

Claudia Verderio

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

11,092
citations

19657

61
h-index

30922

102
g-index

122
all docs

122
docs citations

122
times ranked

12993
citing authors

#	ARTICLE	IF	CITATIONS
1	Microglial large extracellular vesicles propagate early synaptic dysfunction in Alzheimer's disease. <i>Brain</i> , 2022, 145, 2849-2868.	7.6	32
2	Therapeutic induction of energy metabolism reduces neural tissue damage and increases microglia activation in severe spinal cord injury. <i>Pharmacological Research</i> , 2022, 178, 106149.	7.1	17
3	miR-150-5p and let-7b-5p in Blood Myeloid Extracellular Vesicles Track Cognitive Symptoms in Patients with Multiple Sclerosis. <i>Cells</i> , 2022, 11, 1551.	4.1	8
4	Extracellular transglutaminase-2, nude or associated with astrocytic extracellular vesicles, modulates neuronal calcium homeostasis. <i>Progress in Neurobiology</i> , 2022, 216, 102313.	5.7	7
5	Towards bio-compatible magnetic nanoparticles: Immune-related effects, in-vitro internalization, and in-vivo bio-distribution of zwitterionic ferrite nanoparticles with unexpected renal clearance. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 678-700.	9.4	27
6	Microglial vesicles improve post-stroke recovery by preventing immune cell senescence and favoring oligodendrogenesis. <i>Molecular Therapy</i> , 2021, 29, 1439-1458.	8.2	55
7	Microglia-oligodendrocyte intercellular communication: role of extracellular vesicle lipids in functional signalling. <i>Neural Regeneration Research</i> , 2021, 16, 1194.	3.0	8
8	The immune-inflammatory response of oligodendrocytes in a murine model of preterm white matter injury: the role of TLR3 activation. <i>Cell Death and Disease</i> , 2021, 12, 166.	6.3	26
9	Role of ATP in Extracellular Vesicle Biogenesis and Dynamics. <i>Frontiers in Pharmacology</i> , 2021, 12, 654023.	3.5	23
10	Astrocytes-derived extracellular vesicles in motion at the neuron surface: Involvement of the prion protein. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12114.	12.2	19
11	TNF Production and Release from Microglia via Extracellular Vesicles: Impact on Brain Functions. <i>Cells</i> , 2020, 9, 2145.	4.1	63
12	Immune and central nervous system-related miRNAs expression profiling in monocytes of multiple sclerosis patients. <i>Scientific Reports</i> , 2020, 10, 6125.	3.3	27
13	Detrimental and protective action of microglial extracellular vesicles on myelin lesions: astrocyte involvement in remyelination failure. <i>Acta Neuropathologica</i> , 2019, 138, 987-1012.	7.7	120
14	Proteomic Profiling Reveals the Transglutaminase-2 Externalization Pathway in Kidneys after Unilateral Ureteric Obstruction. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 880-905.	6.1	40
15	Glia-to-neuron transfer of miRNAs via extracellular vesicles: a new mechanism underlying inflammation-induced synaptic alterations. <i>Acta Neuropathologica</i> , 2018, 135, 529-550.	7.7	196
16	How to reprogram microglia toward beneficial functions. <i>Glia</i> , 2018, 66, 2531-2549.	4.9	80
17	Role of sphingolipids in the biogenesis and biological activity of extracellular vesicles. <i>Journal of Lipid Research</i> , 2018, 59, 1325-1340.	4.2	170
18	Cytokines Stimulate the Release of Microvesicles from Myeloid Cells Independently from the P2X7 Receptor/Acid Sphingomyelinase Pathway. <i>Frontiers in Immunology</i> , 2018, 9, 204.	4.8	34

