

Cesare Usai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1851358/publications.pdf>

Version: 2024-02-01

104
papers

4,433
citations

87888

38
h-index

118850

62
g-index

106
all docs

106
docs citations

106
times ranked

5536
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of miRNAs shuttled by mesenchymal stem cell-derived small extracellular vesicles in modulating neuroinflammation. <i>Scientific Reports</i> , 2021, 11, 1740.	3.3	69
2	Antibodies Against the NH ₂ -Terminus of the GluA Subunits Affect the AMPA-Evoked Releasing Activity: The Role of Complement. <i>Frontiers in Immunology</i> , 2021, 12, 586521.	4.8	7
3	Altered glucose catabolism in the presynaptic and perisynaptic compartments of SOD1 ^{G93A} mouse spinal cord and motor cortex indicates that mitochondria are the site of bioenergetic imbalance in ALS. <i>Journal of Neurochemistry</i> , 2019, 151, 336-350.	3.9	24
4	Enhanced Function and Overexpression of Metabotropic Glutamate Receptors 1 and 5 in the Spinal Cord of the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis during Disease Progression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4552.	4.1	13
5	Immuno-Pharmacological Characterization of Presynaptic GluN3A-Containing NMDA Autoreceptors: Relevance to Anti-NMDA Receptor Autoimmune Diseases. <i>Molecular Neurobiology</i> , 2019, 56, 6142-6155.	4.0	12
6	5-HT _{2A} -mGlu _{2/3} receptor complex in rat spinal cord glutamatergic nerve endings: A 5-HT _{2A} to mGlu _{2/3} signalling to amplify presynaptic mechanism of auto-control of glutamate exocytosis. <i>Neuropharmacology</i> , 2018, 133, 429-439.	4.1	22
7	Presynaptic mGlu1 Receptors Control GABAB Receptors in an Antagonist-Like Manner in Mouse Cortical GABAergic and Glutamatergic Nerve Endings. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 324.	2.9	13
8	The effect of pulsed electromagnetic field exposure on osteoinduction of human mesenchymal stem cells cultured on nano-TiO ₂ surfaces. <i>PLoS ONE</i> , 2018, 13, e0199046.	2.5	32
9	Immuno-pharmacological characterization of group II metabotropic glutamate receptors controlling glutamate exocytosis in mouse cortex and spinal cord. <i>British Journal of Pharmacology</i> , 2017, 174, 4785-4796.	5.4	17
10	In-vivo effects of knocking-down metabotropic glutamate receptor 5 in the SOD1 mouse model of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2017, 123, 433-445.	4.1	30
11	Presynaptic, release-regulating mGlu ₂ -preferring and mGlu ₃ -preferring autoreceptors in CNS: pharmacological profiles and functional roles in demyelinating disease. <i>British Journal of Pharmacology</i> , 2016, 173, 1465-1477.	5.4	21
12	Colocalization of neurotransmitter transporters on the plasma membrane of the same nerve terminal may reflect cotransmission. <i>Brain Research Bulletin</i> , 2016, 127, 100-110.	3.0	5
13	G-protein coupling and nuclear translocation of the human abscisic acid receptor LANCL2. <i>Scientific Reports</i> , 2016, 6, 26658.	3.3	38
14	Evaluation of energy metabolism and calcium homeostasis in cells affected by Shwachman-Diamond syndrome. <i>Scientific Reports</i> , 2016, 6, 25441.	3.3	39
15	Bradykinin B ₂ receptor expression in the bronchial mucosa of allergic asthmatics: the role of NF- κ B. <i>Clinical and Experimental Allergy</i> , 2016, 46, 428-438.	2.9	13
16	Electro-magnetic field promotes osteogenic differentiation of BM-hMSCs through a selective action on Ca ²⁺ -related mechanisms. <i>Scientific Reports</i> , 2015, 5, 13856.	3.3	98
17	Dysregulated Ca ²⁺ Homeostasis in Fanconi anemia cells. <i>Scientific Reports</i> , 2015, 5, 8088.	3.3	15
18	Fumarates modulate microglia activation through a novel HCAR2 signaling pathway and rescue synaptic dysregulation in inflamed CNS. <i>Acta Neuropathologica</i> , 2015, 130, 279-295.	7.7	160

