

Seung-Ryoung Jung

List of Publications by Year in descending order

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27
papers

644
citations

567281

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28
times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptotagmin-1 binds to PIP2-containing membrane but not to SNAREs at physiological ionic strength. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 815-823.	8.2	107
2	High membrane permeability for melatonin. <i>Journal of General Physiology</i> , 2016, 147, 63-76.	1.9	74
3	Muscarinic receptor regulates extracellular signal regulated kinase by two modes of arrestin binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5579-E5588.	7.1	40
4	A highly energetic process couples calcium influx through L-type calcium channels to insulin secretion in pancreatic β -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E717-E727.	3.5	39
5	Islet Oxygen Consumption and Insulin Secretion Tightly Coupled to Calcium Derived from L-type Calcium Channels but Not from the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2008, 283, 24334-24342.	3.4	30
6	Pattern of Ca^{2+} increase determines the type of secretory mechanism activated in dog pancreatic duct epithelial cells. <i>Journal of Physiology</i> , 2006, 576, 163-178.	2.9	28
7	High-Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Single-Molecule Sensitive Flow Technique and Transistor-Like Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13470-13475.	13.8	27
8	Chronic fractalkine administration improves glucose tolerance and pancreatic endocrine function. <i>Journal of Clinical Investigation</i> , 2018, 128, 1458-1470.	8.2	27
9	Protease-activated Receptor-2 Increases Exocytosis via Multiple Signal Transduction Pathways in Pancreatic Duct Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 18711-18720.	3.4	26
10	Contributions of protein kinases and β -arrestin to termination of protease-activated receptor 2 signaling. <i>Journal of General Physiology</i> , 2016, 147, 255-271.	1.9	25
11	Reduced Cytochrome c Is an Essential Regulator of Sustained Insulin Secretion by Pancreatic Islets. <i>Journal of Biological Chemistry</i> , 2011, 286, 17422-17434.	3.4	22
12	Phosphatidylinositol 4,5-bisphosphate is regenerated by speeding of the PI 4-kinase pathway during long PLC activation. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	20
13	Charge Shielding of PIP2 by Cations Regulates Enzyme Activity of Phospholipase C. <i>PLoS ONE</i> , 2015, 10, e0144432.	2.5	18
14	Allosteric modulation of alternatively spliced Ca^{2+} -activated Cl^{-} channels TMEM16A by $PI(4,5)P_2$ and CaMKII. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30787-30798.	7.1	17
15	Cyclic AMP potentiates Ca^{2+} -dependent exocytosis in pancreatic duct epithelial cells. <i>Journal of General Physiology</i> , 2010, 135, 527-543.	1.9	16
16	Extracellular ATP protects pancreatic duct epithelial cells from alcohol-induced damage through P2Y1 receptor-cAMP signal pathway. <i>Cell Biology and Toxicology</i> , 2016, 32, 229-247.	5.3	15
17	Quantitative microscopy based on single-molecule fluorescence. <i>Current Opinion in Chemical Biology</i> , 2017, 39, 64-73.	6.1	15
18	Actin cytoskeleton controls movement of intracellular organelles in pancreatic duct epithelial cells. <i>Cell Calcium</i> , 2012, 51, 459-469.	2.4	13

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19	Sizing Extracellular Vesicles Using Membrane Dyes and a Single Molecule-Sensitive Flow Analyzer. <i>Analytical Chemistry</i> , 2021, 93, 5897-5905.	6.5	13
20	Control of Granule Mobility and Exocytosis by Ca ²⁺ -Dependent Formation of F-Actin in Pancreatic Duct Epithelial Cells. <i>Traffic</i> , 2009, 10, 392-410.	2.7	12
21	Minimizing ATP depletion by oxygen scavengers for single-molecule fluorescence imaging in live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5706-E5715.	7.1	11
22	β-arrestin-dependent PI(4,5)P ₂ synthesis boosts GPCR endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	11
23	Single-Molecule Flow Platform for the Quantification of Biomolecules Attached to Single Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 6089-6095.	6.5	10
24	Palmitate is not an effective fuel for pancreatic islets and amplifies insulin secretion independent of calcium release from endoplasmic reticulum. <i>Islets</i> , 2019, 11, 51-64.	1.8	10
25	Fluidics system for resolving concentration-dependent effects of dissolved gases on tissue metabolism. <i>ELife</i> , 2021, 10, .	6.0	8
26	High-Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Single-Molecule Sensitive Flow Technique and Transistor-Like Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2021, 133, 13582-13587.	2.0	5
27	Biophysical physiology of phosphoinositide rapid dynamics and regulation in living cells. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	5