Toshimitsu Kawate

List of Publications by Citations

16 papers	1,655 citations	11 h-index	21 g-index
21 ext. papers	1,960 ext. citations	8.6 avg, IF	5.08 L-index

#	Paper	IF	Citations
16	Crystal structure of the ATP-gated P2X(4) ion channel in the closed state. *Nature*, **2009**, 460, 592-8	50.4	583
15	Fluorescence-detection size-exclusion chromatography for precrystallization screening of integral membrane proteins. *Structure*, **2006**, 14, 673-81	5.2	513
14	Structural basis for subtype-specific inhibition of the P2X7 receptor. *ELife*, **2016**, 5,	8.9	135
13	Pore-opening mechanism in trimeric P2X receptor channels. *Nature Communications*, **2010**, 1, 44	17.4	74
12	The P2X7 receptor forms a dye-permeable pore independent of its intracellular domain but dependent on membrane lipid composition. *ELife*, **2017**, 6,	8.9	68
11	Membrane Protein Mobility and Orientation Preserved in Supported Bilayers Created Directly from Cell Plasma Membrane Blebs. *Langmuir*, **2016**, 32, 2963-74	4	59
10	Ion access pathway to the transmembrane pore in P2X receptor channels. *Journal of General Physiology*, **2011**, 137, 579-90	3.4	55
9	The Cryo-EM structure of pannexin 1 reveals unique motifs for ion selection and inhibition. *ELife*, **2020**, 9,	8.9	53
8	Carbenoxolone inhibits Pannexin1 channels through interactions in the first extracellular loop. *Journal of General Physiology*, **2016**, 147, 165-74	3.4	41
7	Arresting and releasing Staphylococcal alpha-hemolysin at intermediate stages of pore formation by engineered disulfide bonds. *Protein Science*, **2003**, 12, 997-1006	6.3	26
6	P2X Receptor Activation. *Advances in Experimental Medicine and Biology*, **2017**, 1051, 55-69	3.6	16
5	The weak voltage dependence of pannexin 1 channels can be tuned by N-terminal modifications. *Journal of General Physiology*, **2018**, 150, 1758-1768	3.4	10
4	CAKUT and Autonomic Dysfunction Caused by Acetylcholine Receptor Mutations. *American Journal of Human Genetics*, **2019**, 105, 1286-1293	11	8
3	On the molecular nature of large-pore channels. *Journal of Molecular Biology*, **2021**, 433, 166994	6.5	8
2	Expression and Purification of a Mammalian P2X7 Receptor from Sf9 Insect Cells. *Bio-protocol*, **2017**, 7,	0.9	4
1	Methods for Studying Cholesterol-Dependent Regulation of P2X7 Receptors. *Methods in Molecular Biology*, **2022**, 253-264	1.4	