#	ARTICLE	IF	CITATIONS
19	The enzymatic activities of CD38 enhance CLL growth and trafficking: implications for therapeutic targeting. <i>Leukemia</i> , 2015, 29, 356-368.	7.2	33
20	Exocytosis regulates trafficking of GABA and glycine heterotransporters in spinal cord glutamatergic synapses: a mechanism for the excessive heterotransporter-induced release of glutamate in experimental amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2015, 74, 314-324.	4.4	22
21	Shwachman-Diamond Syndrome: Energetic Stress, Calcium Homeostasis and mTOR Pathway. <i>Blood</i> , 2015, 126, 2410-2410.	1.4	0
22	Pharmacological characterization of N-methyl-d-aspartic acid (NMDA)-like receptors in the single-celled organism <i>Paramecium primaurelia</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 463-71.	1.7	10
23	A new function for glycine GlyT2 transporters: Stimulation of GABA release from cerebellar nerve terminals through GAT1 transporter reversal and Ca^{2+} -dependent anion channels. <i>Journal of Neuroscience Research</i> , 2014, 92, 398-408.	2.9	12
24	Expression of vascular remodelling markers in relation to bradykinin receptors in asthma and COPD. <i>Thorax</i> , 2013, 68, 803-811.	5.6	29
25	Group I metabotropic glutamate autoreceptors induce abnormal glutamate exocytosis in a mouse model of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2013, 66, 253-263.	4.1	39
26	Presynaptic mGlu7 receptors control GABA release in mouse hippocampus. <i>Neuropharmacology</i> , 2013, 66, 215-224.	4.1	51
27	Pharmacological Modulation of the Bradykinin-Induced Differentiation of Human Lung Fibroblasts: Effects of Budesonide and Formoterol. <i>Journal of Asthma</i> , 2012, 49, 1004-1011.	1.7	7
28	Autocrine abscisic acid plays a key role in quartz-induced macrophage activation. <i>FASEB Journal</i> , 2012, 26, 1261-1271.	0.5	37
29	Cytokines induce tight junction disassembly in airway cells via an EGFR-dependent MAPK/ERK1/2-pathway. <i>Laboratory Investigation</i> , 2012, 92, 1140-1148.	3.7	123
30	Subcellular and Intercellular Traffic of NAD ⁺ , NAD ⁺ Precursors and NAD ⁺ -Derived Signal Metabolites and Second Messengers: Old and New Topological Paradoxes. <i>Messenger</i> (Los Angeles, Calif: Print), 2012, 1, 34-52.	0.3	6
31	Mesenchymal Stem Cells Shape Microglia Effector Functions Through the Release of CX3CL1. <i>Stem Cells</i> , 2012, 30, 2044-2053.	3.2	127
32	In vitro exposure to nicotine induces endocytosis of presynaptic AMPA receptors modulating dopamine release in rat nucleus accumbens nerve terminals. <i>Neuropharmacology</i> , 2012, 63, 916-926.	4.1	37
33	Visualizing GABAB Receptor Internalization and Intracellular Trafficking. <i>Neuromethods</i> , 2012, , 71-95.	0.3	0
34	Regulation of Human Mesenchymal Stem Cell Functions by an Autocrine Loop Involving NAD ⁺ Release and P2Y11-Mediated Signaling. <i>Stem Cells and Development</i> , 2011, 20, 1183-1198.	2.1	50
35	Abnormal exocytotic release of glutamate in a mouse model of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2011, 116, 1028-1042.	3.9	63
36	The endocannabinoid system in rat gliosomes and its role in the modulation of glutamate release. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 833-845.	5.4	17

