

# Laura Marchetti

## 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.

41  
papers

13,336  
citations

16  
h-index

50  
g-index

50  
ext. papers

17,058  
ext. citations

6.5  
avg, IF

6.63  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 41 | Graphene on SiC <b>2022</b> , 65-97  |      |           |
| 40 | Pulmonary fibrosis from molecular mechanisms to therapeutic interventions: lessons from post-COVID-19 patients. <i>Biochemical Pharmacology</i> , <b>2021</b> , 193, 114812  | 6    | 5         |
| 39 | De novo Neurosteroidogenesis in Human Microglia: Involvement of the 18 kDa Translocator Protein. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,  | 6.3  | 6         |
| 38 | Ruthenium(II) 1,4,7-trithiacyclononane complexes of curcumin and bisdemethoxycurcumin: Synthesis, characterization, and biological activity. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 218, 111387            | 4.2  | 1         |
| 37 | Novel positive allosteric modulators of A adenosine receptor acting as bone mineralisation promoters. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 286-294                                | 5.6  | 6         |
| 36 | Pet and Stray Dogs as Reservoirs of Antimicrobial-Resistant. <i>International Journal of Microbiology</i> , <b>2021</b> , 2021, 6664557  | 3.6  | 3         |
| 35 | Microglia extracellular vesicles: focus on molecular composition and biological function. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1779-1790  | 5.1  | 4         |
| 34 | Advances in microglia cellular models: focus on extracellular vesicle production. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1791-1802  | 5.1  | 2         |
| 33 | Lysosome Dynamic Properties during Neuronal Stem Cell Differentiation Studied by Spatiotemporal Fluctuation Spectroscopy and Organelle Tracking. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,      | 6.3  | 4         |
| 32 | Graphene Promotes Axon Elongation through Local Stall of Nerve Growth Factor Signaling Endosomes. <i>Nano Letters</i> , <b>2020</b> , 20, 3633-3641  | 11.5 | 21        |
| 31 | Molecular insight on the altered membrane trafficking of TrkA kinase dead mutants. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2020</b> , 1867, 118614   | 4.9  | 5         |
| 30 | High Adenosine Extracellular Levels Induce Glioblastoma Aggressive Traits Modulating the Mesenchymal Stromal Cell Secretome. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,                          | 6.3  | 6         |
| 29 | Effect of Chemical Vapor Deposition WS on Viability and Differentiation of SH-SY5Y Cells. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 592502  | 5.1  | 3         |
| 28 | 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> , <b>2020</b> , 7, 195 | 5.6  | 1         |
| 27 | Fast-diffusing p75 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> , <b>2019</b> , 116, 21563-21572      | 11.5 | 24        |
| 26 | The Structure of the Pro-domain of Mouse proNGF in Contact with the NGF Domain. <i>Structure</i> , <b>2019</b> , 27, 78-89.e3  | 5.2  | 7         |
| 25 | Peripheral Neuron Survival and Outgrowth on Graphene. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 1   | 5.1  | 177       |

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|----|--|------|-------|
| 24 | Probing labeling-induced lysosome alterations in living cells by imaging-derived mean squared displacement analysis. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 503, 2704-2709 | 3.4  | 2     |
| 23 | Site-Specific Direct Labeling of Neurotrophins and Their Receptors: From Biochemistry to Advanced Imaging Applications. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1727, 295-314                      | 1.4  | 4     |
| 22 | Activity-dependent expression of Channelrhodopsin at neuronal synapses. <i>Nature Communications</i> , <b>2017</b> , 8, 1629   | 17.4 | 12    |
| 21 | An Optimized Procedure for the Site-Directed Labeling of NGF and proNGF for Imaging Purposes. <i>Frontiers in Molecular Biosciences</i> , <b>2017</b> , 4, 4   | 5.6  | 7     |
| 20 | Precursor and mature NGF live tracking: one versus many at a time in the axons. <i>Scientific Reports</i> , <b>2016</b> , 6, 20272   | 4.9  | 17    |
| 19 | Single-cell real-time imaging of transgene expression upon lipofection. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 474, 8-14   | 3.4  | 6     |
| 18 | Ultrastructural Characterization of the Lower Motor System in a Mouse Model of Krabbe Disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 1  | 4.9  | 12295 |
| 17 | Ligand-induced dynamics of neurotrophin receptors investigated by single-molecule imaging approaches. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 1949-79                           | 6.3  | 16    |
| 16 | Aptamer-Mediated Codelivery of Doxorubicin and NF- $\kappa$ B Decoy Enhances Chemosensitivity of Pancreatic Tumor Cells. <i>Molecular Therapy - Nucleic Acids</i> , <b>2015</b> , 4, e235                      | 10.7 | 52    |
| 15 | DNA-protein interaction dynamics at the Lamin B2 replication origin. <i>Cell Cycle</i> , <b>2015</b> , 14, 64-73   | 4.7  | 3     |
| 14 | Characterization of a novel HLA-B allele (HLA-B*18:108) by intron-exon sequencing of the HLA-B locus. <i>Tissue Antigens</i> , <b>2015</b> , 86, 209-10  |      | 3     |
| 13 | Site-specific labeling of neurotrophins and their receptors via short and versatile peptide tags. <i>PLoS ONE</i> , <b>2014</b> , 9, e113708   | 3.7  | 17    |
| 12 | Two interconvertible folds modulate the activity of a DNA aptamer against transferrin receptor. <i>Molecular Therapy - Nucleic Acids</i> , <b>2014</b> , 3, e144   | 10.7 | 27    |
| 11 | A novel HLA-DRB1 allele, DRB1*01:54, identified by sequence-based typing. <i>Tissue Antigens</i> , <b>2013</b> , 82, 80-1  |      | 4     |
| 10 | Identification of a novel HLA-DRB1*13 variant allele: DRB1*13:154. <i>Tissue Antigens</i> , <b>2013</b> , 82, 210-1  |      | 3     |
| 9  | Ligand signature in the membrane dynamics of single TrkA receptor molecules. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 4445-56   | 5.3  | 32    |
| 8  | Single particle tracking of acyl carrier protein (ACP)-tagged TrkA receptors in PC12nr5 cells. <i>Journal of Neuroscience Methods</i> , <b>2012</b> , 204, 82-86   | 3    | 15    |
| 7  | Simultaneous intracellular chloride and pH measurements using a GFP-based sensor. <i>Nature Methods</i> , <b>2010</b> , 7, 516-8   | 21.6 | 148   |

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|---|---|------|-----|
| 6 | Homeotic proteins participate in the function of human-DNA replication origins. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 8105-19                                   | 20.1 | 19  |
| 5 | Delivery and subcellular targeting of dendrimer-based fluorescent pH sensors in living cells. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 18158-67 | 16.4 | 130 |
| 4 | The homeotic protein HOXC13 is a member of human DNA replication complexes. <i>Cell Cycle</i> , <b>2009</b> , 8, 454-9  | 4.7  | 24  |
| 3 | Quantitative FRET analysis with the EGFP-mCherry fluorescent protein pair. <i>Photochemistry and Photobiology</i> , <b>2009</b> , 85, 287-97                                | 3.6  | 98  |
| 2 | Displacement of protein-bound aptamers with small molecules screened by fluorescence polarization. <i>Nature Protocols</i> , <b>2008</b> , 3, 579-87                        | 18.8 | 68  |
| 1 | Spectroscopic and structural study of proton and halide ion cooperative binding to gfp. <i>Biophysical Journal</i> , <b>2007</b> , 93, 232-44                               | 2.9  | 59  |