Laura Marchetti

List of Publications by Year
in descending order

46 papers	22,556 citations	394421 19 h-index	276875 41 g-index
50 all docs	50 docs citations	50 times ranked	48626 citing authors

#	Article	IF	Citations
1	Ultrastructural Characterization of the Lower Motor System in a Mouse Model of Krabbe Disease. Scientific Reports, 2016, 6, 1.	3.3	20,953
2	Peripheral Neuron Survival and Outgrowth on Graphene. Frontiers in Neuroscience, 2018, 12, 1.	2.8	357
3	Simultaneous intracellular chloride and pH measurements using a GFP-based sensor. Nature Methods, 2010, 7, 516-518.	19.0	185
4	Delivery and Subcellular Targeting of Dendrimer-Based Fluorescent pH Sensors in Living Cells. Journal of the American Chemical Society, 2010, 132, 18158-18167.	13.7	137
5	Quantitative FRET Analysis With the E⁰GFPâ€mCherry Fluorescent Protein Pair. Photochemistry and Photobiology, 2009, 85, 287-297.	2.5	116
6	Spectroscopic and Structural Study of Proton and Halide Ion Cooperative Binding to GFP. Biophysical Journal, 2007, 93, 232-244.	0.5	75
7	Displacement of protein-bound aptamers with small molecules screened by fluorescence polarization. Nature Protocols, 2008, 3, 579-587.	12.0	74
8	Aptamer-Mediated Codelivery of Doxorubicin and NF-ÎºB Decoy Enhances Chemosensitivity of Pancreatic Tumor Cells. Molecular Therapy - Nucleic Acids, 2015, 4, e235.	5.1	67
9	Ligand signature in the membrane dynamics of single TrkA receptor molecules. Journal of Cell Science, 2013, 126, 4445-4456.	2.0	46
10	Fast-diffusing p75 ^{NTR} monomers support apoptosis and growth cone collapse by neurotrophin ligands. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21563-21572.	7.1	45
11	Graphene Promotes Axon Elongation through Local Stall of Nerve Growth Factor Signaling Endosomes. Nano Letters, 2020, 20, 3633-3641.	9.1	44
12	Pulmonary fibrosis from molecular mechanisms to therapeutic interventions: lessons from post-COVID-19 patients. Biochemical Pharmacology, 2021, 193, 114812.	4.4	40
13	Two Interconvertible Folds Modulate the Activity of a DNA Aptamer Against Transferrin Receptor. Molecular Therapy - Nucleic Acids, 2014, 3, e144.	5.1	36
14	Site-Specific Labeling of Neurotrophins and Their Receptors via Short and Versatile Peptide Tags. PLoS ONE, 2014, 9, e113708.	2.5	31
15	The homeotic protein HOXC13 is a member of human DNA replication complexes. Cell Cycle, 2009, 8, 454-459.	2.6	30
16	Homeotic proteins participate in the function of human-DNA replication origins. Nucleic Acids Research, 2010, 38, 8105-8119.	14.5	23
17	Pet and Stray Dogs as Reservoirs of Antimicrobial-Resistant Escherichia coli. International Journal of Microbiology, 2021, 2021, 1-8.	2.3	22
18	Single particle tracking of acyl carrier protein (ACP)-tagged TrkA receptors in PC12nnr5 cells. Journal of Neuroscience Methods, 2012, 204, 82-86.	2.5	21

