# Mattia Bramini

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2577518/publications.pdf

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| 33 | 1,788 | 361045 | 433756 |
|---|---|---|---|
| papers | citations | 20 h-index | 31 g-index |

| 35 | 35 | 35 | 3098 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of polystyrene microbeads in marine planktonic crustaceans. Ecotoxicology and Environmental Safety, 2017, 145, 250-257. | 2.9 | 212 |
| 2 | Chronic Stress Induces Sex-Specific Alterations in Methylation and Expression of Corticotropin-Releasing Factor Gene in the Rat. PLoS ONE, 2011, 6, e28128. | 1.1 | 135 |
| 3 | Subretinally injected semiconducting polymer nanoparticles rescue vision in a rat model of retinal dystrophy. Nature Nanotechnology, 2020, 15, 698-708. | 15.6 | 129 |
| 4 | Graphene Oxide Nanosheets Disrupt Lipid Composition, Ca<sup>2+</sup> Homeostasis, and Synaptic Transmission in Primary Cortical Neurons. ACS Nano, 2016, 10, 7154-7171. | 7.3 | 124 |
| 5 | Imaging Approach to Mechanistic Study of Nanoparticle Interactions with the Bloodâ€“Brain Barrier. ACS Nano, 2014, 8, 4304-4312. | 7.3 | 113 |
| 6 | Nanoparticle accumulation and transcytosis in brain endothelial cell layers. Nanoscale, 2013, 5, 11153. | 2.8 | 104 |
| 7 | Interfacing Graphene-Based Materials With Neural Cells. Frontiers in Systems Neuroscience, 2018, 12, 12. | 1.2 | 98 |
| 8 | Sexâ€dependent and differential responses to acute restraint stress of corticotropinâ€releasing factorâ€producing neurons in the rat paraventricular nucleus, central amygdala, and bed nucleus of the stria terminalis. Journal of Neuroscience Research, 2012, 90, 179-192. | 1.3 | 87 |
| 9 | Ecotoxicological effects of polystyrene microbeads in a battery of marine organisms belonging to different trophic levels. Marine Environmental Research, 2018, 141, 313-321. | 1.1 | 87 |
| 10 | Internal benchmarking of a human bloodâ€“brain barrier cell model for screening of nanoparticle uptake and transcytosis. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 360-367. | 2.0 | 81 |
| 11 | Characterization of a Polymerâ€Based, Fully Organic Prosthesis for Implantation into the Subretinal Space of the Rat. Advanced Healthcare Materials, 2016, 5, 2271-2282. | 3.9 | 75 |
| 12 | Neuronal firing modulation by a membrane-targeted photoswitch. Nature Nanotechnology, 2020, 15, 296-306. | 15.6 | 71 |
| 13 | Diagnostic nanoparticle targeting of the EGF-receptor in complex biological conditions using single-domain antibodies. Nanoscale, 2014, 6, 6046-6056. | 2.8 | 68 |
| 14 | Graphene Oxide Upregulates the Homeostatic Functions of Primary Astrocytes and Modulates Astrocyte-to-Neuron Communication. Nano Letters, 2018, 18, 5827-5838. | 4.5 | 47 |
| 15 | Multidisciplinary screening of toxicity induced by silica nanoparticles during sea urchin development. Chemosphere, 2015, 139, 486-495. | 4.2 | 39 |
| 16 | 2D materials in electrochemical sensors for in vitro or in vivo use. Analytical and Bioanalytical Chemistry, 2021, 413, 701-725. | 1.9 | 39 |
| 17 | Paracrine signalling of inflammatory cytokines from an in vitro blood brain barrier model upon exposure to polymeric nanoparticles. Analyst, The, 2014, 139, 923-930. | 1.7 | 37 |
| 18 | An Increase in Membrane Cholesterol by Graphene Oxide Disrupts Calcium Homeostasis in Primary Astrocytes. Small, 2019, 15, e1900147. | 5.2 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Membrane Environment Enables Ultrafast Isomerization of Amphiphilic Azobenzene. Advanced Science, 2020, 7, 1903241. | 5.6 | 28 |
| 20 | Exposure of Paracentrotus lividus male gametes to engineered nanoparticles affects skeletal bio-mineralization processes and larval plasticity. Aquatic Toxicology, 2015, 158, 181-191. | 1.9 | 25 |
| 21 | Low uptake of silica nanoparticles in Caco-2 intestinal epithelial barriers. Beilstein Journal of Nanotechnology, 2017, 8, 1396-1406. | 1.5 | 23 |
| 22 | Neuronal hyperactivity causes Na+/H+ exchanger-induced extracellular acidification at active synapses. Journal of Cell Science, 2017, 130, 1435-1449. | 1.2 | 18 |
| 23 | Polymer/enzyme-modified HF-etched carbon nanoelectrodes for single-cell analysis. Bioelectrochemistry, 2020, 133, 107487. | 2.4 | 15 |
| 24 | Interactions between Primary Neurons and Graphene Films with Different Structure and Electrical Conductivity. Advanced Functional Materials, 2021, 31, 2005300. | 7.8 | 15 |
| 25 | APache Is an AP2-Interacting Protein Involved in Synaptic Vesicle Trafficking and Neuronal Development. Cell Reports, 2017, 21, 3596-3611. | 2.9 | 14 |
| 26 | Beyond graphene oxide acidity: Novel insights into graphene related materials effects on the sexual reproduction of seed plants. Journal of Hazardous Materials, 2020, 393, 122380. | 6.5 | 14 |
| 27 | Graphene-based materials do not impair physiology, gene expression and growth dynamics of the aeroterrestrial microalga Trebouxia gelatinosa. Nanotoxicology, 2019, 13, 492-509. | 1.6 | 12 |
| 28 | Hydrogenated Graphene Improves Neuronal Network Maturation and Excitatory Transmission. Advanced Biology, 2021, 5, e2000177. | 1.4 | 12 |
| 29 | Isobaric Labeling Proteomics Allows a High-Throughput Investigation of Protein Corona Orientation. Analytical Chemistry, 2021, 93, 784-791. | 3.2 | 10 |
| 30 | Graphene Nanoplatelets Render Poly(3-Hydroxybutyrate) a Suitable Scaffold to Promote Neuronal Network Development. Frontiers in Neuroscience, 2021, 15, 731198. | 1.4 | 8 |
| 31 | Neuronal Cultures and Nanomaterials. Advances in Neurobiology, 2019, 22, 51-79. | 1.3 | 7 |
| 32 | Interactions Between 2D Graphene-Based Materials and the Nervous tissue. , 2018, , 62-85. | | 2 |
| 33 | Neuronal Networks: Interactions between Primary Neurons and Graphene Films with Different Structure and Electrical Conductivity (Adv. Funct. Mater. 11/2021). Advanced Functional Materials, 2021, 31, 2170075. | 7.8 | 0 |