

# Francois Rassendren

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8770054/francois-rassendren-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

5,748  
citations

33  
h-index

59  
g-index

59  
ext. papers

6,321  
ext. citations

7  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
56	The cytolytic P2Z receptor for extracellular ATP identified as a P2X receptor (P2X7). <i>Science</i> , <b>1996</b> , 272, 735-8	33.3	1465
55	The permeabilizing ATP receptor, P2X7. Cloning and expression of a human cDNA. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 5482-6	5.4	395
54	Up-regulation of P2X4 receptors in spinal microglia after peripheral nerve injury mediates BDNF release and neuropathic pain. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 11263-8	6.6	379
53	Pore dilation of neuronal P2X receptor channels. <i>Nature Neuroscience</i> , <b>1999</b> , 2, 315-21	25.5	348
52	P2X receptors: an emerging channel family. <i>European Journal of Neuroscience</i> , <b>1996</b> , 8, 2221-8	3.5	247
51	Status epilepticus induces a particular microglial activation state characterized by enhanced purinergic signaling. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 9133-44	6.6	192
50	Identification of amino acid residues contributing to the pore of a P2X receptor. <i>EMBO Journal</i> , <b>1997</b> , 16, 3446-54	13	175
49	ATP release and purinergic signaling: a common pathway for particle-mediated inflammasome activation. <i>Cell Death and Disease</i> , <b>2012</b> , 3, e403	9.8	170
48	Identification of amino acid residues contributing to the ATP-binding site of a purinergic P2X receptor. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 34190-6	5.4	166
47	Role of cationic channel TRPV2 in promoting prostate cancer migration and progression to androgen resistance. <i>Cancer Research</i> , <b>2010</b> , 70, 1225-35	10.1	157
46	P2X4 receptors mediate PGE2 release by tissue-resident macrophages and initiate inflammatory pain. <i>EMBO Journal</i> , <b>2010</b> , 29, 2290-300	13	147
45	Zinc has opposite effects on NMDA and non-NMDA receptors expressed in <i>Xenopus</i> oocytes. <i>Neuron</i> , <b>1990</b> , 4, 733-40	13.9	145
44	Lysophospholipids stimulate prostate cancer cell migration via TRPV2 channel activation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 528-39	4.9	141
43	Altered hippocampal synaptic potentiation in P2X4 knock-out mice. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 9006-9	6.6	128
42	The NLRP3 inflammasome is activated by nanoparticles through ATP, ADP and adenosine. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1629	9.8	126
41	Contribution of individual subunits to the multimeric P2X(2) receptor: estimates based on methanethiosulfonate block at T336C. <i>Molecular Pharmacology</i> , <b>1999</b> , 56, 973-81	4.3	113
40	N-methyl-D-glucamine and propidium dyes utilize different permeation pathways at rat P2X(7) receptors. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 289, C1295-302	5.4	108

39	Amino acid residues involved in gating identified in the first membrane-spanning domain of the rat P2X(2) receptor. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 14902-8	5.4	101
38	Membrane topology of an ATP-gated ion channel (P2X receptor). <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 15177-82	5.4	96
37	Pharmacological characterization and molecular determinants of the activation of transient receptor potential V2 channel orthologs by 2-aminoethoxydiphenyl borate. <i>Molecular Pharmacology</i> , <b>2007</b> , 72, 1258-68	4.3	78
36	P2X4 receptor controls microglia activation and favors remyelination in autoimmune encephalitis. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,	12	77
35	Involvement of P2X4 receptors in hippocampal microglial activation after status epilepticus. <i>Glia</i> , <b>2013</b> , 61, 1306-19	9	74
34	Identification of a trafficking motif involved in the stabilization and polarization of P2X receptors. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 29628-38	5.4	68
33	P2X2 and P2X5 subunits define a new heteromeric receptor with P2X7-like properties. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 4284-96	6.6	55
32	A new class of noninactivating K <sup>+</sup> channels from aplysia capable of contributing to the resting potential and firing patterns of neurons. <i>Neuron</i> , <b>1994</b> , 13, 1205-13	13.9	51
31	Spatiotemporal pattern of action potential firing in developing inner hair cells of the mouse cochlea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1999-2004	11.5	50
30	Optical control of an ion channel gate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 20813-8	11.5	50
29	Regulation of P2X2 receptors by the neuronal calcium sensor VILIP1. <i>Science Signaling</i> , <b>2008</b> , 1, ra8	8.8	50
28	Histidine 140 plays a key role in the inhibitory modulation of the P2X4 nucleotide receptor by copper but not zinc. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 36777-85	5.4	42
27	A specific quisqualate agonist inhibits kainate responses induced in <i>Xenopus</i> oocytes injected with rat brain RNA. <i>Neuroscience Letters</i> , <b>1989</b> , 99, 333-9	3.3	42
26	Sensory neuronal P2RX4 receptors controls BDNF signaling in inflammatory pain. <i>Scientific Reports</i> , <b>2018</b> , 8, 964	4.9	36
25	Characterization of voltage-dependent calcium channels expressed in <i>Xenopus</i> oocytes injected with mRNA from rat heart. <i>Journal of Physiology</i> , <b>1990</b> , 429, 95-112	3.9	36
24	ATP/UTP activate cation-permeable channels with TRPC3/7 properties in rat cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H21-8	5.2	34
23	Purinergic signaling in epilepsy. <i>Journal of Neuroscience Research</i> , <b>2016</b> , 94, 781-93	4.4	27
22	The microglial reaction signature revealed by RNAseq from individual mice. <i>Glia</i> , <b>2018</b> , 66, 971-986	9	26

