

Ben J Gu

List of Publications by Year in descending order

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52
papers

3,488
citations

185998
28
h-index

174990
52
g-index

56
all docs

56
docs citations

56
times ranked

3902
citing authors

#	ARTICLE	IF	CITATIONS
1	A systemic view of Alzheimer disease " insights from amyloid- β^2 metabolism beyond the brain. <i>Nature Reviews Neurology</i> , 2017, 13, 612-623.	4.9	581
2	A Glu-496 to Ala Polymorphism Leads to Loss of Function of the Human P2X7 Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 11135-11142.	1.6	276
3	The human P2X7 receptor and its role in innate immunity. <i>Tissue Antigens</i> , 2011, 78, 321-332.	1.0	172
4	Two haplotypes of the P2X ₇ receptor containing the Ala \rightarrow Thr polymorphism exhibit a gain-of-function effect and enhanced interleukin- β^2 secretion. <i>FASEB Journal</i> , 2010, 24, 2916-2927.	0.2	155
5	An Ile-568 to Asn Polymorphism Prevents Normal Trafficking and Function of the Human P2X7 Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 17108-17113.	1.6	154
6	P2X7 Receptor Cell Surface Expression and Cytolytic Pore Formation Are Regulated by a Distal C-terminal Region. <i>Journal of Biological Chemistry</i> , 2003, 278, 8853-8860.	1.6	153
7	A Thr357 to Ser Polymorphism in Homozygous and Compound Heterozygous Subjects Causes Absent or Reduced P2X7 Function and Impairs ATP-induced Mycobacterial Killing by Macrophages. <i>Journal of Biological Chemistry</i> , 2006, 281, 2079-2086.	1.6	152
8	Rapid ATP-induced release of matrix metalloproteinase 9 is mediated by the P2X7 receptor. <i>Blood</i> , 2006, 107, 4946-4953.	0.6	149
9	A loss-of-function polymorphic mutation in the cytolytic P2X7 receptor gene and chronic lymphocytic leukaemia: a molecular study. <i>Lancet, The</i> , 2002, 359, 1114-1119.	6.3	145
10	An Arg307 to Gln Polymorphism within the ATP-binding Site Causes Loss of Function of the Human P2X7 Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 31287-31295.	1.6	125
11	Genetics of the P2X7 receptor and human disease. <i>Purinergic Signalling</i> , 2009, 5, 257-262.	1.1	114
12	The P2X7-nonmuscle myosin membrane complex regulates phagocytosis of nonopsonized particles and bacteria by a pathway attenuated by extracellular ATP. <i>Blood</i> , 2010, 115, 1621-1631.	0.6	90
13	P2X7 Is a Scavenger Receptor for Apoptotic Cells in the Absence of Its Ligand, Extracellular ATP. <i>Journal of Immunology</i> , 2011, 187, 2365-2375.	0.4	81
14	Extracellular ATP dissociates nonmuscle myosin from P2X ₇ complex: this dissociation regulates P2X ₇ pore formation. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C430-C439.	2.1	79
15	A rare functional haplotype of the <i>P2RX4</i> and <i>P2RX7</i> genes leads to loss of innate phagocytosis and confers increased risk of age-related macular degeneration. <i>FASEB Journal</i> , 2013, 27, 1479-1487.	0.2	61
16	A Δ^2 intronic splice site polymorphism leads to a null allele of the P2X7 gene in 1-2% of the Caucasian population. <i>FEBS Letters</i> , 2005, 579, 2675-2678.	1.3	55
17	A rare P2X7 variant Arg307Gln with absent pore formation function protects against neuroinflammation in multiple sclerosis. <i>Human Molecular Genetics</i> , 2015, 24, 5644-5654.	1.4	53
18	A Loss-of-Function Polymorphism in the Human P2X4 Receptor Is Associated With Increased Pulse Pressure. <i>Hypertension</i> , 2011, 58, 1086-1092.	1.3	52

