Roberto Bruzzone

List of Publications by Year
in descending order

103 papers	10,393 citations	41344 49 h-index	32842 100 g-index
110 all docs	110 docs citations	110 times ranked	10789 citing authors

#	Article	IF	Citations
1	Connections with Connexins: the Molecular Basis of Direct Intercellular Signaling. FEBS Journal, 1996, 238, 1-27.	0.2	1,190
2	First genetic evidence of GABAA receptor dysfunction in epilepsy: a mutation in the Î³2-subunit gene. Nature Genetics, 2001, 28, 46-48.	21.4	701
3	Pannexins, a family of gap junction proteins expressed in brain. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13644-13649.	7.1	699
4	The M, E, and N Structural Proteins of the Severe Acute Respiratory Syndrome Coronavirus Are Required for Efficient Assembly, Trafficking, and Release of Virus-Like Particles. Journal of Virology, 2008, 82, 11318-11330.	3.4	436
5	Pharmacological properties of homomeric and heteromeric pannexin hemichannels expressed in Xenopus oocytes. Journal of Neurochemistry, 2005, 92, 1033-1043.	3.9	433
6	Anti-Severe Acute Respiratory Syndrome Coronavirus Spike Antibodies Trigger Infection of Human Immune Cells via a pH- and Cysteine Protease-Independent FcÎ³R Pathway. Journal of Virology, 2011, 85, 10582-10597.	3.4	294
7	Connexin 26 gene linked to a dominant deafness. Nature, 1998, 393, 319-320.	27.8	291
8	Selective interactions among the multiple connexin proteins expressed in the vertebrate lens: the second extracellular domain is a determinant of compatibility between connexins.. Journal of Cell Biology, 1994, 125, 879-892.	5.2	261
9	Electrical synapses: a dynamic signaling system that shapes the activity of neuronal networks. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1662, 113-137.	2.6	253
10	Title is missing!. Nature Genetics, 2001, 28, 46-48.	21.4	241
11	Cell-Cell Communication Beyond Connexins: The Pannexin Channels. Physiology, 2006, 21, 103-114.	3.1	226
12	Antibody-dependent infection of human macrophages by severe acute respiratory syndrome coronavirus. Virology Journal, 2014, 11, 82.	3.4	218
13	Fc receptors in antibodyâ€dependent enhancement of viral infections. Immunological Reviews, 2015, 268, 340-364.	6.0	202
14	Null mutations of connexin32 in patients with X-linked Charcot-Marie-Tooth disease. Neuron, 1994, 13, 1253-1260.	8.1	196
15	The SARS Coronavirus E Protein Interacts with PALS1 and Alters Tight Junction Formation and Epithelial Morphogenesis. Molecular Biology of the Cell, 2010, 21, 3838-3852.	2.1	191
16	Multiple connexin proteins in single intercellular channels: Connexin compatibility and functional consequences. Journal of Bioenergetics and Biomembranes, 1996, 28, 339-350.	2.3	187
17	The cellular internet: On-line with connexins. BioEssays, 1996, 18, 709-718.	2.5	178
18	Tumor-Suppressive Effects of Pannexin 1 in C6 Glioma Cells. Cancer Research, 2007, 67, 1545-1554.	0.9	172