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19	Effect of fingolimod action on the release of monocyte-derived microvesicles in multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2018, 323, 43-48.	2.3	8
20	Fingolimod Limits Acute A β Neurotoxicity and Promotes Synaptic Versus Extrasynaptic NMDA Receptor Functionality in Hippocampal Neurons. <i>Scientific Reports</i> , 2017, 7, 41734.	3.3	27
21	Extracellular proteasome-osteopontin circuit regulates cell migration with implications in multiple sclerosis. <i>Scientific Reports</i> , 2017, 7, 43718.	3.3	35
22	TRPV1 channels are critical brain inflammation detectors and neuropathic pain biomarkers in mice. <i>Nature Communications</i> , 2017, 8, 15292.	12.8	180
23	Synthesis, Structure Characterization, and Evaluation in Microglia Cultures of Neuromelanin Analogues Suitable for Modeling Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2017, 8, 501-512.	3.5	40
24	ATP Modifies the Proteome of Extracellular Vesicles Released by Microglia and Influences Their Action on Astrocytes. <i>Frontiers in Pharmacology</i> , 2017, 8, 910.	3.5	109
25	A new approach to follow a single extracellular vesicle-cell interaction using optical tweezers. <i>BioTechniques</i> , 2016, 60, 35.	1.8	54
26	Myeloid Extracellular Vesicles: Messengers from the Demented Brain. <i>Frontiers in Immunology</i> , 2016, 7, 17.	4.8	23
27	Exosomal cellular prion protein drives fibrillization of amyloid beta and counteracts amyloid beta-mediated neurotoxicity. <i>Journal of Neurochemistry</i> , 2016, 137, 88-100.	3.9	117
28	Sphingosine-1-Phosphate (S1P) Impacts Presynaptic Functions by Regulating Synapsin I Localization in the Presynaptic Compartment. <i>Journal of Neuroscience</i> , 2016, 36, 4624-4634.	3.6	51
29	The Timing of the Excitatory-to-Inhibitory GABA Switch Is Regulated by the Oxytocin Receptor via KCC2. <i>Cell Reports</i> , 2016, 15, 96-103.	6.4	141
30	Ectonucleotidase activity and immunosuppression in astrocyte-CD4 T cell bidirectional signaling. <i>Oncotarget</i> , 2016, 7, 5143-5156.	1.8	15
31	Active endocannabinoids are secreted on the surface of microglial microvesicles. <i>SpringerPlus</i> , 2015, 4, L29.	1.2	11
32	Subventricular zone neural progenitors reverse TNF-alpha effects in cortical neurons. <i>Stem Cell Research and Therapy</i> , 2015, 6, 166.	5.5	5
33	Microvesicles: What is the Role in Multiple Sclerosis?. <i>Frontiers in Neurology</i> , 2015, 6, 111.	2.4	46
34	Effect of extracellular vesicles derived from distinct brain cells on A β toxicity and assembly: focus on Microglia derived vesicles. <i>SpringerPlus</i> , 2015, 4, .	1.2	0
35	P2Y ₂ receptor antagonists as anti-allodynic agents in acute and sub-chronic trigeminal sensitization: Role of satellite glial cells. <i>Glia</i> , 2015, 63, 1256-1269.	4.9	70
36	Active endocannabinoids are secreted on extracellular membrane vesicles. <i>EMBO Reports</i> , 2015, 16, 213-220.	4.5	182

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37	Extracellular Vesicles in Alzheimer's Disease: Friends or Foes? Focus on A β -Vesicle Interaction. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4800-4813.	4.1	73
38	Glucolipotoxicity Impairs Ceramide Flow from the Endoplasmic Reticulum to the Golgi Apparatus in INS-1 β -Cells. <i>PLoS ONE</i> , 2014, 9, e110875.	2.5	25
39	Microglia is a Key Player in the Reduction of Stroke Damage Promoted by the New Antithrombotic Agent Ticagrelor. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 979-988.	4.3	71
40	Testing A β toxicity on primary CNS cultures using drug-screening microfluidic chips. <i>Lab on A Chip</i> , 2014, 14, 2860-2866.	6.0	39
41	Microglia convert aggregated amyloid- β into neurotoxic forms through the shedding of microvesicles. <i>Cell Death and Differentiation</i> , 2014, 21, 582-593.	11.2	219
42	Bone Marrow Mesenchymal Stromal Cells Drive Protective M2 Microglia Polarization After Brain Trauma. <i>Neurotherapeutics</i> , 2014, 11, 679-695.	4.4	140
43	Epileptiform Activity and Cognitive Deficits in SNAP-25+/ Δ Mice are Normalized by Antiepileptic Drugs. <i>Cerebral Cortex</i> , 2014, 24, 364-376.	2.9	78
44	Myeloid microvesicles in cerebrospinal fluid are associated with myelin damage and neuronal loss in mild cognitive impairment and Alzheimer disease. <i>Annals of Neurology</i> , 2014, 76, 813-825.	5.3	91
45	A Simple Method to Generate Adipose Stem Cell-Derived Neurons for Screening Purposes. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 274-281.	2.3	12
46	Nanostructured TiO ₂ surfaces promote polarized activation of microglia, but not astrocytes, toward a proinflammatory profile. <i>Nanoscale</i> , 2013, 5, 10963.	5.6	22
47	Classical and unconventional pathways of vesicular release in microglia. <i>Glia</i> , 2013, 61, 1003-1017.	4.9	72
48	Reduced SNAP-25 alters short-term plasticity at developing glutamatergic synapses. <i>EMBO Reports</i> , 2013, 14, 645-651.	4.5	64
49	Kainate Induces Mobilization of Synaptic Vesicles at the Growth Cone through the Activation of Protein Kinase A. <i>Cerebral Cortex</i> , 2013, 23, 531-541.	2.9	17
50	Extracellular membrane microvesicles and nanotubes in the brain: understanding their nature, their function in cell-to-cell communication, their role in transcellular spreading of pathological agents and their therapeutic potential. <i>Frontiers in Physiology</i> , 2013, 4, 163.	2.8	11
51	Activated macrophages release microvesicles containing polarized M1 or M2 mRNAs. <i>Journal of Leukocyte Biology</i> , 2013, 95, 817-825.	3.3	76
52	Cracking Down on Inhibition: Selective Removal of GABAergic Interneurons from Hippocampal Networks. <i>Journal of Neuroscience</i> , 2012, 32, 1989-2001.	3.6	40
53	Microvesicles released from microglia stimulate synaptic activity via enhanced sphingolipid metabolism. <i>EMBO Journal</i> , 2012, 31, 1231-1240.	7.8	266
54	Myeloid microvesicles are a marker and therapeutic target for neuroinflammation. <i>Annals of Neurology</i> , 2012, 72, 610-624.	5.3	277