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19	P2X7 as a scavenger receptor for innate phagocytosis in the brain. <i>British Journal of Pharmacology</i> , 2018, 175, 4195-4208.	2.7	50
20	Point mutations confer loss of ATP-induced human P2X7receptor function. <i>FEBS Letters</i> , 2002, 512, 43-46.	1.3	46
21	Purinergic receptors <i>P2RX4</i> and <i>P2RX7</i> in familial multiple sclerosis. <i>Human Mutation</i> , 2017, 38, 736-744.	1.1	46
22	Shear stress modulates endothelial KLF2 through activation of P2X4. <i>Purinergic Signalling</i> , 2015, 11, 139-153.	1.1	41
23	P2X7 Receptors Mediate Innate Phagocytosis by Human Neural Precursor Cells and Neuroblasts. <i>Stem Cells</i> , 2015, 33, 526-541.	1.4	40
24	Innate phagocytosis by peripheral blood monocytes is altered in Alzheimerâ€™s disease. <i>Acta Neuropathologica</i> , 2016, 132, 377-389.	3.9	40
25	A new role for the P2X7 receptor: a scavenger receptor for bacteria and apoptotic cells in the absence of serum and extracellular ATP. <i>Purinergic Signalling</i> , 2012, 8, 579-586.	1.1	39
26	Loss of Function of P2X7 Receptor Scavenger Activity in Aging Mice. <i>American Journal of Pathology</i> , 2017, 187, 1670-1685.	1.9	34
27	Transendothelial migration of lymphocytes in chronic lymphocytic leukaemia is impaired and involved down-regulation of both L-selectin and CD23. <i>British Journal of Haematology</i> , 1999, 105, 181-189.	1.2	33
28	Genomics of Alzheimerâ€™s disease implicates the innate and adaptive immune systems. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7397-7426.	2.4	32
29	P2Y11 receptor expression by human lymphocytes: evidence for two cAMP-linked purinoceptors. <i>European Journal of Pharmacology</i> , 2001, 426, 157-163.	1.7	31
30	P2X7 Receptors Regulate Phagocytosis and Proliferation in Adult Hippocampal and SVZ Neural Progenitor Cells: Implications for Inflammation in Neurogenesis. <i>Stem Cells</i> , 2018, 36, 1764-1777.	1.4	30
31	A quantitative method for routine measurement of cell surface P2X7 receptor function in leucocyte subsets by two-colour time-resolved flow cytometry. <i>Journal of Immunological Methods</i> , 2007, 325, 67-77.	0.6	27
32	Specific detection of non-functional human P2X7 receptors in HEK293 cells and B-lymphocytes. <i>FEBS Letters</i> , 2003, 538, 159-162.	1.3	26
33	A quantitative method for measuring innate phagocytosis by human monocytes using real-time flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 313-321.	1.1	24
34	P2X7 Receptor-mediated Scavenger Activity of Mononuclear Phagocytes toward Non-opsonized Particles and Apoptotic Cells Is Inhibited by Serum Glycoproteins but Remains Active in Cerebrospinal Fluid. <i>Journal of Biological Chemistry</i> , 2012, 287, 17318-17330.	1.6	23
35	Targeting P2X7 receptors as a means for treating retinal disease. <i>Drug Discovery Today</i> , 2019, 24, 1598-1605.	3.2	21
36	Impaired Transendothelial Migration of B-CLL Lymphocytes: a Defect Linked to Low L-Selectin Expression. <i>Leukemia and Lymphoma</i> , 2001, 42, 5-12.	0.6	20

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37	The scavenger activity of the human P2X7 receptor differs from P2X7 pore function by insensitivity to antagonists, genetic variation and sodium concentration: Relevance to inflammatory brain diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1051-1059.	1.8	20
38	P2X7 receptor signaling during adult hippocampal neurogenesis. <i>Neural Regeneration Research</i> , 2019, 14, 1684.	1.6	19
39	Epistasis with HLA DR3 implicates the P2X7 receptor in the pathogenesis of primary Sjögren's syndrome. <i>Arthritis Research and Therapy</i> , 2013, 15, R71.	1.6	17
40	Non-synonymous polymorphisms in the P2RX 4 are related to bone mineral density and osteoporosis risk in a cohort of Dutch fracture patients. <i>Purinergic Signalling</i> , 2013, 9, 123-130.	1.1	15
41	Functional significance of P2RX7 polymorphisms associated with affective mood disorders. <i>Journal of Psychiatric Research</i> , 2010, 44, 1116-1117.	1.5	14
42	A single nucleotide polymorphism haplotype promotes exon 7 and 8 skipping and disrupts receptor function. <i>FASEB Journal</i> , 2020, 34, 3884-3901.	0.2	10
43	Deficits in Monocyte Function in Age Related Macular Degeneration: A Novel Systemic Change Associated With the Disease. <i>Frontiers in Medicine</i> , 2021, 8, 634177.	1.2	10
44	Genetic polymorphisms of the human P2X7 receptor and relationship to function. <i>Drug Development Research</i> , 2001, 53, 72-76.	1.4	7
45	Associations of plasma soluble CD22 levels with brain amyloid burden and cognitive decline in Alzheimer's disease. <i>Science Advances</i> , 2022, 8, eabm5667.	4.7	6
46	Flow cytometry identifies an early stage of platelet apoptosis produced by agonists of the P2X1 and P2X7 receptors. <i>Platelets</i> , 2022, 33, 621-631.	1.1	5
47	Identification of Leukocyte Surface P2X7 as a Biomarker Associated with Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7867.	1.8	5
48	Identification of the promoter region of the P2RX4 gene. <i>Molecular Biology Reports</i> , 2010, 37, 3369-3376.	1.0	4
49	Regulation of the Acute Sickness Response by the P2RX7 Receptor. <i>Journal of Infectious Diseases</i> , 2021, 224, 914-920.	1.9	4
50	Real-time Live-cell Flow Cytometry to Investigate Calcium Influx, Pore Formation, and Phagocytosis by P2X7 Receptors in Adult Neural Progenitor Cells. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
51	Assays to Measure Purinoceptor Pore Dilatation. <i>Methods in Molecular Biology</i> , 2020, 2041, 323-334.	0.4	1
52	P3123: Altered Peripheral Monocyte Innate Phagocytosis in Alzheimer's Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P866.	0.4	0