

# Mary Beth Humphrey

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

5,704  
citations

94433

37  
h-index

144013

57  
g-index

62  
all docs

62  
docs citations

62  
times ranked

8674  
citing authors

#	ARTICLE	IF	CITATIONS
1	The immunomodulatory adapter proteins DAP12 and Fc receptor $\gamma$ -chain (FcR $\gamma$ ) regulate development of functional osteoclasts through the Syk tyrosine kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6158-6163.	7.1	441
2	2017 American College of Rheumatology Guideline for the Prevention and Treatment of Glucocorticoid-Induced Osteoporosis. <i>Arthritis and Rheumatology</i> , 2017, 69, 1521-1537.	5.6	399
3	Cutting Edge: Inhibition of TLR and FcR Responses in Macrophages by Triggering Receptor Expressed on Myeloid Cells (TREM)-2 and DAP12. <i>Journal of Immunology</i> , 2006, 177, 2051-2055.	0.8	375
4	2017 American College of Rheumatology Guideline for the Prevention and Treatment of Glucocorticoid-Induced Osteoporosis. <i>Arthritis Care and Research</i> , 2017, 69, 1095-1110.	3.4	303
5	TREM2- and DAP12-Dependent Activation of PI3K Requires DAP10 and Is Inhibited by SHIP1. <i>Science Signaling</i> , 2010, 3, ra38.	3.6	295
6	Chronic Exposure to a TLR Ligand Injures Hematopoietic Stem Cells. <i>Journal of Immunology</i> , 2011, 186, 5367-5375.	0.8	283
7	Low-Level Transcutaneous Electrical Vagus Nerve Stimulation Suppresses Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2015, 65, 867-875.	2.8	257
8	Association of a functional variant downstream of TNFAIP3 with systemic lupus erythematosus. <i>Nature Genetics</i> , 2011, 43, 253-258.	21.4	242
9	Role of ITAM-containing adapter proteins and their receptors in the immune system and bone. <i>Immunological Reviews</i> , 2005, 208, 50-65.	6.0	216
10	Osteoporosis in Inflammatory Bowel Disease. <i>American Journal of Medicine</i> , 2009, 122, 599-604.	1.5	211
11	A functional genomics predictive network model identifies regulators of inflammatory bowel disease. <i>Nature Genetics</i> , 2017, 49, 1437-1449.	21.4	199
12	TREM2, a DAP12-Associated Receptor, Regulates Osteoclast Differentiation and Function. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 237-245.	2.8	132
13	Medication-induced osteoporosis: screening and treatment strategies. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2014, 6, 185-202.	2.7	129
14	Genome-Wide DNA Methylation Study Identifies Significant Epigenomic Changes in Osteoarthritic Cartilage. <i>Arthritis and Rheumatology</i> , 2014, 66, 2804-2815.	5.6	128
15	TREAT AF (Transcutaneous Electrical Vagus Nerve Stimulation to Suppress Atrial Fibrillation). <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 282-291.	3.2	123
16	The Signaling Adapter Protein DAP12 Regulates Multinucleation During Osteoclast Development. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 224-234.	2.8	108
17	CMRF-35-Like Molecule-1, a Novel Mouse Myeloid Receptor, Can Inhibit Osteoclast Formation. <i>Journal of Immunology</i> , 2003, 171, 6541-6548.	0.8	106
18	IL-10 Suppresses Calcium-Mediated Costimulation of Receptor Activator NF- $\kappa$ B Signaling during Human Osteoclast Differentiation by Inhibiting TREM-2 Expression. <i>Journal of Immunology</i> , 2009, 183, 2444-2455.	0.8	103

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19	A 32-Nucleotide Exon-Splicing Enhancer Regulates Usage of Competing 5' Splice Sites in a Differential Internal Exon. <i>Molecular and Cellular Biology</i> , 1995, 15, 3979-3988.	2.3	99
20	Meta-analysis and imputation identifies a 109 kb risk haplotype spanning TNFAIP3 associated with lupus nephritis and hematologic manifestations. <i>Genes and Immunity</i> , 2009, 10, 470-477.	4.1	84
21	Immune Contributions to Osteoarthritis. <i>Current Osteoporosis Reports</i> , 2017, 15, 593-600.	3.6	81
22	Cloning of cDNAs encoding human caldesmons. <i>Gene</i> , 1992, 112, 197-204.	2.2	75
23	The TREM2-DAP12 signaling pathway in Nasu-Hakola disease: a molecular genetics perspective. <i>Research and Reports in Biochemistry</i> , 2015, 5, 89.	1.6	73
24	Innate Immune Responses and Osteoarthritis. <i>Current Rheumatology Reports</i> , 2017, 19, 45.	4.7	73
25	Photoaffinity labeling and partial purification of the beta cell sulfonylurea receptor using a novel, biologically active glyburide analog. <i>Journal of Biological Chemistry</i> , 1990, 265, 8218-24.	3.4	72
26	Low-Level Vagus Nerve Stimulation Suppresses Post-Operative Atrial Fibrillation and Inflammation. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 929-938.	3.2	71
27	Bone Microenvironment Specific Roles of ITAM Adapter Signaling during Bone Remodeling Induced by Acute Estrogen-Deficiency. <i>PLoS ONE</i> , 2007, 2, e586.	2.5	68
28	A Comprehensive Review of Immunoreceptor Regulation of Osteoclasts. <i>Clinical Reviews in Allergy and Immunology</i> , 2016, 51, 48-58.	6.5	68
29	Comparison of titanium soaked in 5M NaOH or 5M KOH solutions. <i>Materials Science and Engineering C</i> , 2013, 33, 327-339.	7.3	59
30	A TRPC1 Protein-dependent Pathway Regulates Osteoclast Formation and Function. <i>Journal of Biological Chemistry</i> , 2013, 288, 22219-22232.	3.4	59
31	Osteoclasts—the innate immune cells of the bone. <i>Autoimmunity</i> , 2008, 41, 183-194.	2.6	56
32	Mice Lacking the Integrin 5 Subunit Have Accelerated Osteoclast Maturation and Increased Activity in the Estrogen-Deficient State. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 58-66.	2.8	53
33	The Innate Immune Response to <i>Salmonella enterica</i> Serovar Typhimurium by Macrophages Is Dependent on TREM2-DAP12. <i>Infection and Immunity</i> , 2008, 76, 2439-2447.	2.2	51
34	Genome-Wide DNA Methylation Study Identifies Significant Epigenomic Changes in Osteoarthritic Subchondral Bone and Similarity to Overlying Cartilage. <i>Arthritis and Rheumatology</i> , 2016, 68, 1403-1414.	5.6	50
35	A Physical Interaction Between the Adaptor Proteins DOK3 and DAP12 Is Required to Inhibit Lipopolysaccharide Signaling in Macrophages. <i>Science Signaling</i> , 2013, 6, ra72.	3.6	49
36	Low-level transcutaneous vagus nerve stimulation attenuates cardiac remodelling in a rat model of heart failure with preserved ejection fraction. <i>Experimental Physiology</i> , 2019, 104, 28-38.	2.0	45