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55	Mutant PrP Suppresses Glutamatergic Neurotransmission in Cerebellar Granule Neurons by Impairing Membrane Delivery of VGCC α 1 Subunit. <i>Neuron</i> , 2012, 74, 300-313.	8.1	64
56	Microvesicles: Novel Biomarkers for Neurological Disorders. <i>Frontiers in Physiology</i> , 2012, 3, 63.	2.8	90
57	Microglial microvesicle secretion and intercellular signaling. <i>Frontiers in Physiology</i> , 2012, 3, 149.	2.8	149
58	Tl α VAMP/VAMP7 is the SNARE of secretory lysosomes contributing to ATP secretion from astrocytes. <i>Biology of the Cell</i> , 2012, 104, 213-228.	2.0	79
59	Calcitonin Gene-Related Peptide-Mediated Enhancement of Purinergic Neuron/Glia Communication by the Allogenic Factor Bradykinin in Mouse Trigeminal Ganglia from Wild-Type and R192Q Ca _v 2.1 Knock-In Mice: Implications for Basic Mechanisms of Migraine Pain. <i>Journal of Neuroscience</i> , 2011, 31, 3638-3649.	3.6	111
60	Selective activation of the transcription factor ATF6 mediates endoplasmic reticulum proliferation triggered by a membrane protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7832-7837.	7.1	91
61	ATP in neuron-glia bidirectional signalling. <i>Brain Research Reviews</i> , 2011, 66, 106-114.	9.0	45
62	Phenotypic Changes, Signaling Pathway, and Functional Correlates of GPR17-expressing Neural Precursor Cells during Oligodendrocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 10593-10604.	3.4	154
63	Intrinsic calcium dynamics control botulinum toxin A susceptibility in distinct neuronal populations. <i>Cell Calcium</i> , 2010, 47, 419-424.	2.4	17
64	Endogenous SNAP-25 Regulates Native Voltage-gated Calcium Channels in Glutamatergic Neurons. <i>Journal of Biological Chemistry</i> , 2010, 285, 24968-24976.	3.4	60
65	Expression and contribution of satellite glial cells purinoceptors to pain transmission in sensory ganglia: an update. <i>Neuron Glia Biology</i> , 2010, 6, 31-42.	1.6	64
66	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
67	Different properties of P2X7 receptor in hippocampal and cortical astrocytes. <i>Purinergic Signalling</i> , 2009, 5, 233-240.	2.2	35
68	Acid sphingomyelinase activity triggers microparticle release from glial cells. <i>EMBO Journal</i> , 2009, 28, 1374-1374.	7.8	2
69	Acid sphingomyelinase activity triggers microparticle release from glial cells. <i>EMBO Journal</i> , 2009, 28, 1043-1054.	7.8	499
70	SNAP-25 in Neuropsychiatric Disorders. <i>Annals of the New York Academy of Sciences</i> , 2009, 1152, 93-99.	3.8	98
71	VGLUT1 and VGAT are sorted to the same population of synaptic vesicles in subsets of cortical axon terminals. <i>Journal of Neurochemistry</i> , 2009, 110, 1538-1546.	3.9	52
72	The synaptic split of SNAP-25: Different roles in glutamatergic and GABAergic neurons?. <i>Neuroscience</i> , 2009, 158, 223-230.	2.3	33

