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List of Publications by Year
in descending order

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34	619	623734	610901
papers	citations	14 h-index	24 g-index

35	35	35	837
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The toposiomerase IIIalpha-RMI1-RMI2 complex orients human Bloomâ€™s syndrome helicase for efficient disruption of D-loops. Nature Communications, 2022, 13, 654.	12.8	8
2	The role of NM2 rearrangement during cytokinesis. Biophysical Journal, 2022, 121, 259a-260a.	0.5	0
3	Chiral HPLC separation of enantiomeric blebbistatin derivatives and racemization analysis in vertebrate tissues. Journal of Pharmaceutical and Biomedical Analysis, 2021, 204, 114246.	2.8	2
4	Improved Inhibitory and Absorption, Distribution, Metabolism, Excretion, and Toxicology (ADMET) Properties of Blebbistatin Derivatives Indicate That Blebbistatin Scaffold Is Ideal for drug Development Targeting Myosin-2. Journal of Pharmacology and Experimental Therapeutics, 2021, 376, 358-373.	2.5	5
5	Single Residue Variation in Skeletal Muscle Myosin Enables Direct and Selective Drug Targeting for Spasticity and Muscle Stiffness. Cell, 2020, 183, 335-346.e13.	28.9	21
6	Effect of allosteric inhibition of non-muscle myosin 2 on its intracellular diffusion. Scientific Reports, 2020, 10, 13341.	3.3	4
7	Direct myosin-2 inhibition enhances cerebral perfusion resulting in functional improvement after ischemic stroke. Theranostics, 2020, 10, 5341-5356.	10.0	9
8	The New-Generation Muscle Relaxant MPH-220 Dissolves Spasticity in Muscles After Cns Injury - a Promising Drug to Address Post-Stroke Spasticity. Biophysical Journal, 2020, 118, 434a.	0.5	1
9	SAR Analysis of Linker Derivatives of the Smooth Muscle Myosin Specific CK-571 Compound. Biophysical Journal, 2020, 118, 495a.	0.5	1
10	Targeted Myosin-2 Inhibition Improves Brain Regeneration After Stroke by Relaxing Hypoxia-Induced Vasoconstriction in Capillaries. Biophysical Journal, 2020, 118, 434a-435a.	0.5	0
11	Fault Diagnosis of Rotating Electrical Machines Using Multi-Label Classification. Applied Sciences (Switzerland), 2019, 9, 5086.	2.5	35
12	Human RAD51 rapidly forms intrinsically dynamic nucleoprotein filaments modulated by nucleotide binding state. Nucleic Acids Research, 2018, 46, 3967-3980.	14.5	32
13	Targeting Myosin by Blebbistatin Derivatives: Optimization and Pharmacological Potential. Trends in Biochemical Sciences, 2018, 43, 700-713.	7.5	73
14	Shuttling along DNA and directed processing of D-loops by RecQ helicase support quality control of homologous recombination. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E466-E475.	7.1	39
15	RecQ helicase triggers a binding mode change in the SSBâ€“DNA complex to efficiently initiate DNA unwinding. Nucleic Acids Research, 2017, 45, 11878-11890.	14.5	22
16	Recent adaptations of fluorescence techniques for the determination of mechanistic parameters of helicases and translocases. Methods, 2016, 108, 24-39.	3.8	3
17	Mechanism of RecQ helicase mechanoenzymatic coupling reveals that the DNA interactions of the ADP-bound enzyme control translocation run terminations. Nucleic Acids Research, 2015, 43, 1090-1097.	14.5	4
18	Nucleosome Positioning on Lambda DNA for Single-Molecule Analysis of Chromatin Remodeling - Development of a Versatile Lambda DNA Construct Capable of Reception of any DNA Sequences of Interest. Biophysical Journal, 2014, 106, 70a.	0.5	0

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19	Visualization of human Bloom's syndrome helicase molecules bound to homologous recombination intermediates. FASEB Journal, 2013, 27, 4954-4964.	0.5	15
20	From keys to bulldozers: expanding roles for winged helix domains in nucleic-acid-binding proteins. Trends in Biochemical Sciences, 2013, 38, 364-371.	7.5	69
21	Complex activities of the human Bloom's syndrome helicase are encoded in a core region comprising the RecA and Zn-binding domains. Nucleic Acids Research, 2012, 40, 3952-3963.	14.5	26
22	RecQ helicase translocates along single-stranded DNA with a moderate processivity and tight mechanochemical coupling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9804-9809.	7.1	25
23	Dynamic Switch Between Assembly States of the Human Bloom's Syndrome Helicase during Homologous Recombination. Biophysical Journal, 2012, 102, 486a.	0.5	0
24	Mechanism of D-Loop Disruption by the Human Bloom's Syndrome Helicase. Biophysical Journal, 2012, 102, 280a.	0.5	0
25	Processive translocation mechanism of the human Bloomâ€™s syndrome helicase along single-stranded DNA. Nucleic Acids Research, 2010, 38, 4404-4414.	14.5	37
26	Myosin complexed with ADP and blebbistatin reversibly adopts a conformation resembling the start point of the working stroke. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6799-6804.	7.1	41
27	Functional adaptation of the switchâ€2 nucleotide sensor enables rapid processive translocation by myosinâ€5. FASEB Journal, 2010, 24, 4480-4490.	0.5	12
28	Streamlined determination of processive run length and mechanochemical coupling of nucleic acid motor activities. Nucleic Acids Research, 2010, 38, e102-e102.	14.5	11
29	Mechanism of DNA-Dependent Enzymatic Activation of E. Coli RecQ Helicase. Biophysical Journal, 2010, 98, 268a.	0.5	0
30	Kinetic Characterization of the Function of Myosin Loop 4 in the Actinâ˜Myosin Interaction. Biochemistry, 2008, 47, 283-291.	2.5	9
31	The Mechanism of the Reverse Recovery Step, Phosphate Release, and Actin Activation of Dictyostelium Myosin II. Journal of Biological Chemistry, 2008, 283, 8153-8163.	3.4	46
32	Myosin cleft closure by double electronâ€“electron resonance and dipolar EPR. Journal of Physics Condensed Matter, 2007, 19, 285208.	1.8	8
33	Reversible movement of switch 1 loop of myosin determines actin interaction. EMBO Journal, 2007, 26, 265-274.	7.8	45
34	Enzyme Kinetics above Denaturation Temperature: A Temperature-Jump/Stopped-Flow Apparatus. Biophysical Journal, 2006, 91, 4605-4610.	0.5	16