

# Riccardo Fesce

## List of Publications by Year in descending order

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75  
papers

2,577  
citations

172457

29  
h-index

189892

50  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotransmitter release: fusion or "kiss-and-run"? Trends in Cell Biology, 1994, 4, 1-4.	7.9	303
2	Temporal coincidence between synaptic vesicle fusion and quantal secretion of acetylcholine.. Journal of Cell Biology, 1985, 101, 1386-1399.	5.2	155
3	Allosteric Modulation of Drug Binding to Human Serum Albumin. Mini-Reviews in Medicinal Chemistry, 2006, 6, 483-489.	2.4	150
4	Synaptophysin (p38) at the frog neuromuscular junction: its incorporation into the axolemma and recycling after intense quantal secretion.. Journal of Cell Biology, 1988, 107, 2717-2727.	5.2	124
5	Synaptic vesicles: is kissing a matter of competence?. Trends in Cell Biology, 2001, 11, 324-328.	7.9	108
6	Neurotransmitter release and synaptic vesicle recycling. Neuroscience, 1990, 35, 477-489.	2.3	95
7	Synapsin I partially dissociates from synaptic vesicles during exocytosis induced by electrical stimulation. Neuron, 1992, 9, 1143-1153.	8.1	86
8	Block of Glutamate-Glutamine Cycle Between Astrocytes and Neurons Inhibits Epileptiform Activity in Hippocampus. Journal of Neurophysiology, 2002, 88, 2302-2310.	1.8	85
9	Effects of black widow spider venom and Ca <sup>2+</sup> on quantal secretion at the frog neuromuscular junction.. Journal of General Physiology, 1986, 88, 59-81.	1.9	80
10	Urokinase Regulates Vitronectin Binding by Controlling Urokinase Receptor Oligomerization. Journal of Biological Chemistry, 2002, 277, 27982-27990.	3.4	77
11	Maternal Immune Activation Delays Excitatory-to-Inhibitory Gamma-Aminobutyric Acid Switch in Offspring. Biological Psychiatry, 2018, 83, 680-691.	1.3	72
12	Miniature endplate potential frequency and amplitude determined by an extension of Campbell's theorem. Biophysical Journal, 1985, 47, 183-202.	0.5	71
13	Measurement of quantal secretion induced by ouabain and its correlation with depletion of synaptic vesicles.. Journal of Cell Biology, 1985, 101, 1953-1965.	5.2	68
14	Mechanisms of coordination of Ca <sup>2+</sup> signals in pancreatic islet cells. Diabetes, 1999, 48, 1971-1978.	0.6	58
15	Quantal nature of synaptic transmission at the cytoneural junction in the frog labyrinth.. Journal of Physiology, 1994, 478, 17-35.	2.9	57
16	The effect of potassium on exocytosis of transmitter at the frog neuromuscular junction.. Journal of Physiology, 1988, 401, 163-183.	2.9	55
17	Allosteric modulation of myristate and Mn(III)heme binding to human serum albumin. Optical and NMR spectroscopy characterization. FEBS Journal, 2005, 272, 4672-4683.	4.7	53
18	Synapsins Contribute to the Dynamic Spatial Organization of Synaptic Vesicles in an Activity-Dependent Manner. Journal of Neuroscience, 2012, 32, 12214-12227.	3.6	52