#	Article	IF	Citations
19	Connexin-dependent inter-cellular communication increases invasion and dissemination of Shigella in epithelial cells. Nature Cell Biology, 2003, 5, 720-726.	10.3	159
20	Randomised controlled trials for Ebola: practical and ethical issues. Lancet, The, 2014, 384, 1423-1424.	13.7	144
21	Lossâ€ofâ€function and residual channel activity of connexin26 mutations associated with nonâ€syndromic deafness. FEBS Letters, 2003, 533, 79-88.	2.8	142
22	Cleavage of the SARS Coronavirus Spike Glycoprotein by Airway Proteases Enhances Virus Entry into Human Bronchial Epithelial Cells In Vitro. PLoS ONE, 2009, 4, e7870.	2.5	142
23	Cloning and Expression of Two Related Connexins from the Perch Retina Define a Distinct Subgroup of the Connexin Family. Journal of Neuroscience, 1998, 18, 7625-7637.	3.6	140
24	Connexin30 mutations responsible for hidrotic ectodermal dysplasia cause abnormal hemichannel activity. Human Molecular Genetics, 2004, 13, 1703-1714.	2.9	137
25	Breaking Bad: How Viruses Subvert the Cell Cycle. Frontiers in Cellular and Infection Microbiology, 2018, 8, 396.	3.9	110
26	The connexin family of intercellular channel forming proteins. Kidney International, 1995, 48, 1148-1157.	5.2	106
27	Functional properties, developmental regulation, and chromosomal localization of murine connexin36, a gap-junctional protein expressed preferentially in retina and brain. Journal of Neuroscience Research, 2000, 59, 813-826.	2.9	101
28	Connexin32 Mutations Associated with X-Linked Charcotâ€“Marieâ€“Tooth Disease Show Two Distinct Behaviors: Loss of Function and Altered Gating Properties. Journal of Neuroscience, 1998, 18, 4063-4075.	3.6	99
29	Structure and function of gap junctions in the developing brain. Cell and Tissue Research, 2006, 326, 239-248.	2.9	99
30	Cell coupling and Cx43 expression in embryonic mouse neural progenitor cells. Journal of Cell Science, 2002, 115, 3241-3251.	2.0	95
31	Hearing loss: frequency and functional studies of the most common connexin26 alleles. Biochemical and Biophysical Research Communications, 2002, 296, 685-691.	2.1	89
32	Connexins, Gap Junctions and Cell-Cell Signalling in the Nervous System. European Journal of Neuroscience, 1997, 9, 1-6.	2.6	86
33	Molecular and Functional Diversity of Neural Connexins in the Retina. Journal of Neuroscience, 2000, 20, 8331-8343.	3.6	84
34	Cell coupling and Cx43 expression in embryonic mouse neural progenitor cells. Journal of Cell Science, 2002, 115, 3241-51.	2.0	84
35	Blockage of cell-to-cell communication within pancreatic acini is associated with increased basal release of amylase.. Journal of Cell Biology, 1986, 103, 475-483.	5.2	82
36	Open source clinical science for emerging infections. Lancet Infectious Diseases, The, 2014, 14, 8-9.	9.1	82

#	Article	IF	Citations
37	Virtual cloning, functional expression, and gating analysis of human connexin31.9. American Journal of Physiology - Cell Physiology, 2002, 283, C960-C970.	4.6	79
38	Secretin stimulates cyclic AMP and inositol trisphosphate production in rat pancreatic acinar tissue by two fully independent mechanisms.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 3146-3150.	7.1	78
39	Functional characteristics of skate connexin35, a member of the Î³ subfamily of connexins expressed in the vertebrate retina. European Journal of Neuroscience, 1999, 11, 1883-1890.	2.6	78
40	Gap junctions: Getting the message through. Current Biology, 1997, 7, R340-R344.	3.9	71
41	Pathogenetic role of the deafness-related M34T mutation of Cx26. Human Molecular Genetics, 2006, 15, 2569-2587.	2.9	71
42	H5-Type Influenza Virus Hemagglutinin Is Functionally Recognized by the Natural Killer-Activating Receptor NKp44. Journal of Virology, 2008, 82, 2028-2032.	3.4	71
43	Gap junctional coupling modulates secretion of exocrine pancreas.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 4901-4904.	7.1	67
44	Efficient Assembly and Secretion of Recombinant Subviral Particles of the Four Dengue Serotypes Using Native prM and E Proteins. PLoS ONE, 2009, 4, e8325.	2.5	64
45	Connexin channels in Schwann cells and the development of the X-linked form of Charcot-Marie-Tooth disease. Brain Research Reviews, 2000, 32, 192-202.	9.0	61
46	Effect of Bombesin on Plasma Insulin, Pancreatic Glucagon, and Gut Glucagon in Man*. Journal of Clinical Endocrinology and Metabolism, 1983, 56, 643-647.	3.6	56
47	Voltage gating of connexins. Nature, 1994, 371, 208-209.	27.8	56
48	Effects of n-alcohols on junctional coupling and amylase secretion of pancreatic acinar cells. Journal of Cellular Physiology, 1989, 139, 147-156.	4.1	54
49	Class II ADP-ribosylation Factors Are Required for Efficient Secretion of Dengue Viruses. Journal of Biological Chemistry, 2012, 287, 767-777.	3.4	52
50	Modulation of perch connexin35 hemi-channels by cyclic AMP requires a protein kinase A phosphorylation site. Journal of Neuroscience Research, 2003, 72, 147-157.	2.9	51
51	Measurement of cytosolic free Ca2+in individual pancreatic acini. FEBS Letters, 1988, 242, 79-84.	2.8	48
52	Molecular Cloning and Functional Expression of zfCx52.6. Journal of Biological Chemistry, 2004, 279, 2913-2921.	3.4	48
53	Ezrin Interacts with the SARS Coronavirus Spike Protein and Restrains Infection at the Entry Stage. PLoS ONE, 2012, 7, e49566.	2.5	46
54	The molecular basis of enzyme secretion. Gastroenterology, 1990, 99, 1157-1176.	1.3	43

