

Nordine Helassa

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

673
citations

759233

12
h-index

713466

21
g-index

38
all docs

38
docs citations

38
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast glutamate sensors resolve high-frequency release at Schaffer collateral synapses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5594-5599.	7.1	127
2	Design and mechanistic insight into ultrafast calcium indicators for monitoring intracellular calcium dynamics. Scientific Reports, 2016, 6, 38276.	3.3	84
3	Calcium Sensors in Neuronal Function and Dysfunction. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035154.	5.5	65
4	Adsorption and desorption of monomeric Bt (<i>Bacillus thuringiensis</i>) Cry1Aa toxin on montmorillonite and kaolinite. Soil Biology and Biochemistry, 2009, 41, 498-504.	8.8	59
5	Effects of physicochemical interactions and microbial activity on the persistence of Cry1Aa Bt (<i>Bacillus thuringiensis</i>) toxin in soil. Soil Biology and Biochemistry, 2011, 43, 1089-1097.	8.8	48
6	Fast-Response Calmodulin-Based Fluorescent Indicators Reveal Rapid Intracellular Calcium Dynamics. Scientific Reports, 2015, 5, 15978.	3.3	45
7	High-speed imaging of glutamate release with genetically encoded sensors. Nature Protocols, 2019, 14, 1401-1424.	12.0	36
8	Biophysical and functional characterization of hippocalcin mutants responsible for human dystonia. Human Molecular Genetics, 2017, 26, 2426-2435.	2.9	29
9	Single Synapse Indicators of Impaired Glutamate Clearance Derived from Fast <i>iGluu</i> Imaging of Cortical Afferents in the Striatum of Normal and Huntington (Q175) Mice. Journal of Neuroscience, 2019, 39, 3970-3982.	3.6	26
10	The membrane anchor of penicillin-binding protein PBP2a from <i>Streptococcus pneumoniae</i> influences peptidoglycan chain length. FEBS Journal, 2012, 279, 2071-2081.	4.7	25
11	Adsorption of Alexa-Labeled Bt Toxin on Mica, Glass, and Hydrophobized Glass: Study by Normal Scanning Confocal Fluorescence. Biomacromolecules, 2010, 11, 1661-1666.	5.4	24
12	Adsorption on montmorillonite prevents oligomerization of Bt Cry1Aa toxin. Journal of Colloid and Interface Science, 2011, 356, 718-725.	9.4	20
13	A centrosome-localized calcium signal is essential for mammalian cell mitosis. FASEB Journal, 2019, 33, 14602-14610.	0.5	17
14	A novel fluorescent sensor protein for detecting changes in airway surface liquid glucose concentration. Biochemical Journal, 2014, 464, 213-220.	3.7	12
15	Peptidoglycan Assembly Machines: The Biochemical Evidence. Microbial Drug Resistance, 2012, 18, 256-260.	2.0	11
16	Mobility of adsorbed Cry1Aa insecticidal toxin from <i>Bacillus thuringiensis</i> (Bt) on montmorillonite measured by fluorescence recovery after photobleaching (FRAP). Philosophical Magazine, 2010, 90, 2365-2371.	1.6	7
17	Kinetic Mechanisms of Fast Glutamate Sensing by Fluorescent Protein Probes. Biophysical Journal, 2020, 118, 117-127.	0.5	7
18	CPVT-associated calmodulin variants N53I and A102V dysregulate Ca ²⁺ signalling via different mechanisms. Journal of Cell Science, 2022, 135, .	2.0	7

#	ARTICLE	IF	CITATIONS
19	Mitosis, Focus on Calcium. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	3
20	Structure, Biological Activity and Environmental Fate of Insecticidal Bt (<i>Bacillus thuringiensis</i>) Cry Proteins of Bacterial and Genetically Modified Plant Origin. , 2013, , 49-77.		1
21	Ultrafast Genetically Encoded Calcium Indicators for Visualizing Calcium Flux and Action Potentials. <i>Biophysical Journal</i> , 2014, 106, 242a.	0.5	1
22	Development of Fast-Response GCaMP6 Calcium Sensors for Monitoring Neuronal Action Potential. <i>Biophysical Journal</i> , 2016, 110, 372a.	0.5	1
23	GCaMP3-Derived Genetically Encoded Probes as Rapid Intracellular Signals for Calcium Dynamics. <i>Biophysical Journal</i> , 2015, 108, 150a.	0.5	0
24	Diffusion-Limited Glutamate Binding to GluBP is Revealed by Novel Fluorescent Probe. <i>Biophysical Journal</i> , 2018, 114, 153a.	0.5	0
25	Dystonia-Associated Hippocalcin Mutants Dysregulate Cellular Calcium Influx. <i>Biophysical Journal</i> , 2018, 114, 467a-468a.	0.5	0
26	Novel iGluSnFR Variants Optimised for Rapid Glutamate Imaging. <i>Biophysical Journal</i> , 2018, 114, 153a.	0.5	0
27	Long-QT Syndrome-Associated Calmodulin Mutations and Their Interactions at the Kv7.1 Potassium Channel. <i>Biophysical Journal</i> , 2020, 118, 404a.	0.5	0
28	LQTS-Associated Mutants of Calmodulin Show Disrupted Interaction with L-Type Calcium Channels. <i>Biophysical Journal</i> , 2020, 118, 405a.	0.5	0
29	Interaction of Bt toxin with Organo-mineral Surfaces and Consequences for Its Fate in the Environment. , 2010, , 187-189.		0
30	TSPAN ⁷ as a key regulator of glucose-stimulated Ca ²⁺ influx and insulin secretion. <i>Journal of Physiology</i> , 2021, 599, 1733-1734.	2.9	0