

# 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	CPVT-associated calmodulin variants N53I and A102V dysregulate Ca <sup>2+</sup> signalling via different mechanisms. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	7
2	TSPAN <sup>67</sup> as a key regulator of glucose <sup>6</sup> stimulated Ca <sup>2+</sup> influx and insulin secretion. <i>Journal of Physiology</i> , 2021, 599, 1733-1734.	2.9	0
3	Kinetic Mechanisms of Fast Glutamate Sensing by Fluorescent Protein Probes. <i>Biophysical Journal</i> , 2020, 118, 117-127.	0.5	7
4	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
5	LQTS-Associated Mutants of Calmodulin Show Disrupted Interaction with L-Type Calcium Channels. <i>Biophysical Journal</i> , 2020, 118, 405a.	0.5	0
6	A centrosome <sup>6</sup> localized calcium signal is essential for mammalian cell mitosis. <i>FASEB Journal</i> , 2019, 33, 14602-14610.	0.5	17
7	Calcium Sensors in Neuronal Function and Dysfunction. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035154.	5.5	65
8	Single Synapse Indicators of Impaired Glutamate Clearance Derived from Fast iGlu <sub>u</sub> Imaging of Cortical Afferents in the Striatum of Normal and Huntington (Q175) Mice. <i>Journal of Neuroscience</i> , 2019, 39, 3970-3982.	3.6	26
9	High-speed imaging of glutamate release with genetically encoded sensors. <i>Nature Protocols</i> , 2019, 14, 1401-1424.	12.0	36
10	Diffusion-Limited Glutamate Binding to GluBP is Revealed by Novel Fluorescent Probe. <i>Biophysical Journal</i> , 2018, 114, 153a.	0.5	0
11	Dystonia-Associated Hippocalcin Mutants Dysregulate Cellular Calcium Influx. <i>Biophysical Journal</i> , 2018, 114, 467a-468a.	0.5	0
12	Novel iGluSnFR Variants Optimised for Rapid Glutamate Imaging. <i>Biophysical Journal</i> , 2018, 114, 153a.	0.5	0
13	Ultrafast glutamate sensors resolve high-frequency release at Schaffer collateral synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5594-5599.	7.1	127
14	Biophysical and functional characterization of hippocalcin mutants responsible for human dystonia. <i>Human Molecular Genetics</i> , 2017, 26, 2426-2435.	2.9	29
15	Design and mechanistic insight into ultrafast calcium indicators for monitoring intracellular calcium dynamics. <i>Scientific Reports</i> , 2016, 6, 38276.	3.3	84
16	Development of Fast-Response GCaMP6 Calcium Sensors for Monitoring Neuronal Action Potential. <i>Biophysical Journal</i> , 2016, 110, 372a.	0.5	1
17	Fast-Response Calmodulin-Based Fluorescent Indicators Reveal Rapid Intracellular Calcium Dynamics. <i>Scientific Reports</i> , 2015, 5, 15978.	3.3	45
18	GCaMP3-Derived Genetically Encoded Probes as Rapid Intracellular Signals for Calcium Dynamics. <i>Biophysical Journal</i> , 2015, 108, 150a.	0.5	0

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19	A novel fluorescent sensor protein for detecting changes in airway surface liquid glucose concentration. <i>Biochemical Journal</i> , 2014, 464, 213-220.	3.7	12
20	Ultrafast Genetically Encoded Calcium Indicators for Visualizing Calcium Flux and Action Potentials. <i>Biophysical Journal</i> , 2014, 106, 242a.	0.5	1
21	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
22	Peptidoglycan Assembly Machines: The Biochemical Evidence. <i>Microbial Drug Resistance</i> , 2012, 18, 256-260.	2.0	11
23	The membrane anchor of penicillin-binding protein PBP2a from <i>Streptococcus pneumoniae</i> influences peptidoglycan chain length. <i>FEBS Journal</i> , 2012, 279, 2071-2081.	4.7	25
24	Effects of physicochemical interactions and microbial activity on the persistence of Cry1Aa Bt ( <i>Bacillus thuringiensis</i> ) toxin in soil. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1089-1097.	8.8	48
25	Adsorption on montmorillonite prevents oligomerization of Bt Cry1Aa toxin. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 718-725.	9.4	20
26	Mobility of adsorbed Cry1Aa insecticidal toxin from <i>Bacillus thuringiensis</i> (Bt) on montmorillonite measured by fluorescence recovery after photobleaching (FRAP). <i>Philosophical Magazine</i> , 2010, 90, 2365-2371.	1.6	7
27	Adsorption of Alexa-Labeled Bt Toxin on Mica, Glass, and Hydrophobized Glass: Study by Normal Scanning Confocal Fluorescence. <i>Biomacromolecules</i> , 2010, 11, 1661-1666.	5.4	24
28	Interaction of Bt toxin with Organo-mineral Surfaces and Consequences for Its Fate in the Environment. , 2010, , 187-189.		0
29	Adsorption and desorption of monomeric Bt ( <i>Bacillus thuringiensis</i> ) Cry1Aa toxin on montmorillonite and kaolinite. <i>Soil Biology and Biochemistry</i> , 2009, 41, 498-504.	8.8	59
30	Mitosis, Focus on Calcium. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	3