#	Article	IF	Citations
55	The gap junction: a channel for multiple functions?. European Journal of Clinical Investigation, 1988, 18, 444-453.	3.4	42
56	Usp12 stabilizes the T-cell receptor complex at the cell surface during signaling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E705-14.	7.1	41
57	CLEC5A-Mediated Enhancement of the Inflammatory Response in Myeloid Cells Contributes to Influenza Virus Pathogenicity In Vivo. Journal of Virology, 2017, 91, .	3.4	41
58	Global outbreak research: harmony not hegemony. Lancet Infectious Diseases, The, 2020, 20, 770-772.	9.1	40
59	Bombesin effects on human GI functions. Peptides, 1985, 6, 113-116.	2.4	39
60	Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins. Viruses, 2017, 9, 271.	3.3	39
61	Effects of bombesin on gastrin and gastric acid secretion in patients with duodenal ulcer. Gut, 1983, 24, 231-235.	12.1	38
62	Intercellular communication in the eye: clarifying the need for connexin diversity. Brain Research Reviews, 2000, 32, 130-137.	9.0	38
63	Cell Cycle-independent Role of Cyclin D3 in Host Restriction of Influenza Virus Infection. Journal of Biological Chemistry, 2017, 292, 5070-5088.	3.4	37
64	Connexins, innexins and pannexins: Bridging the communication gap. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1719, 3-5.	2.6	34
65	KDEL Receptors Assist Dengue Virus Exit from the Endoplasmic Reticulum. Cell Reports, 2015, 10, 1496-1507.	6.4	34
66	Activity of the Insulo-Acinar Axis in the Isolated Perfused Rat Pancreas*. Endocrinology, 1985, 117, 1246-1252.	2.8	33
67	High-throughput screening using pseudotyped lentiviral particles: A strategy for the identification of HIV-1 inhibitors in a cell-based assay. Antiviral Research, 2009, 81, 239-247.	4.1	30
68	In vivo evidence for the involvement of the carboxy terminal domain in assembling connexin 36 at the electrical synapse. Molecular and Cellular Neurosciences, 2010, 45, 47-58.	2.2	29
69	Connexins and Information Transfer Through Glia. Advances in Experimental Medicine and Biology, 1999, 468, 321-337.	1.6	29
70	Selective defects in channel permeability associated with Cx32 mutations causing X-linked Charcotâ€“Marieâ€“Tooth disease. Neurobiology of Disease, 2006, 21, 607-617.	4.4	27
71	Functional Analysis of a Dominant Mutation of Human Connexin26 Associated with Nonsyndromic Deafness. Cell Communication and Adhesion, 2001, 8, 425-431.	1.0	24
72	Lyn kinase regulates egress of flaviviruses in autophagosome-derived organelles. Nature Communications, 2020, 11, 5189.	12.8	24

