

# Beth S Lee

## List of Publications by Year in descending order

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50  
papers

2,092  
citations

257450

24  
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233421

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all docs

50  
docs citations

50  
times ranked

2143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of intracellular pH by a neuronal homolog of the erythrocyte anion exchanger. <i>Cell</i> , 1989, 59, 927-937.	28.9	254
2	Functional expression and subcellular localization of an anion exchanger cloned from choroid plexus.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5278-5282.	7.1	180
3	The Amino-terminal Domain of the B Subunit of Vacuolar H <sup>+</sup> -ATPase Contains a Filamentous Actin Binding Site. <i>Journal of Biological Chemistry</i> , 2000, 275, 32331-32337.	3.4	159
4	Interaction between Vacuolar H <sup>+</sup> -ATPase and Microfilaments during Osteoclast Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 29164-29171.	3.4	114
5	Physiology and Biochemistry of the Kidney Vacuolar H <sup>+</sup> -ATPase. <i>Annual Review of Physiology</i> , 1996, 58, 427-445.	13.1	110
6	Vacuolar H <sup>+</sup> -ATPase Binding to Microfilaments. <i>Journal of Biological Chemistry</i> , 2004, 279, 7988-7998.	3.4	108
7	Vacuolar ATPase in Phagosome-Lysosome Fusion. <i>Journal of Biological Chemistry</i> , 2015, 290, 14166-14180.	3.4	75
8	HLA-DR2 subtypes form an additional supertypic family of DR beta alleles.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 4591-4595.	7.1	71
9	Kruppel-Like Factor 2 (KLF2) Regulates Monocyte Differentiation and Functions in mBSA and IL-1&#946;-Induced Arthritis. <i>Current Molecular Medicine</i> , 2012, 12, 113-125.	1.3	59
10	Tropomyosin isoforms localize to distinct microfilament populations in osteoclasts. <i>Bone</i> , 2006, 39, 694-705.	2.9	58
11	Myosin X Regulates Sealing Zone Patterning in Osteoclasts through Linkage of Podosomes and Microtubules. <i>Journal of Biological Chemistry</i> , 2010, 285, 9506-9515.	3.4	58
12	Leupaxin Is a Critical Adaptor Protein in the Adhesion Zone of the Osteoclast. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 669-685.	2.8	55
13	Mechanosignaling in Bone Health, Trauma and Inflammation. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 970-985.	5.4	45
14	Transcriptional Regulation of the Vacuolar H <sup>+</sup> -ATPase B2 Subunit Gene in Differentiating THP-1 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 7320-7329.	3.4	41
15	Differential Localization of Myosin II Isoforms in Resting and Activated Osteoclasts. <i>Calcified Tissue International</i> , 2002, 71, 530-538.	3.1	41
16	Regulated Proteolysis of Nonmuscle Myosin IIA Stimulates Osteoclast Fusion. <i>Journal of Biological Chemistry</i> , 2009, 284, 12266-12275.	3.4	36
17	Human Umbilical Cord Blood-Derived CD34 <sup>+</sup> Cells Reverse Osteoporosis in NOD/SCID Mice by Altering Osteoblastic and Osteoclastic Activities. <i>PLoS ONE</i> , 2012, 7, e39365.	2.5	36
18	Vacuolar H <sup>+</sup> -ATPase Activity and Expression in Mouse Bone Marrow Cultures. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 2127-2136.	2.8	34

