

Hui Zheng

List of Publications by Year in descending order

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36
papers

2,313
citations

471509

17
h-index

345221

36
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all docs

39
docs citations

39
times ranked

3843
citing authors

#	ARTICLE	IF	CITATIONS
1	MAVS Forms Functional Prion-like Aggregates to Activate and Propagate Antiviral Innate Immune Response. <i>Cell</i> , 2011, 146, 448-461.	28.9	1,018
2	Structural basis for the prion-like MAVS filaments in antiviral innate immunity. <i>ELife</i> , 2014, 3, e01489.	6.0	145
3	<i>DTNBP1</i> , a schizophrenia susceptibility gene, affects kinetics of transmitter release. <i>Journal of Cell Biology</i> , 2008, 181, 791-801.	5.2	144
4	Subgingival microbiome in patients with healthy and ailing dental implants. <i>Scientific Reports</i> , 2015, 5, 10948.	3.3	101
5	Lipid-dependent gating of a voltage-gated potassium channel. <i>Nature Communications</i> , 2011, 2, 250.	12.8	85
6	Induction of OTUD1 by RNA viruses potently inhibits innate immune responses by promoting degradation of the MAVS/TRAF3/TRAF6 signalosome. <i>PLoS Pathogens</i> , 2018, 14, e1007067.	4.7	75
7	Nitrate ameliorates dextran sodium sulfate-induced colitis by regulating the homeostasis of the intestinal microbiota. <i>Free Radical Biology and Medicine</i> , 2020, 152, 609-621.	2.9	69
8	Regulation of the linear ubiquitination of STAT1 controls antiviral interferon signaling. <i>Nature Communications</i> , 2020, 11, 1146.	12.8	66
9	Ca ²⁺ sparks and secretion in dorsal root ganglion neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12259-12264.	7.1	65
10	ADP-ribosyltransferase PARP11 modulates the interferon antiviral response by mono-ADP-ribosylating the ubiquitin E3 ligase I ² -TrCP. <i>Nature Microbiology</i> , 2019, 4, 1872-1884.	13.3	65
11	Tongue Coating and the Salivary Microbial Communities Vary in Children with Halitosis. <i>Scientific Reports</i> , 2016, 6, 24481.	3.3	51
12	Calcium- and Dynamin-Independent Endocytosis in Dorsal Root Ganglion Neurons. <i>Neuron</i> , 2004, 42, 225-236.	8.1	50
13	<i>Vibrio</i> effector protein, VopQ, forms a lysosomal gated channel that disrupts host ion homeostasis and autophagic flux. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11559-11564.	7.1	50
14	Targeting UBE4A Revives Viperin Protein in Epithelium to Enhance Host Antiviral Defense. <i>Molecular Cell</i> , 2020, 77, 734-747.e7.	9.7	46
15	SynDB: a Synapse protein DataBase based on synapse ontology. <i>Nucleic Acids Research</i> , 2007, 35, D737-D741.	14.5	43
16	Calcium influx through If channels in rat ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C1147-C1155.	4.6	37
17	Salivary biomarkers indicate obstructive sleep apnea patients with cardiovascular diseases. <i>Scientific Reports</i> , 2014, 4, 7046.	3.3	33
18	Digital Droplet PCR for SARS-CoV-2 Resolves Borderline Cases. <i>American Journal of Clinical Pathology</i> , 2021, 155, 815-822.	0.7	18

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19	Action Potential Modulates Ca ²⁺ -Dependent and Ca ²⁺ -Independent Secretion in a Sensory Neuron. <i>Biophysical Journal</i> , 2009, 96, 2449-2456.	0.5	17
20	Engineering a pH-Sensitive Liposomal MRI Agent by Modification of a Bacterial Channel. <i>Small</i> , 2018, 14, e1704256.	10.0	16
21	bSUM: A bead-supported unilamellar membrane system facilitating unidirectional insertion of membrane proteins into giant vesicles. <i>Journal of General Physiology</i> , 2016, 147, 77-93.	1.9	12
22	Multiplex Fragment Analysis for Flexible Detection of All SARS-CoV-2 Variants of Concern. <i>Clinical Chemistry</i> , 2022, 68, 1042-1052.	3.2	12
23	Action potential-triggered somatic exocytosis in mesencephalic trigeminal nucleus neurons in rat brain slices. <i>Journal of Physiology</i> , 2012, 590, 753-762.	2.9	11
24	Secretory granule protein chromogranin B (CHGB) forms an anion channel in membranes. <i>Life Science Alliance</i> , 2018, 1, e201800139.	2.8	11
25	Reconstitution of a Kv Channel into Lipid Membranes for Structural and Functional Studies. <i>Journal of Visualized Experiments</i> , 2013, , e50436.	0.3	10
26	A simulation study on the Ca ²⁺ -independent but voltage-dependent exocytosis and endocytosis in dorsal root ganglion neurons. <i>European Biophysics Journal</i> , 2005, 34, 1007-1016.	2.2	8
27	The Timing of Endocytosis after Activation of a G-Protein-Coupled Receptor in a Sensory Neuron. <i>Biophysical Journal</i> , 2006, 90, 3590-3598.	0.5	7
28	Extracellular Ca ²⁺ per se inhibits quantal size of catecholamine release in adrenal slice chromaffin cells. <i>Cell Calcium</i> , 2014, 56, 202-207.	2.4	7
29	Elucidating the structural organization of a novel low-density lipoprotein nanoparticle reconstituted with docosahexaenoic acid. <i>Chemistry and Physics of Lipids</i> , 2017, 204, 65-75.	3.2	6
30	An Inhibitory Effect of Extracellular Ca ²⁺ on Ca ²⁺ -Dependent Exocytosis. <i>PLoS ONE</i> , 2011, 6, e24573.	2.5	5
31	Is MTHFD1 polymorphisms rs 2236225 (c.1958G>A) associated with the susceptibility of NSCL/P? A systematic review and meta-analysis. <i>F1000Research</i> , 2015, 4, 142.	1.6	5
32	Oral Microbiota Composition and Function Changes During Chronic Erythematous Candidiasis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 691092.	3.9	3
33	Voltage sensor ring in a native structure of a membrane-embedded potassium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3369-3374.	7.1	2
34	Real-time endocytosis imaging as a rapid assay of ligand-GPCR binding in single cells. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C751-C760.	4.6	1
35	Draft Genome Sequences of Two Clinical Isolates of <i>Streptococcus mutans</i> . <i>Genome Announcements</i> , 2014, 2, .	0.8	1
36	A schizophrenia-susceptible gene affects quanta size of transmitter release. <i>Cell Biology International</i> , 2008, 32, S4-S4.	3.0	0