#	Article	IF	Citations
73	Investigation of Antibody-Dependent Enhancement (ADE) of SARS coronavirus infection and its role in pathogenesis of SARS. BMC Proceedings, 2011, 5, P80.	1.6	23
74	Regulation of Pancreatic Exocrine Function. Pancreas, 1987, 2, 262-271.	1.1	22
75	Altered gene expression in Schwann cells of connexin32 knockout animals. Journal of Neuroscience Research, 2001, 66, 23-36.	2.9	22
76	High neutralizing potency of swine glycoâ€humanized polyclonal antibodies against SARSâ€CoVâ€2. European Journal of Immunology, 2021, 51, 1412-1422.	2.9	21
77	Infectious Diseases of the Nervous System and Their Impact in Developing Countries. PLoS Pathogens, 2009, 5, e1000199.	4.7	19
78	Intercellular channels in teleosts: functional characterization of two connexins from Atlantic croaker. FEBS Letters, 1995, 358, 301-304.	2.8	18
79	Connections with connexins: the molecular basis of direct intercellular signaling. , 1996, , 135-161.		18
80	Glucose-insulin interactions on exocrine secretion from the perfused rat pancreas. Gastroenterology, 1984, 87, 1305-1312.	1.3	17
81	Identification and Functional Expression of HCx31.9, a Novel Gap Junction Gene. Cell Communication and Adhesion, 2001, 8, 173-178.	1.0	16
82	Gap junctions: Fates worse than death?. Current Biology, 2000, 10, R685-R688.	3.9	15
83	Hearing the messenger: Ins(1,4,5)P3 and deafness. Nature Cell Biology, 2005, 7, 14-16.	10.3	15
84	A Single Residue Substitution in the Receptor-Binding Domain of H5N1 Hemagglutinin Is Critical for Packaging into Pseudotyped Lentiviral Particles. PLoS ONE, 2012, 7, e43596.	2.5	14
85	Mechanism of action of bombesin on amylase secretion. Evidence for a Ca2+-independent pathway. FEBS Journal, 1989, 179, 323-331.	0.2	12
86	Gap junctions: Ductin or connexins - which component is the critical one?. BioEssays, 1995, 17, 744-744.	2.5	10
87	Increase in pancreatic exocrine secretion during uncoupling: Evidence for a protein kinase C-independent effect. Experimental Cell Research, 1989, 182, 349-357.	2.6	9
88	Connexin32 in the Peripheral Nervous System: Functional Analysis of Mutations Associated with X-linked Charcot-Marie-Tooth Syndrome and Implications for the Pathophysiology of the Disease. Annals of the New York Academy of Sciences, 1999, 883, 168-185.	3.8	9
89	Abnormalities of pancreatic exocrine function in obesity: Studies in the obese mouse. Comparative Biochemistry and Physiology A, Comparative Physiology, 1986, 83, 387-390.	0.6	8
90	XAV-19, a Swine Glyco-Humanized Polyclonal Antibody Against SARS-CoV-2 Spike Receptor-Binding Domain, Targets Multiple Epitopes and Broadly Neutralizes Variants. Frontiers in Immunology, 2021, 12, 761250.	4.8	7

#	Article	IF	Citations
91	DOMINANT INHIBITION OF INTERCELLULAR COMMUNICATION BY TWO CHIMERIC CONNEXINS. Clinical and Experimental Pharmacology and Physiology, 1996, 23, 1062-1067.	1.9	6
92	Abnormalities of caerulein- and carbamylcholine-stimulated pancreatic enzyme secretion in the obese Zucker rat. Regulatory Peptides, 1985, 11, 227-235.	1.9	5
93	Voltage gating properties of channels formed by a skate retinal connexin. Biological Bulletin, 2000, 199, 165-168.	1.8	5
94	New tricks for KDEL receptors. Oncotarget, 2015, 6, 30425-30426.	1.8	4
95	Neurobiology of infectious diseases: Bringing them out of neglect. Progress in Neurobiology, 2010, 91, 91-94.	5.7	3
96	NEUROTENSIN AND THE DUMPING SYNDROME. Lancet, The, 1981, 317, 1209.	13.7	2
97	The Double Life of Connexin Channels: Single Is a Treat. Journal of Investigative Dermatology, 2015, 135, 940-943.	0.7	2
98	Induction of Myelin Gene Expression in Murine Schwann Cells in Primary Culture and in a Schwann Cell Line. Annals of the New York Academy of Sciences, 1999, 883, 513-517.	3.8	1
99	Connexin hemichannel inhibition improves skin pathology in Clouston syndrome mice. EBioMedicine, 2020, 57, 102856.	6.1	1
100	Chimeric connexins reveal the molecular basis for novel properties of lens intercellular channels reconstituted in paired Xenopus oocytes. Progress in Cell Research, 1995, , 387-390.	0.3	1
101	Infectious diseases of the nervous system: pathogenesis and worldwide impact. BMC Proceedings, 2008, 2, .	1.6	0
102	Identification of cellular enhancing and restricting factors of dengue virus egress. BMC Proceedings, 2011, 5, .	1.6	0
103	The SARS coronavirus E protein interacts with the PALS1 and alters tight junction formation and epithelial morphogenesis. BMC Proceedings, 2011, 5, P79.	1.6	0