

Tommaso Patriarchi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32 papers	1,544 citations	20 h-index	39 g-index
43 ext. papers	2,406 ext. citations	12.5 avg, IF	4.76 L-index

#	Paper	IF	Citations
32	A genetically encoded sensor for in vivo imaging of orexin neuropeptides.. <i>Nature Methods</i> , 2022 , 19, 231-241	21.6	2
31	A photoswitchable GPCR-based opsin for presynaptic inhibition. <i>Neuron</i> , 2021 , 109, 1791-1809.e11	13.9	15
30	Cell-type-specific asynchronous modulation of PKA by dopamine in learning. <i>Nature</i> , 2021 , 590, 451-456	50.4	28
29	A versatile GPCR toolkit to track in vivo neuromodulation: not a one-size-fits-all sensor. <i>Neuropsychopharmacology</i> , 2021 , 46, 2043-2047	8.7	7
28	Distinct temporal integration of noradrenaline signaling by astrocytic second messengers during vigilance. <i>Nature Communications</i> , 2020 , 11, 471	17.4	45
27	Dopamine metabolism by a monoamine oxidase mitochondrial shuttle activates the electron transport chain. <i>Nature Neuroscience</i> , 2020 , 23, 15-20	25.5	42
26	GPCR-Based Dopamine Sensors-A Detailed Guide to Inform Sensor Choice for In vivo Imaging. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
25	An expanded palette of dopamine sensors for multiplex imaging in vivo. <i>Nature Methods</i> , 2020 , 17, 1147-1155	21.6	45
24	A Bright and Colorful Future for G-Protein Coupled Receptor Sensors. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 67	6.1	14
23	Dissociable dopamine dynamics for learning and motivation. <i>Nature</i> , 2019 , 570, 65-70	50.4	204
22	Imaging neuromodulators with high spatiotemporal resolution using genetically encoded indicators. <i>Nature Protocols</i> , 2019 , 14, 3471-3505	18.8	15
21	Optical dopamine monitoring with dLight1 reveals mesolimbic phenotypes in a mouse model of neurofibromatosis type1. <i>ELife</i> , 2019 , 8,	8.9	14
20	Nanodelivery of a functional membrane receptor to manipulate cellular phenotype. <i>Scientific Reports</i> , 2018 , 8, 3556	4.9	8
19	Actinin Anchors PSD-95 at Postsynaptic Sites. <i>Neuron</i> , 2018 , 97, 1094-1109.e9	13.9	34
18	Dopamine neurons projecting to medial shell of the nucleus accumbens drive heroin reinforcement. <i>ELife</i> , 2018 , 7,	8.9	79
17	Ca/calmodulin binding to PSD-95 mediates homeostatic synaptic scaling down. <i>EMBO Journal</i> , 2018 , 37, 122-138	13	25
16	Postsynaptic localization and regulation of AMPA receptors and Cav1.2 by α adrenergic receptor/PKA and Ca/CaMKII signaling. <i>EMBO Journal</i> , 2018 , 37,	13	36

15	Ultrafast neuronal imaging of dopamine dynamics with designed genetically encoded sensors. <i>Science</i> , 2018 , 360,	33.3	388
14	Ser1928 phosphorylation by PKA stimulates the L-type Ca ²⁺ channel CaV1.2 and vasoconstriction during acute hyperglycemia and diabetes. <i>Science Signaling</i> , 2017 , 10,	8.8	54
13	Phosphorylation of Ser1928 mediates the enhanced activity of the L-type Ca ²⁺ channel Cav1.2 by the β -adrenergic receptor in neurons. <i>Science Signaling</i> , 2017 , 10,	8.8	57
12	β -Actinin Promotes Surface Localization and Current Density of the Ca Channel Ca1.2 by Binding to the IQ Region of the β Subunit. <i>Biochemistry</i> , 2017 , 56, 3669-3681	3.2	16
11	Imbalance of excitatory/inhibitory synaptic protein expression in iPSC-derived neurons from FOXG1(+/-) patients and in foxg1(+/-) mice. <i>European Journal of Human Genetics</i> , 2016 , 24, 871-80	5.3	39
10	Cyclin G2 promotes cell cycle arrest in breast cancer cells responding to fulvestrant and metformin and correlates with patient survival. <i>Cell Cycle</i> , 2016 , 15, 3278-3295	4.7	22
9	Phosphorylation of Cav1.2 on S1928 uncouples the L-type Ca ²⁺ channel from the β adrenergic receptor. <i>EMBO Journal</i> , 2016 , 35, 1330-45	13	40
8	GluD1 is a common altered player in neuronal differentiation from both MECP2-mutated and CDKL5-mutated iPS cells. <i>European Journal of Human Genetics</i> , 2015 , 23, 195-201	5.3	56
7	Cyclin G2 Contributes to the Cell Cycle Arrest Response of Breast Cancer Cells to Estrogen Signaling-Antagonists and the AMPK Agonist, Metformin. <i>FASEB Journal</i> , 2015 , 29, 576.10	0.9	3
6	Capping of the N-terminus of PSD-95 by calmodulin triggers its postsynaptic release. <i>EMBO Journal</i> , 2014 , 33, 1341-53	13	49
5	Adenylyl cyclase anchoring by a kinase anchor protein AKAP5 (AKAP79/150) is important for postsynaptic β -adrenergic signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17918-31	5.4	50
4	L-type CaV1.2 deletion in the cochlea but not in the brainstem reduces noise vulnerability: implication for CaV1.2-mediated control of cochlear BDNF expression. <i>Frontiers in Molecular Neuroscience</i> , 2013 , 6, 20	6.1	11
3	β -Adrenergic receptor supports prolonged theta tetanus-induced LTP. <i>Journal of Neurophysiology</i> , 2012 , 107, 2703-12	3.2	53
2	Striatal-enriched protein-tyrosine phosphatase (STEP) regulates Pyk2 kinase activity. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20942-56	5.4	61
1	Cell-type specific asynchronous modulation of PKA by dopamine during reward based learning		9