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19	Two Conserved Cysteine Triads in Human Ero1 $\pm$ Cooperate for Efficient Disulfide Bond Formation in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2004, 279, 30047-30052.	3.4	51
20	Correlation between quantal secretion and vesicle loss at the frog neuromuscular junction.. <i>Journal of Physiology</i> , 1990, 425, 501-526.	2.9	40
21	Mitogenic effect of serotonin in human small cell lung carcinoma cells via both 5-HT1A and 5-HT1D receptors. <i>European Journal of Pharmacology</i> , 1995, 291, 209-211.	2.6	40
22	Fluctuation analysis of nonideal shot noise. Application to the neuromuscular junction.. <i>Journal of General Physiology</i> , 1986, 88, 25-57.	1.9	39
23	Is the use of marginal donors justified in liver transplantation? Analysis of results and proposal of modern criteria. <i>Transplant International</i> , 1996, 9, S414-S417.	1.6	39
24	Mab21, the mouse homolog of a <i>C. elegans</i> cell-fate specification gene, participates in cerebellar, midbrain and eye development. <i>Mechanisms of Development</i> , 1998, 79, 131-135.	1.7	39
25	Marginal donors in liver transplantation: the role of donor age. <i>Transplantation Proceedings</i> , 1999, 31, 397-400.	0.6	39
26	Phosphorylation-dependent Effects of Synapsin IIa on Actin Polymerization and Network Formation. <i>European Journal of Neuroscience</i> , 1997, 9, 2712-2722.	2.6	38
27	A novel SYN1 missense mutation in non-syndromic X-linked intellectual disability affects synaptic vesicle life cycle, clustering and mobility. <i>Human Molecular Genetics</i> , 2017, 26, 4699-4714.	2.9	37
28	Peeping at the vesicle kiss. <i>Nature Cell Biology</i> , 1999, 1, E3-E4.	10.3	33
29	Freeze-fracture studies of frog neuromuscular junctions during intense release of neurotransmitter. III. A morphometric analysis of the number and diameter of intramembrane particles.. <i>Journal of Cell Biology</i> , 1980, 85, 337-345.	5.2	31
30	The relation between charge movement and transport-associated currents in the rat GABA cotransporter rGAT1. <i>Journal of Physiology</i> , 2002, 545, 739-750.	2.9	29
31	Stochastic approaches to the study of synaptic function. <i>Progress in Neurobiology</i> , 1990, 35, 85-133.	5.7	28
32	The ERC1 scaffold protein implicated in cell motility drives the assembly of a liquid phase. <i>Scientific Reports</i> , 2019, 9, 13530.	3.3	25
33	The kinetics of nerve-evoked quantal secretion. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 319-329.	4.0	23
34	Static and dynamic properties of synaptic transmission at the cyto-neural junction of frog labyrinth posterior canal.. <i>Journal of General Physiology</i> , 1989, 94, 303-327.	1.9	19
35	Synaptic Current at the Rat Ganglionic Synapse and Its Interactions With the Neuronal Voltage-Dependent Currents. <i>Journal of Neurophysiology</i> , 1998, 79, 727-742.	1.8	19
36	Participation of a Chloride Conductance in the Subthreshold Behavior of the Rat Sympathetic Neuron. <i>Journal of Neurophysiology</i> , 1999, 82, 1662-1675.	1.8	19

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37	Electrophysiological Insights into the Mechanism of Ion-Coupled Cotransporters. <i>Physiology</i> , 2004, 19, 80-84.	3.1	19
38	IP3 receptor in the hair cells of frog semicircular canal and its possible functional role. <i>European Journal of Neuroscience</i> , 2006, 23, 1775-1783.	2.6	17
39	Evidence for receptor subtype cross-talk in the mitogenic action of serotonin on human small-cell lung carcinoma cells. <i>European Journal of Pharmacology</i> , 1996, 318, 497-504.	3.5	15
40	A computer-driven approach to PCR-based differential screening, alternative to differential display. <i>Bioinformatics</i> , 1999, 15, 93-105.	4.1	14
41	Cl <sup>-</sup> affects the function of the GABA cotransporter rGAT1 but preserves the mutual relationship between transient and transport currents. <i>Cellular and Molecular Life Sciences</i> , 2003, 60, 550-556.	5.4	11
42	Spontaneous and nerve-evoked quantal transmission in regenerated motor terminals. <i>Cell Biology International Reports</i> , 1989, 13, 1119-1126.	0.6	9
43	Dual effect of potassium on transmitter exocytosis. <i>Cell Biology International Reports</i> , 1989, 13, 1085-1095.	0.6	9
44	A model of signal processing at a mammalian sympathetic neurone. <i>Journal of Neuroscience Methods</i> , 1998, 80, 171-180.	2.5	8
45	Ca <sup>2+</sup> -dependent kinetics of hair cell Ca <sup>2+</sup> currents resolved with the use of cesium BAPTA. <i>NeuroReport</i> , 2000, 11, 2769-2774.	1.2	8
46	Potassium currents in the hair cells of vestibular epithelium: position-dependent expression of two types of A channels. <i>European Journal of Neuroscience</i> , 2007, 25, 695-704.	2.6	8
47	Ionic currents in hair cells dissociated from frog semicircular canals after preconditioning under microgravity conditions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1585-R1597.	1.8	8
48	The effect of clofilium, a K-channel blocker, on the electrogenic K secretion and the sensory discharge at the frog semicircular canal. <i>Brain Research</i> , 1996, 721, 174-180.	2.2	7
49	Intracellular Ca <sup>2+</sup> buffers can dramatically affect Ca <sup>2+</sup> conductances in hair cells. <i>Hearing Research</i> , 2004, 195, 67-74.	2.0	7
50	Synaptic and Somatic Effects of Axotomy in the Intact, Innervated Rat Sympathetic Neuron. <i>Journal of Neurophysiology</i> , 2006, 95, 2832-2844.	1.8	7
51	Isolation and possible role of fast and slow potassium current components in hair cells dissociated from frog crista ampullaris. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 1327-1342.	2.8	7
52	The Amplitude and Inactivation Properties of the Delayed Potassium Currents Are Regulated by Protein Kinase Activity in Hair Cells of the Frog Semicircular Canals. <i>PLoS ONE</i> , 2013, 8, e67784.	2.5	7
53	The membrane fusion machine and neurotransmitter release. <i>Neurochemistry International</i> , 1996, 28, 15-21.	3.8	6
54	A novel pattern of fast calcium oscillations points to calcium and electrical activity cross-talk in rat chromaffin cells. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 95-104.	5.4	6

