Adrienne E Dubin

List of Publications by Year
in descending order

14 papers	6,592 citations	623188 14 h-index	1058022 14 g-index
18 all docs	18 docs citations	18 times ranked	5804 citing authors

#	Article	IF	Citations
1	Piezo1 and Piezo2 Are Essential Components of Distinct Mechanically Activated Cation Channels. Science, 2010, 330, 55-60.	6.0	2,109
2	Piezo proteins are pore-forming subunits of mechanically activated channels. Nature, 2012, 483, 176-181.	13.7	848
3	Piezo2 is the major transducer of mechanical forces for touch sensation in mice. Nature, 2014, 516, 121-125.	13.7	660
4	Piezo2 is required for Merkel-cell mechanotransduction. Nature, 2014, 509, 622-626.	13.7	590
5	SWELL1, a Plasma Membrane Protein, Is an Essential Component of Volume-Regulated Anion Channel. Cell, 2014, 157, 447-458.	13.5	467
6	Chemical activation of the mechanotransduction channel Piezo1. ELife, 2015, 4, .	2.8	461
7	Piezos thrive under pressure: mechanically activated ion channels in health and disease. Nature Reviews Molecular Cell Biology, 2017, 18, 771-783.	16.1	366
8	The mechanosensitive ion channel Piezo2 mediates sensitivity to mechanical pain in mice. Science Translational Medicine, 2018, 10, .	5.8	247
9	OSCA/TMEM63 are an evolutionarily conserved family of mechanically activated ion channels. ELife, 2018, 7, .	2.8	230
10	LRRC8 Proteins Form Volume-Regulated Anion Channels that Sense Ionic Strength. Cell, 2016, 164, 499-511.	13.5	209
11	Endogenous Piezo1 Can Confound Mechanically Activated Channel Identification and Characterization. Neuron, 2017, 94, 266-270.e3.	3.8	122
12	A role of PIEZO1 in iron metabolism in mice and humans. Cell, 2021, 184, 969-982.e13.	13.5	108
13	Structure of the human volume regulated anion channel. ELife, 2018, 7, .	2.8	91
14	PIEZO ion channel is required for root mechanotransduction in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	65