormone regulates heparan sulfate proteoglycan expression in the growth plate. *Endocrinology*, **2006**, 147, 295-305	4.8	36
15	Characterization of skeletal phenotypes of TRalpha1 and TRbeta mutant mice: implications for tissue thyroid status and T3 target gene expression. *Nuclear Receptor Signaling*, **2006**, 4, e011	1	38
14	Analysis of skeletal phenotypes in thyroid hormone receptor mutant mice. *Scanning*, **2006**, 28, 91-93	1.6	6
13	Thyroid hormones regulate fibroblast growth factor receptor signaling during chondrogenesis. *Endocrinology*, **2005**, 146, 5568-80	4.8	66
12	Contrasting skeletal phenotypes in mice with an identical mutation targeted to thyroid hormone receptor alpha1 or beta. *Molecular Endocrinology*, **2005**, 19, 3045-59		109
11	A Tense Case□arney□s Triad. *Journal of the Royal Society of Medicine*, **2004**, 97, 540-541	2.3	
10	Mechanisms of thyroid hormone receptor-specific nuclear and extra nuclear actions. *Molecular and Cellular Endocrinology*, **2003**, 213, 1-11	4.4	288
9	The molecular actions of thyroid hormone in bone. *Trends in Endocrinology and Metabolism*, **2003**, 14, 356-64	8.8	184

8	Novel DAX1 mutations in X-linked adrenal hypoplasia congenita and hypogonadotrophic hypogonadism. *Clinical Endocrinology*, **1999**, 50, 69-75	3.4	30
7	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	6.3	39
6	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). *Human Genetics*, **1997**, 100, 481-5	6.3	1
5	The European Consortium on MEN1. Linkage disequilibrium studies in multiple endocrine neoplasia type 1 (MEN1). *Human Genetics*, **1997**, 100, 657-65	6.3	9
4	Accelerating functional gene discovery in osteoarthritis		1
3	Osteocyte Transcriptome Mapping Identifies a Molecular Landscape Controlling Skeletal Homeostasis and Susceptibility to Skeletal Disease		3
2	An Atlas of Human and Murine Genetic Influences on Osteoporosis		3
1	Decoding the genomic basis of osteoarthritis		4