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73	Heterogeneous expression of SNAP-25 in rat and human brain. <i>Journal of Comparative Neurology</i> , 2008, 506, 373-386.	1.6	50
74	Heterogeneous expression of SNAP-25 in rat and human brain. <i>Journal of Comparative Neurology</i> , 2008, 506, spc1-spc1.	1.6	1
75	Heterogeneous expression of SNAP-25 in rat and human brain. <i>Journal of Comparative Neurology</i> , 2008, 506, spc1-spc1.	1.6	0
76	Purinceptor-mediated calcium signaling in primary neuron-glia trigeminal cultures. <i>Cell Calcium</i> , 2008, 43, 576-590.	2.4	90
77	Calpain activity contributes to the control of SNAP-25 levels in neurons. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 314-323.	2.2	18
78	Activity-dependent phosphorylation of Ser187 is required for SNAP-25-negative modulation of neuronal voltage-gated calcium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 323-328.	7.1	102
79	Purinergic Control of T Cell Activation by ATP Released Through Pannexin-1 Hemichannels. <i>Science Signaling</i> , 2008, 1, ra6.	3.6	357
80	Uptake and recycling of pro-BDNF for transmitter-induced secretion by cortical astrocytes. <i>Journal of Cell Biology</i> , 2008, 183, 213-221.	5.2	155
81	The Recently Identified P2Y-Like Receptor GPR17 Is a Sensor of Brain Damage and a New Target for Brain Repair. <i>PLoS ONE</i> , 2008, 3, e3579.	2.5	192
82	Traffic of Botulinum Toxins A and E in Excitatory and Inhibitory Neurons. <i>Traffic</i> , 2007, 8, 142-153.	2.7	87
83	Cross talk between vestibular neurons and Schwann cells mediates BDNF release and neuronal regeneration. <i>Brain Cell Biology</i> , 2007, 35, 187-201.	3.2	42
84	A role for P2X7 in microglial proliferation. <i>Journal of Neurochemistry</i> , 2006, 99, 745-758.	3.9	127
85	The orphan receptor GPR17 identified as a new dual uracil nucleotides/cysteinyl-leukotrienes receptor. <i>EMBO Journal</i> , 2006, 25, 4615-4627.	7.8	380
86	Entering neurons: botulinum toxins and synaptic vesicle recycling. <i>EMBO Reports</i> , 2006, 7, 995-999.	4.5	87
87	Synaptobrevin2-expressing vesicles in rat astrocytes: insights into molecular characterization, dynamics and exocytosis. <i>Journal of Physiology</i> , 2006, 570, 567-582.	2.9	116
88	Vesicular transmitter release from astrocytes. <i>Glia</i> , 2006, 54, 700-715.	4.9	291
89	Astrocyte-Derived ATP Induces Vesicle Shedding and IL-1 β Release from Microglia. <i>Journal of Immunology</i> , 2005, 174, 7268-7277.	0.8	514
90	Internalization and Mechanism of Action of Clostridial Toxins in Neurons. <i>NeuroToxicology</i> , 2005, 26, 761-767.	3.0	98

