

Ruth D Murrell-Lagnado

List of Publications by Year in descending order

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28
papers

1,619
citations

394421

19
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552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1539
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of P2X4 receptors by lysosomal targeting, glycan protection and exocytosis. <i>Journal of Cell Science</i> , 2007, 120, 3838-3849.	2.0	191
2	Atomic Force Microscopy Imaging Demonstrates that P2X2 Receptors Are Trimers but That P2X6 Receptor Subunits Do Not Oligomerize. <i>Journal of Biological Chemistry</i> , 2005, 280, 10759-10765.	3.4	169
3	P2X Receptor Trafficking in Neurons Is Subunit Specific. <i>Journal of Neuroscience</i> , 2002, 22, 4814-4824.	3.6	148
4	Analysis of Assembly and Trafficking of Native P2X4 and P2X7 Receptor Complexes in Rodent Immune Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 13446-13454.	3.4	119
5	P2X4 Forms Functional ATP-activated Cation Channels on Lysosomal Membranes Regulated by Luminal pH. <i>Journal of Biological Chemistry</i> , 2014, 289, 17658-17667.	3.4	115
6	Calcium release through P2X4 activates calmodulin to promote endolysosomal membrane fusion. <i>Journal of Cell Biology</i> , 2015, 209, 879-894.	5.2	108
7	Identification of a Non-canonical Tyrosine-based Endocytic Motif in an Ionotropic Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 35378-35385.	3.4	84
8	Non-canonical YXXG \uparrow endocytic motifs: recognition by AP2 and preferential utilization in P2X4 receptors. <i>Journal of Cell Science</i> , 2005, 118, 3073-3080.	2.0	82
9	Sigma1 receptors inhibit store-operated Ca ²⁺ entry by attenuating coupling of STIM1 to Orai1. <i>Journal of Cell Biology</i> , 2016, 213, 65-79.	5.2	76
10	Splice-variants of the P2X7 receptor reveal differential agonist-dependence and functional coupling with pannexin-1. <i>Journal of Cell Science</i> , 2012, 125, 3776-89.	2.0	59
11	Plasma Membrane Cholesterol as a Regulator of Human and Rodent P2X7 Receptor Activation and Sensitization. <i>Journal of Biological Chemistry</i> , 2014, 289, 31983-31994.	3.4	58
12	An Uncharged Region within the N Terminus of the P2X6 Receptor Inhibits Its Assembly and Exit from the Endoplasmic Reticulum. <i>Molecular Pharmacology</i> , 2006, 69, 1692-1700.	2.3	57
13	Assembly and trafficking of P2X purinergic receptors (Review). <i>Molecular Membrane Biology</i> , 2008, 25, 321-331.	2.0	49
14	The trafficking and targeting of P2X receptors. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 233.	3.7	49
15	Regulation of P2X Purinergic Receptor Signaling by Cholesterol. <i>Current Topics in Membranes</i> , 2017, 80, 211-232.	0.9	43
16	Identification of amino acids within the P2X2 receptor C-terminus that regulate desensitization. <i>Journal of Physiology</i> , 1999, 520, 91-99.	2.9	42
17	The Stoichiometry of P2X2/6 Receptor Heteromers Depends on Relative Subunit Expression Levels. <i>Biophysical Journal</i> , 2007, 93, 505-512.	0.5	36
18	P2X4 and lysosome fusion. <i>Current Opinion in Pharmacology</i> , 2019, 47, 126-132.	3.5	31

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19	Identification of Regions That Regulate the Expression and Activity of G Protein-Gated Inward Rectifier K ⁺ Channels in <i>Xenopus</i> Oocytes. <i>Journal of Physiology</i> , 1997, 503, 547-562.	2.9	23
20	Novel Insertion Mutation in KCNJ5 Channel Produces Constitutive Aldosterone Release From H295R Cells. <i>Molecular Endocrinology</i> , 2015, 29, 1522-1530.	3.7	19
21	A role for P2X4 receptors in lysosome function. <i>Journal of General Physiology</i> , 2018, 150, 185-187.	1.9	16
22	P2x4 receptor promotes mammary cancer progression by sustaining autophagy and associated mesenchymal transition. <i>Oncogene</i> , 2022, 41, 2920-2931.	5.9	15
23	Atomic force microscopy (AFM) imaging suggests that stromal interaction molecule 1 (STIM1) binds to Orai1 with sixfold symmetry. <i>FEBS Letters</i> , 2014, 588, 2874-2880.	2.8	14
24	A challenge finding P2X1 and P2X4 ligands. <i>Neuropharmacology</i> , 2019, 157, 107674.	4.1	7
25	P2X4 Receptors Mediate Ca ²⁺ Release from Lysosomes in Response to Stimulation of P2X7 and H1 Histamine Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10492.	4.1	6
26	More cross-talk between purinergic receptors. <i>Journal of Physiology</i> , 2009, 587, 2713-2714.	2.9	3
27	AFM Imaging Reveals the Assembly of a P2X Receptor Complex Containing P2X2, P2X4 and P2X6 Subunits. <i>Biophysical Journal</i> , 2012, 102, 336a.	0.5	0
28	Sigma1 receptors inhibit store-operated Ca ²⁺ entry by attenuating coupling of STIM1 to Orai1. <i>Journal of General Physiology</i> , 2016, 147, 1475OIA26.	1.9	0