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37	A Short Sequence within Two Purine-Rich Enhancers Determines 5â€™ Splice Site Specificity. <i>Molecular and Cellular Biology</i> , 1998, 18, 343-352.	2.3	44
38	IGF-1 Regulates Vertebral Bone Aging Through Sex-Specific and Time-Dependent Mechanisms. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 443-454.	2.8	41
39	Osteoimmunology: the expanding role of immunoreceptors in osteoclasts and bone remodeling. <i>BoneKEY Reports</i> , 2012, 1, .	2.7	40
40	Neuromodulation of Inflammation to Treat Heart Failure With Preserved Ejection Fraction: A Pilot Randomized Clinical Trial. <i>Journal of the American Heart Association</i> , 2022, 11, e023582.	3.7	40
41	Tissue-specific calibration of extracellular matrix material properties by transforming growth factor $\beta$ and Runx2 in bone is required for hearing. <i>EMBO Reports</i> , 2010, 11, 765-771.	4.5	37
42	Parallel mechanisms suppress cochlear bone remodeling to protect hearing. <i>Bone</i> , 2016, 89, 7-15.	2.9	37
43	Skeletal complications of rheumatoid arthritis. <i>Osteoporosis International</i> , 2017, 28, 2801-2812.	3.1	37
44	DOK3 Negatively Regulates LPS Responses and Endotoxin Tolerance. <i>PLoS ONE</i> , 2012, 7, e39967.	2.5	31
45	Macrophage Metalloelastase (MMP-12) Deficiency Mitigates Retinal Inflammation and Pathological Angiogenesis in Ischemic Retinopathy. <i>PLoS ONE</i> , 2012, 7, e52699.	2.5	30
46	Cardiac myxoma induced paraneoplastic syndromes: A review of the literature. <i>European Journal of Internal Medicine</i> , 2012, 23, 669-673.	2.2	29
47	TLR4 Promotes and DAP12 Limits Obesity-induced Osteoarthritis in Aged Female Mice. <i>JBMR Plus</i> , 2019, 3, e10079.	2.7	25
48	DOK3 Modulates Bone Remodeling by Negatively Regulating Osteoclastogenesis and Positively Regulating Osteoblastogenesis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2207-2218.	2.8	22
49	Differential effects of IGF-1 deficiency during the life span on structural and biomechanical properties in the tibia of aged mice. <i>Age</i> , 2016, 38, 38.	3.0	19
50	E proteins regulate osteoclast maturation and survival. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2476-2489.	2.8	7
51	Sex differences in the incidence and mode of death in rats with heart failure with preserved ejection fraction. <i>Experimental Physiology</i> , 2021, 106, 673-682.	2.0	7
52	Atrial Myxoma and Bone Changes: A Paraneoplastic Syndrome?. <i>Journal of Cardiac Surgery</i> , 2011, 26, 375-377.	0.7	6
53	Control of PTH secretion by the TRPC1 ion channel. <i>JCI Insight</i> , 2020, 5, .	5.0	6
54	Utilization of Preventive Measures for Glucocorticoid-Induced Osteoporosis among Veterans with Inflammatory Bowel Disease. <i>ISRN Gastroenterology</i> , 2013, 2013, 1-5.	1.5	5

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55	FBW7 couples structural integrity with functional output of primary cilia. <i>Communications Biology</i> , 2021, 4, 1066.	4.4	3
56	Reply. <i>Journal of the American College of Cardiology</i> , 2015, 66, 978.	2.8	1
57	Inhibition of $\beta$ -secretase in adipocytes leads to altered IL-6 secretion and adipose inflammation. <i>Adipocyte</i> , 2020, 9, 326-335.	2.8	1
58	Editorial: Lipid Kinases and Bone Homeostasis: Lessons Learned From Phosphoinositide 3-Kinase Isoform-Specific Knockouts. <i>Arthritis and Rheumatology</i> , 2014, 66, 1984-1986.	5.6	0
59	P1835 Transcutaneous vagus nerve stimulation attenuates cardiac remodeling in a rat model of heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2018, 39, .	2.2	0
60	SHIP1 associates with DAP12 and negatively regulates TREM2/DAP12 signaling. <i>FASEB Journal</i> , 2008, 22, 1065.16.	0.5	0