#	ARTICLE	IF	CITATIONS
37	<i>In vitro</i> activation of GAT1 transporters expressed in spinal cord gliosomes stimulates glutamate release that is abnormally elevated in the SOD1/G93A(+) mouse model of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2010, 113, 489-501.	3.9	42
38	Mechanisms of bradykinin-induced contraction in human fetal lung fibroblasts. <i>European Respiratory Journal</i> , 2010, 36, 655-664.	6.7	15
39	γ -Amino butyric acid (GABA) release in the ciliated protozoan <i>Paramecium</i> occurs by neuronal-like exocytosis. <i>Journal of Experimental Biology</i> , 2010, 213, 1251-1258.	1.7	12
40	Diadenosine Homodinucleotide Products of ADP-ribosyl Cyclases Behave as Modulators of the Purinergic Receptor P2X7. <i>Journal of Biological Chemistry</i> , 2010, 285, 21165-21174.	3.4	10
41	LANCL2 Is Necessary for Abscisic Acid Binding and Signaling in Human Granulocytes and in Rat Insulinoma Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 28045-28057.	3.4	107
42	Abscisic Acid Released by Human Monocytes Activates Monocytes and Vascular Smooth Muscle Cell Responses Involved in Atherogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 17808-17818.	3.4	74
43	Association of increased CCL5 and CXCL7 chemokine expression with neutrophil activation in severe stable COPD. <i>Thorax</i> , 2009, 64, 968-975.	5.6	79
44	Abscisic Acid Activates the Murine Microglial Cell Line N9 through the Second Messenger Cyclic ADP-ribose. <i>Journal of Biological Chemistry</i> , 2009, 284, 14777-14787.	3.4	64
45	P2X7-mediated Increased Intracellular Calcium Causes Functional Derangement in Schwann Cells from Rats with CMT1A Neuropathy. <i>Journal of Biological Chemistry</i> , 2009, 284, 23146-23158.	3.4	60
46	Chapter 21 Glutamate Release from Astrocytic Gliosomes under Physiological and Pathological Conditions. <i>International Review of Neurobiology</i> , 2009, 85, 295-318.	2.0	20
47	Biophysical effects of the natural product euplotin C on the <i>Paramecium</i> membrane. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009, 195, 1061-1069.	1.6	4
48	The Plant Hormone Abscisic Acid Stimulates the Proliferation of Human Hemopoietic Progenitors through the Second Messenger Cyclic ADP-Ribose. <i>Stem Cells</i> , 2009, 27, 2469-2477.	3.2	38
49	The Role of the C-Terminus for Functional Heteromerization of the Plant Channel KDC1. <i>Biophysical Journal</i> , 2009, 96, 4063-4074.	0.5	20
50	Bronchial Airway Epithelial Cell Damage Following Exposure to Cigarette Smoke Includes Disassembly of Tight Junction Components Mediated by the Extracellular Signal-Regulated Kinase 1/2 Pathway. <i>Chest</i> , 2009, 135, 1502-1512.	0.8	88
51	Pathways of Cadmium Influx in Mammalian Neurons. <i>Journal of Neurochemistry</i> , 2008, 72, 2154-2161.	3.9	57
52	Cyclic ADP-Ribose-Mediated Expansion and Stimulation of Human Mesenchymal Stem Cells by the Plant Hormone Abscisic Acid. <i>Stem Cells</i> , 2008, 26, 2855-2864.	3.2	59
53	NAADP+ is an agonist of the human P2Y11 purinergic receptor. <i>Cell Calcium</i> , 2008, 43, 344-355.	2.4	55
54	Functional expression of release-regulating glycine transporters GLYT1 on GABAergic neurons and GLYT2 on astrocytes in mouse spinal cord. <i>Neurochemistry International</i> , 2008, 52, 103-112.	3.8	51

