

Whasil Lee

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

893
citations

933447

10
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

1227
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergy between Piezo1 and Piezo2 channels confers high-strain mechanosensitivity to articular cartilage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5114-22.	7.1	321
2	UVA Generates Pyrimidine Dimers in DNA Directly. <i>Biophysical Journal</i> , 2009, 96, 1151-1158.	0.5	132
3	Inflammatory signaling sensitizes Piezo1 mechanotransduction in articular chondrocytes as a pathogenic feed-forward mechanism in osteoarthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	99
4	TRPV4 is necessary for trigeminal irritant pain and functions as a cellular formalin receptor. <i>Pain</i> , 2014, 155, 2662-2672.	4.2	72
5	Small molecule dual-inhibitors of TRPV4 and TRPA1 for attenuation of inflammation and pain. <i>Scientific Reports</i> , 2016, 6, 26894.	3.3	58
6	Mechanical Unfolding of an Ankyrin Repeat Protein. <i>Biophysical Journal</i> , 2010, 98, 1294-1301.	0.5	56
7	Fast and Forceful Refolding of Stretched α -Helical Solenoid Proteins. <i>Biophysical Journal</i> , 2010, 98, 3086-3092.	0.5	49
8	Full Reconstruction of a Vectorial Protein Folding Pathway by Atomic Force Microscopy and Molecular Dynamics Simulations*. <i>Journal of Biological Chemistry</i> , 2010, 285, 38167-38172.	3.4	36
9	The Role of Mechanically-Activated Ion Channels Piezo1, Piezo2, and TRPV4 in Chondrocyte Mechanotransduction and Mechano-Therapeutics for Osteoarthritis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.7	28
10	Mechanical Anisotropy of Ankyrin Repeats. <i>Biophysical Journal</i> , 2012, 102, 1118-1126.	0.5	20
11	Mutation of Conserved Histidines Alters Tertiary Structure and Nanomechanics of Consensus Ankyrin Repeats. <i>Journal of Biological Chemistry</i> , 2012, 287, 19115-19121.	3.4	10
12	Minimizing Pulling Geometry Errors in Atomic Force Microscope Single Molecule Force Spectroscopy. <i>Biophysical Journal</i> , 2008, 95, 3991-3998.	0.5	9
13	Effect of knee joint loading on chondrocyte mechano-vulnerability and severity of post-traumatic osteoarthritis induced by ACL-injury in mice. <i>Osteoarthritis and Cartilage Open</i> , 2022, 4, 100227.	2.0	2
14	Full reconstruction of a vectorial protein folding pathway by atomic force microscopy and molecular dynamics simulations.. <i>Journal of Biological Chemistry</i> , 2011, 286, 8708.	3.4	0