

Toshimitsu Kawate

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

2,171
citations

623188

14
h-index

996533

15
g-index

21
all docs

21
docs citations

21
times ranked

2642
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of the ATP-gated P2X4 ion channel in the closed state. <i>Nature</i> , 2009, 460, 592-598.	13.7	680
2	Fluorescence-Detection Size-Exclusion Chromatography for Precrystallization Screening of Integral Membrane Proteins. <i>Structure</i> , 2006, 14, 673-681.	1.6	628
3	Structural basis for subtype-specific inhibition of the P2X7 receptor. <i>ELife</i> , 2016, 5, .	2.8	206
4	The P2X7 receptor forms a dye-permeable pore independent of its intracellular domain but dependent on membrane lipid composition. <i>ELife</i> , 2017, 6, .	2.8	110
5	The Cryo-EM structure of pannexin 1 reveals unique motifs for ion selection and inhibition. <i>ELife</i> , 2020, 9, .	2.8	103
6	Pore-opening mechanism in trimeric P2X receptor channels. <i>Nature Communications</i> , 2010, 1, 44.	5.8	89
7	Membrane Protein Mobility and Orientation Preserved in Supported Bilayers Created Directly from Cell Plasma Membrane Blebs. <i>Langmuir</i> , 2016, 32, 2963-2974.	1.6	80
8	Carbenoxolone inhibits Pannexin1 channels through interactions in the first extracellular loop. <i>Journal of General Physiology</i> , 2016, 147, 165-174.	0.9	69
9	Ion access pathway to the transmembrane pore in P2X receptor channels. <i>Journal of General Physiology</i> , 2011, 137, 579-590.	0.9	62
10	On the molecular nature of large-pore channels. <i>Journal of Molecular Biology</i> , 2021, 433, 166994.	2.0	44
11	A novel member of the split $\beta\alpha\beta$ fold: Solution structure of the hypothetical protein YML108W from <i>Saccharomyces cerevisiae</i> . <i>Protein Science</i> , 2003, 12, 1136-1140.	3.1	27
12	P2X Receptor Activation. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1051, 55-69.	0.8	25
13	The weak voltage dependence of pannexin 1 channels can be tuned by N-terminal modifications. <i>Journal of General Physiology</i> , 2018, 150, 1758-1768.	0.9	20
14	CAKUT and Autonomic Dysfunction Caused by Acetylcholine Receptor Mutations. <i>American Journal of Human Genetics</i> , 2019, 105, 1286-1293.	2.6	18
15	Expression and Purification of a Mammalian P2X7 Receptor from Sf9 Insect Cells. <i>Bio-protocol</i> , 2017, 7, .	0.2	6