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91	Pathophysiological roles of extracellular nucleotides in glial cells: differential expression of purinergic receptors in resting and activated microglia. <i>Brain Research Reviews</i> , 2005, 48, 144-156.	9.0	143
92	Analysis of SNAP-25 immunoreactivity in hippocampal inhibitory neurons during development in culture and in situ. <i>Neuroscience</i> , 2005, 131, 813-823.	2.3	62
93	Glutamate-mediated overexpression of CD38 in astrocytes cultured with neurones. <i>Journal of Neurochemistry</i> , 2004, 89, 264-272.	3.9	52
94	Vesicle turnover in developing neurons: how to build a presynaptic terminal. <i>Trends in Cell Biology</i> , 2004, 14, 133-140.	7.9	39
95	SNAP-25 Modulation of Calcium Dynamics Underlies Differences in GABAergic and Glutamatergic Responsiveness to Depolarization. <i>Neuron</i> , 2004, 41, 599-610.	8.1	192
96	Regulated delivery of AMPA receptor subunits to the presynaptic membrane. <i>EMBO Journal</i> , 2003, 22, 558-568.	7.8	48
97	Nucleotide-mediated calcium signaling in rat cortical astrocytes: Role of P2X and P2Y receptors. <i>Glia</i> , 2003, 43, 218-230.	4.9	235
98	Storage and Release of ATP from Astrocytes in Culture. <i>Journal of Biological Chemistry</i> , 2003, 278, 1354-1362.	3.4	441
99	Localization and Functional Relevance of System A Neutral Amino Acid Transporters in Cultured Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2002, 277, 10467-10473.	3.4	60
100	Calcium-dependent Cleavage of Endogenous Wild-type Huntingtin in Primary Cortical Neurons. <i>Journal of Biological Chemistry</i> , 2002, 277, 39594-39598.	3.4	73
101	Block of Glutamate-Glutamine Cycle Between Astrocytes and Neurons Inhibits Epileptiform Activity in Hippocampus. <i>Journal of Neurophysiology</i> , 2002, 88, 2302-2310.	1.8	85
102	Spatial and Temporal Regulation of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Activity in Developing Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 7016-7026.	3.6	43
103	Internalization and Proteolytic Action of Botulinum Toxins in CNS Neurons and Astrocytes. <i>Journal of Neurochemistry</i> , 2002, 73, 372-379.	3.9	62
104	Chronic Blockade of Glutamate Receptors Enhances Presynaptic Release and Downregulates the Interaction between Synaptophysin-Synaptobrevin and Vesicle-Associated Membrane Protein 2. <i>Journal of Neuroscience</i> , 2001, 21, 6588-6596.	3.6	110
105	Evidence of a role for cyclic ADP-ribose in calcium signalling and neurotransmitter release in cultured astrocytes. <i>Journal of Neurochemistry</i> , 2001, 78, 646-657.	3.9	117
106	ATP Mediates Calcium Signaling Between Astrocytes and Microglial Cells: Modulation by IFN- γ . <i>Journal of Immunology</i> , 2001, 166, 6383-6391.	0.8	221
107	Different Localizations and Functions of L-Type and N-Type Calcium Channels during Development of Hippocampal Neurons. <i>Developmental Biology</i> , 2000, 227, 581-594.	2.0	78
108	Tetanus Toxin Blocks the Exocytosis of Synaptic Vesicles Clustered at Synapses But Not of Synaptic Vesicles in Isolated Axons. <i>Journal of Neuroscience</i> , 1999, 19, 6723-6732.	3.6	83

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109	A Regulated Secretory Pathway in Cultured Hippocampal Astrocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 22539-22547.	3.4	142
110	Synaptic and intrinsic mechanisms shape synchronous oscillations in hippocampal neurons in culture. <i>European Journal of Neuroscience</i> , 1999, 11, 389-397.	2.6	108
111	Astrocytes are required for the oscillatory activity in cultured hippocampal neurons. <i>European Journal of Neuroscience</i> , 1999, 11, 2793-2800.	2.6	43
112	Synaptogenesis in hippocampal cultures. <i>Cellular and Molecular Life Sciences</i> , 1999, 55, 1448-1462.	5.4	50
113	The role of glial cells in synaptic function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 403-409.	4.0	84
114	Calcium Dependence of Synaptic Vesicle Recycling Before and After Synaptogenesis. <i>Journal of Neurochemistry</i> , 1998, 71, 1987-1992.	3.9	23
115	Non-synaptic Localization of the Glutamate Transporter EAAC1 in Cultured Hippocampal Neurons. <i>European Journal of Neuroscience</i> , 1997, 9, 1902-1910.	2.6	84
116	Synaptic vesicle endocytosis mediates the entry of tetanus neurotoxin into hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 13310-13315.	7.1	126
117	Calcium-dependent glutamate release during neuronal development and synaptogenesis: different involvement of omega-agatoxin IVA- and omega-conotoxin GVIA-sensitive channels.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 6449-6453.	7.1	63
118	Native Nicotinic Acetylcholine Receptors in Human Imr32 Neuroblastoma Cells: Functional, Immunological and Pharmacological Properties. <i>European Journal of Neuroscience</i> , 1995, 7, 2083-2092.	2.6	42
119	Mechanisms of synaptogenesis in hippocampal neurons in primary culture. <i>Journal of Physiology (Paris)</i> , 1995, 89, 51-55.	2.1	25
120	Spatial changes in calcium signaling during the establishment of neuronal polarity and synaptogenesis.. <i>Journal of Cell Biology</i> , 1994, 126, 1527-1536.	5.2	46
121	Pathophysiological Roles of P2 Receptors in Glial Cells. <i>Novartis Foundation Symposium</i> , 0, , 91-106.	1.1	39