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19	Precursor and mature NGF live tracking: one versus many at a time in the axons. Scientific Reports, 2016, 6, 20272.	3.3	21
20	Activity-dependent expression of Channelrhodopsin at neuronal synapses. Nature Communications, 2017, 8, 1629.	12.8	21
21	Ligand-Induced Dynamics of Neurotrophin Receptors Investigated by Single-Molecule Imaging Approaches. International Journal of Molecular Sciences, 2015, 16, 1949-1979.	4.1	20
22	An Optimized Procedure for the Site-Directed Labeling of NGF and proNGF for Imaging Purposes. Frontiers in Molecular Biosciences, 2017, 4, 4.	3.5	17
23	The Structure of the Pro-domain of Mouse proNGF in Contact with the NGF Domain. Structure, 2019, 27, 78-89.e3.	3.3	15
24	Molecular insight on the altered membrane trafficking of TrkA kinase dead mutants. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118614.	4.1	15
25	De novo Neurosteroidogenesis in Human Microglia: Involvement of the 18 kDa Translocator Protein. International Journal of Molecular Sciences, 2021, 22, 3115.	4.1	15
26	Site-Specific Direct Labeling of Neurotrophins and Their Receptors: From Biochemistry to Advanced Imaging Applications. Methods in Molecular Biology, 2018, 1727, 295-314.	0.9	14
27	Microglia extracellular vesicles: focus on molecular composition and biological function. Biochemical Society Transactions, 2021, 49, 1779-1790.	3.4	13
28	Effect of Chemical Vapor Deposition WS2 on Viability and Differentiation of SH-SY5Y Cells. Frontiers in Neuroscience, 2020, 14, 592502.	2.8	12
29	Novel positive allosteric modulators of A_{2B} adenosine receptor acting as bone mineralisation promoters. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 287-295.	5.2	12
30	High Adenosine Extracellular Levels Induce Glioblastoma Aggressive Traits Modulating the Mesenchymal Stromal Cell Secretome. International Journal of Molecular Sciences, 2020, 21, 7706.	4.1	11
31	Single-cell real-time imaging of transgene expression upon lipofection. Biochemical and Biophysical Research Communications, 2016, 474, 8-14.	2.1	10
32	Fluorolabeling of the PPTase-Related Chemical Tags: Comparative Study of Different Membrane Receptors and Different Fluorophores in the Labeling Reactions. Frontiers in Molecular Biosciences, 2020, 7, 195.	3.5	10
33	Lysosome Dynamic Properties during Neuronal Stem Cell Differentiation Studied by Spatiotemporal Fluctuation Spectroscopy and Organelle Tracking. International Journal of Molecular Sciences, 2020, 21, 3397.	4.1	8
34	DNA-protein interaction dynamics at the Lamin B2 replication origin. Cell Cycle, 2015, 14, 64-73.	2.6	6
35	Ruthenium(II) 1,4,7-trithiacyclononane complexes of curcumin and bisdemethoxycurcumin: Synthesis, characterization, and biological activity. Journal of Inorganic Biochemistry, 2021, 218, 111387.	3.5	5
36	A novel <scp>HLAâ€DRB1</scp> allele, <scp>DRB1</scp>*01:54, identified by sequenceâ€based typing. Tissue Antigens, 2013, 82, 80-81.	1.0	4

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37	Probing labeling-induced lysosome alterations in living cells by imaging-derived mean squared displacement analysis. Biochemical and Biophysical Research Communications, 2018, 503, 2704-2709.	2.1	4
38	Single molecule tracking and spectroscopy unveils molecular details in function and interactions of membrane receptors. , 2021, , .		4
39	Human Microglia Extracellular Vesicles Derived from Different Microglia Cell Lines: Similarities and Differences. ACS Omega, 2022, 7, 23127-23137.	3.5	4
40	Identification of a novelHLA-DRB1*13variant allele:DRB1*13:154. Tissue Antigens, 2013, 82, 210-211.	1.0	3
41	Characterization of a novel HLAâ€B allele (HLAâ€B*18:108) by intronâ€“exon sequencing of the HLAâ€B locus. Tissue Antigens, 2015, 86, 209-210.	1.0	3
42	Advances in microglia cellular models: focus on extracellular vesicle production. Biochemical Society Transactions, 2021, 49, 1791-1802.	3.4	3
43	Graphene on SiC. , 2022, , 65-97.		2
44	Development and In Vivo Application of a Novel Family of Dendrimer-Based Fluorescent Biosensensors. Biophysical Journal, 2011, 100, 471a.	0.5	0
45	Ligand Fingerprinting in the Membrane Dynamics of Single TrkA and P75NTR Neurotrophin Receptors. Biophysical Journal, 2015, 108, 207a-208a.	0.5	0
46	Single Molecule Imaging and Tracking of Neurotrophins and their Receptors in Living Neuronal Cells. Biophysical Journal, 2016, 110, 371a.	0.5	0