21	Heavy metals modulate the activity of the purinergic P2X4 receptor. <i>Toxicology and Applied Pharmacology</i> , <b>2005</b> , 202, 121-31	4.6	26
20	Probing the expression and function of the P2X7 purinoceptor with antibodies raised by genetic immunization. <i>Cellular Immunology</i> , <b>2005</b> , 236, 72-7	4.4	24
19	Levels of mRNA coding for motoneuron growth-promoting factors are increased in denervated muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 7194-8 <sup>11.5</sup>	11.5	17
18	Evidence for Status Epilepticus and Pro-Inflammatory Changes after Intranasal Kainic Acid Administration in Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150793	3.7	14
17	The appearance of a protein kinase A-regulated splice isoform of slo is associated with the maturation of neurons that control reproductive behavior. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 52324-30	5.4	13
16	Influence of bacterial toxins and forskolin upon vasopressin-induced inositol phosphate accumulation in WRK 1 cells. <i>Biochemical Journal</i> , <b>1989</b> , 260, 665-72	3.8	11
15	A Passenger Mutation Affects the Vitality and Function of T'cells in Congenic Mice. <i>IScience</i> , <b>2020</b> , 23, 101870	6.1	8
14	Electrophysiological expression of endothelin and angiotensin receptors in <i>Xenopus</i> oocytes injected with rat heart mRNA. <i>FEBS Letters</i> , <b>1989</b> , 258, 289-92	3.8	7
13	Microglia Reactivity: Heterogeneous Pathological Phenotypes. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2034, 41-55	1.4	7
12	Procedures for Culturing and Genetically Manipulating Murine Hippocampal Postnatal Neurons. <i>Frontiers in Synaptic Neuroscience</i> , <b>2020</b> , 12, 19	3.5	6
11	Generation and Characterization of Specific Monoclonal Antibodies and Nanobodies Directed Against the ATP-Gated Channel P2X4. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 498	6.1	6
10	P2X: The ionotropic receptor for extracellular ATP. <i>Drug Development Research</i> , <b>1998</b> , 45, 125-129	5.1	5
9	Blocking E1 Subunit Reduces Bladder Hypersensitivity and Inflammation in a Cystitis Mouse Model by Decreasing NF-kB Pathway Activation. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 133	5.6	4
8	Intracellular messengers associated with excitatory amino acid (EAA) receptors. <i>Advances in Experimental Medicine and Biology</i> , <b>1990</b> , 268, 79-91	3.6	2
7	P2X-GCaMPs as Versatile Tools for Imaging Extracellular ATP Signaling. <i>ENeuro</i> , <b>2021</b> , 8,	3.9	1
6	Analysis of CX3CR1 haplodeficiency in male and female APP/PSEN1 mice along Alzheimer disease progression. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 91, 404-417	16.6	1
5	Glial Mechanisms of Inflammation During Seizures. <i>Agents and Actions Supplements</i> , <b>2021</b> , 45-70	0.2	1
4	Microglie et r�ecepteurs purinergiques P2X dans la douleur neuropathique : un duo excitateur inattendu. <i>Douleur Et Analgesie</i> , <b>2008</b> , 21, 221-226	0.2	

- 3 Multimeric Purinoceptor Detection by Bioluminescence Resonance Energy Transfer. *Methods in Molecular Biology*, **2020**, 2041, 155-162 1.4
- 2 Multimeric Ionotropic Purinoceptor Detection by Protein Cross-Linking. *Methods in Molecular Biology*, **2020**, 2041, 147-153 1.4
- 1 P2X Receptors and Pain **2014**, 615-633