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19	Tropomyosin 4 regulates adhesion structures and resorptive capacity in osteoclasts. <i>Experimental Cell Research</i> , 2008, 314, 564-573.	2.6	34
20	Adaptive and maladaptive expression of the Mrna regulatory protein HuR. <i>World Journal of Biological Chemistry</i> , 2013, 4, 111.	4.3	34
21	Expression of the RNA-stabilizing protein HuR in ischemia-reperfusion injury of rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F95-F105.	2.7	32
22	HuR Stabilizes Vacuolar H <sup>+</sup> -translocating ATPase mRNA during Cellular Energy Depletion. <i>Journal of Biological Chemistry</i> , 2005, 280, 37957-37964.	3.4	28
23	Exercise-driven metabolic pathways in healthy cartilage. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1210-1222.	1.3	27
24	The RhoGAP Activity of Myosin IXB Is Critical for Osteoclast Podosome Patterning, Motility, and Resorptive Capacity. <i>PLoS ONE</i> , 2014, 9, e87402.	2.5	26
25	A Novel Transcription Factor Regulates Expression of the Vacuolar H <sup>+</sup> -ATPase B2 Subunit through AP-2 Sites during Monocytic Differentiation. <i>Journal of Biological Chemistry</i> , 1997, 272, 174-181.	3.4	25
26	Transcriptional Control of Human Antigen R by Bone Morphogenetic Protein. <i>Journal of Biological Chemistry</i> , 2010, 285, 4432-4440.	3.4	25
27	Expression and distribution of HuR during ATP depletion and recovery in proximal tubule cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F1255-F1263.	2.7	24
28	c-Src-mediated Phosphorylation of Thyroid Hormone Receptor-interacting Protein 6 (TRIP6) Promotes Osteoclast Sealing Zone Formation. <i>Journal of Biological Chemistry</i> , 2010, 285, 26641-26651.	3.4	24
29	Follistatin-like 3 is a mediator of exercise-driven bone formation and strengthening. <i>Bone</i> , 2015, 78, 62-70.	2.9	23
30	Granulocyte Colony-Stimulating Factor Upregulates the Vacuolar Proton ATPase in Human Neutrophils. <i>Blood</i> , 1997, 90, 4598-4601.	1.4	22
31	Interstitial Collagenase Activity Stimulates the Formation of Actin Rings and Ruffled Membranes in Mouse Marrow Osteoclasts. <i>Calcified Tissue International</i> , 2003, 72, 206-214.	3.1	22
32	Myosins in Osteoclast Formation and Function. <i>Biomolecules</i> , 2018, 8, 157.	4.0	22
33	Regulation of Osteoclast Differentiation by Myosin X. <i>Scientific Reports</i> , 2017, 7, 7603.	3.3	21
34	Regulation of Enhanced Vacuolar H <sup>+</sup> -ATPase Expression in Macrophages. <i>Journal of Biological Chemistry</i> , 2002, 277, 8827-8834.	3.4	20
35	Biochemistry of Mechanoenzymes: Biological Motors for Nanotechnology. <i>Biomedical Microdevices</i> , 2003, 5, 269-280.	2.8	20
36	High molecular weight tropomyosins regulate osteoclast cytoskeletal morphology. <i>Bone</i> , 2008, 43, 951-960.	2.9	18

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37	Distal urinary acidification from Homer Smith to the present. <i>Kidney International</i> , 1996, 49, 1660-1664.	5.2	17
38	HuR inhibits apoptosis by amplifying Akt signaling through a positive feedback loop. <i>Journal of Cellular Physiology</i> , 2013, 228, 182-189.	4.1	17
39	Functional vacuolar ATPase (V-ATPase) proton pumps traffic to the enterocyte brush border membrane and require CFTR. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C981-C996.	4.6	15
40	Restriction fragment length polymorphism in canine narcolepsy. <i>Immunogenetics</i> , 1989, 29, 124-126.	2.4	14
41	The RhoGAP Myo9b Promotes Bone Growth by Mediating Osteoblastic Responsiveness to IGF-1. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2103-2115.	2.8	13
42	Regulation of V-ATPase Expression in Mammalian Cells. <i>Current Protein and Peptide Science</i> , 2012, 13, 107-116.	1.4	8
43	Relationships of bone characteristics in MYO9B deficient femurs. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 84, 99-107.	3.1	7
44	Regional variations of jaw bone characteristics in an ovariectomized rat model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 110, 103952.	3.1	7
45	Krüppel-Like Factor 8 is a Stress-Responsive Transcription Factor that Regulates Expression of HuR. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 519-532.	1.6	5
46	Understanding Early-Stage Posttraumatic Osteoarthritis for Future Prospects of Diagnosis: from Knee to Temporomandibular Joint. <i>Current Osteoporosis Reports</i> , 2021, 19, 166-174.	3.6	5
47	Multiscale characterization of ovariectomized rat femur. <i>Journal of Biomechanics</i> , 2021, 122, 110462.	2.1	2
48	Granulocyte Colony-Stimulating Factor Upregulates the Vacuolar Proton ATPase in Human Neutrophils. <i>Blood</i> , 1997, 90, 4598-4601.	1.4	1
49	CFTR and V-ATPase trafficking and function in the intestinal brush border membrane. <i>FASEB Journal</i> , 2013, 27, 913.10.	0.5	0
50	Actin Organizing Proteins in Regulation of Osteoclast Function. , 2015, , 337-361.		0