#	ARTICLE	IF	CITATIONS
55	Presynaptic mGlu1 and mGlu5 autoreceptors facilitate glutamate exocytosis from mouse cortical nerve endings. <i>Neuropharmacology</i> , 2008, 55, 474-482.	4.1	49
56	Abscisic Acid Is an Endogenous Stimulator of Insulin Release from Human Pancreatic Islets with Cyclic ADP Ribose as Second Messenger. <i>Journal of Biological Chemistry</i> , 2008, 283, 32188-32197.	3.4	129
57	Abscisic acid is an endogenous cytokine in human granulocytes with cyclic ADP-ribose as second messenger. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5759-5764.	7.1	183
58	The High-Mobility Group Box 1 Cytokine Induces Transporter-Mediated Release of Glutamate from Glial Subcellular Particles (Gliosomes) Prepared from in Situ-Matured Astrocytes. <i>International Review of Neurobiology</i> , 2007, 82, 73-93.	2.0	16
59	Effect of the bioactive metabolite euplotin C on phagocytosis and fluid-phase endocytosis in the single-celled eukaryote <i>Paramecium</i> . <i>Aquatic Toxicology</i> , 2007, 85, 67-75.	4.0	9
60	Two-Photon Excitation Fluorescence Microscopy. , 2007, , 751-789.		6
61	Evidence for ciliary pigment localization in colored ciliates and implications for their photosensory transduction chain: A confocal microscopy study. <i>Microscopy Research and Technique</i> , 2007, 70, 1028-1033.	2.2	4
62	Photobleaching. , 2006, , 690-702.		57
63	Multi-photon excitation microscopy. <i>BioMedical Engineering OnLine</i> , 2006, 5, 36.	2.7	132
64	Extracellular NAD ⁺ regulates intracellular calcium levels and induces activation of human granulocytes. <i>Biochemical Journal</i> , 2006, 393, 697-704.	3.7	67
65	Glia re-sealed particles freshly prepared from adult rat brain are competent for exocytotic release of glutamate. <i>Journal of Neurochemistry</i> , 2006, 96, 656-668.	3.9	99
66	Cyclic ADP-ribose is a second messenger in the lipopolysaccharide-stimulated activation of murine N9 microglial cell line. <i>Journal of Neurochemistry</i> , 2006, 99, 165-176.	3.9	36
67	Extracellular NAD ⁺ Is an Agonist of the Human P2Y ₁₁ Purinergic Receptor in Human Granulocytes. <i>Journal of Biological Chemistry</i> , 2006, 281, 31419-31429.	3.4	129
68	Co-Existence of GABA and Glu Transporters in the Central Nervous System. <i>Current Topics in Medicinal Chemistry</i> , 2006, 6, 979-988.	2.1	8
69	Endocytosis of GABAB receptors modulates membrane excitability in the single-celled organism <i>Paramecium</i> . <i>Journal of Cell Science</i> , 2006, 119, 2056-2064.	2.0	18
70	Extracellular NAD ⁺ Is an Agonist of the Human P2Y ₁₁ Purinergic Receptor in Human Granulocytes. <i>Journal of Biological Chemistry</i> , 2006, 281, 31419-31429.	3.4	13
71	GABAB receptor intracellular trafficking after internalization in <i>Paramecium</i> . <i>Microscopy Research and Technique</i> , 2005, 68, 290-295.	2.2	12
72	Activation of γ -aminobutyric acid GAT-1 transporters on glutamatergic terminals of mouse spinal cord mediates glutamate release through anion channels and by transporter reversal. <i>Journal of Neuroscience Research</i> , 2005, 80, 424-433.	2.9	13

#	ARTICLE	IF	CITATIONS
73	From The Cover: ADP-ribosyl cyclases generate two unusual adenine homodinucleotides with cytotoxic activity on mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14509-14514.	7.1	35
74	Concentrative Uptake of Cyclic ADP-ribose Generated by BST-1+ Stroma Stimulates Proliferation of Human Hematopoietic Progenitors. <i>Journal of Biological Chemistry</i> , 2005, 280, 5343-5349.	3.4	43
75	A role for GABAA receptors in the modulation of Paramecium swimming behavior. <i>Neuroscience Letters</i> , 2005, 386, 179-183.	2.1	20
76	From Microscopy to Nanoscopy: How to Get and Read Optical Data at Single Molecule Level Using Confocal and Two-Photon Excitation Microscopy. , 2005, , 187-207.		0
77	Concentrative Influx of Functionally Active Cyclic ADP-ribose in Dimethyl Sulfoxide-differentiated HL-60 Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 22066-22075.	3.4	31
78	GABA receptor subunits identified in Paramecium by immunofluorescence confocal microscopy. <i>FEMS Microbiology Letters</i> , 2004, 238, 449-453.	1.8	13
79	Notes on theory and experimental conditions behind two-photon excitation microscopy. <i>Microscopy Research and Technique</i> , 2004, 63, 12-17.	2.2	16
80	Three-dimensional microscopy migrates to the web with ?PowerUp Your Microscope?. <i>Microscopy Research and Technique</i> , 2004, 64, 196-203.	2.2	9
81	GABA receptor subunits identified in by immunofluorescence confocal microscopy. <i>FEMS Microbiology Letters</i> , 2004, 238, 449-453.	1.8	14
82	Swimming behavior regulation by GABAB receptors in Paramecium. <i>Experimental Cell Research</i> , 2003, 291, 398-405.	2.6	28
83	Patch-clamp recordings in isolated sponge cells (<i>Axinella polypoides</i>). <i>Journal of Proteomics</i> , 2003, 55, 179-189.	2.4	9
84	Cyclic ADP-ribose is a second messenger in the lipopolysaccharide-stimulated proliferation of human peripheral blood mononuclear cells. <i>Biochemical Journal</i> , 2003, 375, 395-403.	3.7	56
85	ABA- and cADPR-mediated effects on respiration and filtration downstream of the temperature-signaling cascade in sponges. <i>Journal of Cell Science</i> , 2003, 116, 629-636.	2.0	48
86	Extracellular cyclic ADP-ribose potentiates ACh-induced contraction in bovine tracheal smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L98-L106.	2.9	35
87	A Self-restricted CD38-connexin 43 Cross-talk Affects NAD+ and Cyclic ADP-ribose Metabolism and Regulates Intracellular Calcium in 3T3 Fibroblasts. <i>Journal of Biological Chemistry</i> , 2001, 276, 48300-48308.	3.4	99
88	Stroma-generated cyclic ADP-ribose stimulates the expansion of early human hemopoietic progenitors by a paracrine interaction. <i>FASEB Journal</i> , 2001, 15, 1610-1612.	0.5	37
89	Paracrine Roles of NAD+ and Cyclic ADP-ribose in Increasing Intracellular Calcium and Enhancing Cell Proliferation of 3T3 Fibroblasts. <i>Journal of Biological Chemistry</i> , 2001, 276, 21642-21648.	3.4	103
90	The temperature-signaling cascade in sponges involves a heat-gated cation channel, abscisic acid, and cyclic ADP-ribose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 14859-14864.	7.1	118

