

Laura Marchetti

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

22,556
citations

394286

19
h-index

276775

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. <i>Scientific Reports</i> , 2016, 6, 1.	1.6	20,953
2	Peripheral Neuron Survival and Outgrowth on Graphene. <i>Frontiers in Neuroscience</i> , 2018, 12, 1.	1.4	357
3	Simultaneous intracellular chloride and pH measurements using a GFP-based sensor. <i>Nature Methods</i> , 2010, 7, 516-518.	9.0	185
4	Delivery and Subcellular Targeting of Dendrimer-Based Fluorescent pH Sensors in Living Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 18158-18167.	6.6	137
5	Quantitative FRET Analysis With the E ⁰ GFP μ mCherry Fluorescent Protein Pair. <i>Photochemistry and Photobiology</i> , 2009, 85, 287-297.	1.3	116
6	Spectroscopic and Structural Study of Proton and Halide Ion Cooperative Binding to GFP. <i>Biophysical Journal</i> , 2007, 93, 232-244.	0.2	75
7	Displacement of protein-bound aptamers with small molecules screened by fluorescence polarization. <i>Nature Protocols</i> , 2008, 3, 579-587.	5.5	74
8	Aptamer-Mediated Codelivery of Doxorubicin and NF- κ B Decoy Enhances Chemosensitivity of Pancreatic Tumor Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e235.	2.3	67
9	Ligand signature in the membrane dynamics of single TrkA receptor molecules. <i>Journal of Cell Science</i> , 2013, 126, 4445-4456.	1.2	46
10	Fast-diffusing p75 ^{NTR} monomers support apoptosis and growth cone collapse by neurotrophin ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21563-21572.	3.3	45
11	Graphene Promotes Axon Elongation through Local Stall of Nerve Growth Factor Signaling Endosomes. <i>Nano Letters</i> , 2020, 20, 3633-3641.	4.5	44
12	Pulmonary fibrosis from molecular mechanisms to therapeutic interventions: lessons from post-COVID-19 patients. <i>Biochemical Pharmacology</i> , 2021, 193, 114812.	2.0	40
13	Two Interconvertible Folds Modulate the Activity of a DNA Aptamer Against Transferrin Receptor. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e144.	2.3	36
14	Site-Specific Labeling of Neurotrophins and Their Receptors via Short and Versatile Peptide Tags. <i>PLoS ONE</i> , 2014, 9, e113708.	1.1	31
15	The homeotic protein HOXC13 is a member of human DNA replication complexes. <i>Cell Cycle</i> , 2009, 8, 454-459.	1.3	30
16	Homeotic proteins participate in the function of human-DNA replication origins. <i>Nucleic Acids Research</i> , 2010, 38, 8105-8119.	6.5	23
17	Pet and Stray Dogs as Reservoirs of Antimicrobial-Resistant <i>Escherichia coli</i> . <i>International Journal of Microbiology</i> , 2021, 2021, 1-8.	0.9	22
18	Single particle tracking of acyl carrier protein (ACP)-tagged TrkA receptors in PC12nr5 cells. <i>Journal of Neuroscience Methods</i> , 2012, 204, 82-86.	1.3	21

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19	Precursor and mature NGF live tracking: one versus many at a time in the axons. <i>Scientific Reports</i> , 2016, 6, 20272.	1.6	21
20	Activity-dependent expression of Channelrhodopsin at neuronal synapses. <i>Nature Communications</i> , 2017, 8, 1629.	5.8	21
21	Ligand-Induced Dynamics of Neurotrophin Receptors Investigated by Single-Molecule Imaging Approaches. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1949-1979.	1.8	20
22	An Optimized Procedure for the Site-Directed Labeling of NGF and proNGF for Imaging Purposes. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 4.	1.6	17
23	The Structure of the Pro-domain of Mouse proNGF in Contact with the NGF Domain. <i>Structure</i> , 2019, 27, 78-89.e3.	1.6	15
24	Molecular insight on the altered membrane trafficking of TrkA kinase dead mutants. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118614.	1.9	15
25	De novo Neurosteroidogenesis in Human Microglia: Involvement of the 18 kDa Translocator Protein. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3115.	1.8	15
26	Site-Specific Direct Labeling of Neurotrophins and Their Receptors: From Biochemistry to Advanced Imaging Applications. <i>Methods in Molecular Biology</i> , 2018, 1727, 295-314.	0.4	14
27	Microglia extracellular vesicles: focus on molecular composition and biological function. <i>Biochemical Society Transactions</i> , 2021, 49, 1779-1790.	1.6	13
28	Effect of Chemical Vapor Deposition WS2 on Viability and Differentiation of SH-SY5Y Cells. <i>Frontiers in Neuroscience</i> , 2020, 14, 592502.	1.4	12
29	Novel positive allosteric modulators of A _{2B} adenosine receptor acting as bone mineralisation promoters. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 287-295.	2.5	12
30	High Adenosine Extracellular Levels Induce Glioblastoma Aggressive Traits Modulating the Mesenchymal Stromal Cell Secretome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7706.	1.8	11
31	Single-cell real-time imaging of transgene expression upon lipofection. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 8-14.	1.0	10
32	Fluorolabeling of the PPTase-Related Chemical Tags: Comparative Study of Different Membrane Receptors and Different Fluorophores in the Labeling Reactions. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 195.	1.6	10
33	Lysosome Dynamic Properties during Neuronal Stem Cell Differentiation Studied by Spatiotemporal Fluctuation Spectroscopy and Organelle Tracking. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3397.	1.8	8
34	DNA-protein interaction dynamics at the Lamin B2 replication origin. <i>Cell Cycle</i> , 2015, 14, 64-73.	1.3	6
35	Ruthenium(II) 1,4,7-trithiacyclononane complexes of curcumin and bisdemethoxycurcumin: Synthesis, characterization, and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111387.	1.5	5
36	A novel HLA-DRB1 allele, DRB1*01:54, identified by sequence-based typing. <i>Tissue Antigens</i> , 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. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2704-2709.	1.0	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. <i>ACS Omega</i> , 2022, 7, 23127-23137.	1.6	4
40	Identification of a novel HLA-DRB1*13 variant allele: DRB1*13:154. <i>Tissue Antigens</i> , 2013, 82, 210-211.	1.0	3
41	Characterization of a novel HLA-B allele (<i>HLA-B*18:108</i>) by intron-exon sequencing of the HLA-B locus. <i>Tissue Antigens</i> , 2015, 86, 209-210.	1.0	3
42	Advances in microglia cellular models: focus on extracellular vesicle production. <i>Biochemical Society Transactions</i> , 2021, 49, 1791-1802.	1.6	3
43	Graphene on SiC. , 2022, , 65-97.		2
44	Development and In Vivo Application of a Novel Family of Dendrimer-Based Fluorescent Biosensors. <i>Biophysical Journal</i> , 2011, 100, 471a.	0.2	0
45	Ligand Fingerprinting in the Membrane Dynamics of Single TrkA and P75NTR Neurotrophin Receptors. <i>Biophysical Journal</i> , 2015, 108, 207a-208a.	0.2	0
46	Single Molecule Imaging and Tracking of Neurotrophins and their Receptors in Living Neuronal Cells. <i>Biophysical Journal</i> , 2016, 110, 371a.	0.2	0