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55	Baclofen and potential therapeutic use: Studies of neuronal survival. <i>European Journal of Pharmacology</i> , 2006, 550, 33-38.	3.5	6
56	Human Serum Haeme-albumin: An Allosteric $\alpha$ -Chronosteric <sup>TM</sup> Protein. , 2008, , 121-131.		6
57	Voltage- and Activity-Dependent Chloride Conductance Controls the Resting Status of the Intact Rat Sympathetic Neuron. <i>Journal of Neurophysiology</i> , 2003, 90, 712-722.	1.8	5
58	Exposure to reduced gravity impairs junctional transmission at the semicircular canal in the frog labyrinth. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R439-R452.	1.8	5
59	Sensory transduction at the frog semicircular canal: how hair cell membrane potential controls junctional transmission. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 235.	3.7	5
60	Subjectivity as an Emergent Property of Information Processing by Neuronal Networks. <i>Frontiers in Neuroscience</i> , 2020, 14, 548071.	2.8	5
61	Fluorescence approaches to the study of the actin-nucleating and bundling activities of synapsin I. <i>Journal of Physiology (Paris)</i> , 1993, 87, 117-122.	2.1	4
62	Regulation of kiss-and-run exocytosis: a switch or a maturation process?. <i>Trends in Cell Biology</i> , 2001, 11, 405.	7.9	4
63	Acute effects of gentamicin on the ionic currents of semicircular canal hair cells in the frog. <i>Hearing Research</i> , 2011, 282, 151-160.	2.0	4
64	Effects of Clofilium, a K Channel Blocker, on Electrogenic K Secretion and Afferent Discharge at the Frog Semicircular Canal: A Preliminary Report. <i>Acta Oto-Laryngologica</i> , 1996, 116, 277-279.	0.9	3
65	Biophysical properties of the silent and activated rat sympathetic neuron following denervation. <i>Neuroscience</i> , 2005, 135, 31-45.	2.3	3
66	Analysis of pre- and postsynaptic activity in the frog semicircular canal following ototoxic insult: differential recovery of background and evoked afferent activity. <i>Neuroscience</i> , 2009, 163, 1327-1339.	2.3	3
67	Synapsin I deletion reduces neuronal damage and ameliorates clinical progression of experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 197-210.	4.1	3
68	Regulation of the subthreshold chloride conductance in the rat sympathetic neuron. <i>European Journal of Neuroscience</i> , 2007, 25, 1112-1126.	2.6	2
69	The nicotinic activation of the denervated sympathetic neuron of the rat. <i>Neuroscience</i> , 2008, 154, 1360-1371.	2.3	2
70	Changes in Cationic Selectivity of the Nicotinic Channel at the Rat Ganglionic Synapse: A Role for Chloride Ions?. <i>PLoS ONE</i> , 2011, 6, e17318.	2.5	2
71	The effects of perilymphatic tonicity on endolymph composition and synaptic activity at the frog semicircular canal. <i>Hearing Research</i> , 1998, 121, 99-108.	2.0	1
72	Can selectivity be functionally modulated in ion channels?. <i>Journal of General Physiology</i> , 2011, 138, 367-370.	1.9	1

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73	Forskolin and protein kinase inhibitors differentially affect hair cell potassium currents and transmitter release at the cytoneural junction in the isolated frog labyrinth. Neuroscience, 2017, 357, 20-36.	2.3	1
74	Pre- and Postsynaptic Effects of Glutamate in the Frog Labyrinth. Neuroscience, 2018, 385, 198-214.	2.3	0
75	Biophysical Aspects of Presynaptic Activity. , 1994, , 97-115.		0