#	ARTICLE	IF	CITATIONS
91	Extracellular cyclic ADP-ribose increases intracellular free calcium concentration and stimulates proliferation of human hemopoietic progenitors. <i>FASEB Journal</i> , 2000, 14, 680-690.	0.5	72
92	Ligand-induced internalization of CD38 results in intracellular Ca ²⁺ mobilization: role of NAD ⁺ transport across cell membranes. <i>FASEB Journal</i> , 1999, 13, 273-283.	0.5	100
93	Expression of CD38 Increases Intracellular Calcium Concentration and Reduces Doubling Time in HeLa and 3T3 Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 8017-8024.	3.4	111
94	The transmembrane glycoprotein CD38 is a catalytically active transporter responsible for generation and influx of the second messenger cyclic ADP-ribose across membranes. <i>FASEB Journal</i> , 1998, 12, 1507-1520.	0.5	115
95	High affinity block by nimodipine of the internal calcium elevation in chronically depolarized rat cerebellar granule neurons. <i>Neuroscience Letters</i> , 1996, 207, 77-80.	2.1	18
96	Ectocellular in vitro and in vivo metabolism of cADP-ribose in cerebellum. <i>Biochemical Journal</i> , 1996, 320, 665-671.	3.7	53
97	Extracellular pancuronium affects sodium current in chick embryo sensory neurones. <i>British Journal of Pharmacology</i> , 1994, 111, 283-287.	5.4	3
98	The General Anesthetic Propofol Inhibits Transmembrane Calcium Current in Chick Sensory Neurons. <i>Anesthesia and Analgesia</i> , 1994, 78, 955-960.	2.2	36
99	An interplexiform cell in the goldfish retina: light-evoked response pattern and intracellular staining with horseradish peroxidase. <i>Cell and Tissue Research</i> , 1991, 264, 111-116.	2.9	11
100	Two systems of branching axons in monkey's retina. <i>Journal of Comparative Neurology</i> , 1991, 308, 149-161.	1.6	19
101	Effect of gangliosides on phospholipid bilayers: A study with the lipophilic ions relaxation method. <i>Journal of Membrane Biology</i> , 1984, 82, 15-23.	2.1	16
102	Capacitance-voltage relationship in phospholipid bilayers containing gangliosides. <i>FEBS Letters</i> , 1983, 153, 315-319.	2.8	12
103	Properties of ionic transport through phospholipid-glycolipid artificial bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982, 693, 165-172.	2.6	23
104	Imaging of Endocytosis in Paramecium by Confocal Microscopy. , 0, , .		3