# Fabrizia Cesca

List of Publications by Year
in descending order



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|---|---|---|---|
| 46 papers | 2,590 citations | 304368 22 h-index | 233125 45 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 4575 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The synapsins: Key actors of synapse function and plasticity. Progress in Neurobiology, 2010, 91, 313-348. | 2.8 | 510 |
| 2 | Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620. | 7.3 | 438 |
| 3 | Synapsin I Is an Oligomannose-Carrying Glycoprotein, Acts As an Oligomannose-Binding Lectin, and Promotes Neurite Outgrowth and Neuronal Survival When Released via Glia-Derived Exosomes. Journal of Neuroscience, 2011, 31, 7275-7290. | 1.7 | 244 |
| 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 | Interfacing Graphene-Based Materials With Neural Cells. Frontiers in Systems Neuroscience, 2018, 12, 12. | 1.2 | 98 |
| 6 | Synapsin II desynchronizes neurotransmitter release at inhibitory synapses by interacting with presynaptic calcium channels. Nature Communications, 2013, 4, 1512. | 5.8 | 87 |
| 7 | Nanostructured Superhydrophobic Substrates Trigger the Development of 3D Neuronal Networks. Small, 2013, 9, 402-412. | 5.2 | 83 |
| 8 | Synaptic and Extrasynaptic Origin of the Excitation/Inhibition Imbalance in the Hippocampus of Synapsin I/II/III Knockout Mice. Cerebral Cortex, 2013, 23, 581-593. | 1.6 | 65 |
| 9 | Kidins220/ARMS mediates the integration of the neurotrophin and VEGF pathways in the vascular and nervous systems. Cell Death and Differentiation, 2012, 19, 194-208. | 5.0 | 62 |
| 10 | Epileptogenic Q555X SYN1 mutant triggers imbalances in release dynamics and short-term plasticity. Human Molecular Genetics, 2013, 22, 2186-2199. | 1.4 | 61 |
| 11 | Cortico-hippocampal hyperexcitability in synapsin I/II/III knockout mice: age-dependency and response to the antiepileptic drug levetiracetam. Neuroscience, 2010, 171, 268-283. | 1.1 | 57 |
| 12 | Kidins220/ARMS as a functional mediator of multiple receptor signalling pathways. Journal of Cell Science, 2012, 125, 1845-54. | 1.2 | 55 |
| 13 | Specificity Protein 1 (Sp1)-dependent Activation of the Synapsin I Gene (SYN1) Is Modulated by RE1-silencing Transcription Factor (REST) and 5â€²-Cytosine-Phosphoguanine (CpG) Methylation. Journal of Biological Chemistry, 2013, 288, 3227-3239. | 1.6 | 53 |
| 14 | Kidins220/ARMS Is Transported by a Kinesin-1â€"based Mechanism Likely to be Involved in Neuronal Differentiation. Molecular Biology of the Cell, 2007, 18, 142-152. | 0.9 | 51 |
| 15 | Kidins220/ARMS is an essential modulator of cardiovascular and nervous system development. Cell Death and Disease, 2011, 2, e226-e226. | 2.7 | 50 |
| 16 | Regulation of neural gene transcription by optogenetic inhibition of the RE1-silencing transcription factor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E91-100. | 3.3 | 48 |
| 17 | Graphene Oxide Upregulates the Homeostatic Functions of Primary Astrocytes and Modulates Astrocyte-to-Neuron Communication. Nano Letters, 2018, 18, 5827-5838. | 4.5 | 47 |
| 18 | ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. Molecular and Cellular Biology, 2016, 36, 2208-2225. | 1.1 | 43 |

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|---|---|---|---|
| 19 | Bio-inspired hybrid microelectrodes: a hybrid solution to improve long-term performance of chronic intracortical implants. Frontiers in Neuroengineering, 2014, 7, 7. | 4.8 | 39 |
| 20 | An Increase in Membrane Cholesterol by Graphene Oxide Disrupts Calcium Homeostasis in Primary Astrocytes. Small, 2019, 15, e1900147. | 5.2 | 37 |
| 21 | Fabrication of biocompatible free-standing nanopatterned films for primary neuronal cultures. RSC Advances, 2014, 4, 45696-45702. | 1.7 | 31 |
| 22 | Delivery of Brain-Derived Neurotrophic Factor by 3D Biocompatible Polymeric Scaffolds for Neural Tissue Engineering and Neuronal Regeneration. Molecular Neurobiology, 2018, 55, 8788-8798. | 1.9 | 27 |
| 23 | Stepping Out of the Shade: Control of Neuronal Activity by the Scaffold Protein Kidins220/ARMS. Frontiers in Cellular Neuroscience, 2016, 10, 68. | 1.8 | 24 |
| 24 | Autoantibodies to synapsin I sequestrate synapsin I and alter synaptic function. Cell Death and Disease, 2019, 10, 864. | 2.7 | 24 |
| 25 | Optogenetic Modulation of Intracellular Signalling and Transcription: Focus on Neuronal Plasticity. Journal of Experimental Neuroscience, 2017, 11, 117906951770335. | 2.3 | 21 |
| 26 | Neuroinflammation induces synaptic scaling through IL-1Î²-mediated activation of the transcriptional repressor REST/NRSF. Cell Death and Disease, 2021, 12, 180. | 2.7 | 21 |
| 27 | Intrathecal immunoglobulin A and G antibodies to synapsin in a patient with limbic encephalitis. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e169. | 3.1 | 19 |
| 28 | Kidins220/ARMS binds to the B cell antigen receptor and regulates B cell development and activation. Journal of Experimental Medicine, 2015, 212, 1693-1708. | 4.2 | 18 |
| 29 | Neuronal hyperactivity causes Na+/H+ exchanger-induced extracellular acidification at active synapses. Journal of Cell Science, 2017, 130, 1435-1449. | 1.2 | 18 |
| 30 | Kidins220/ARMS controls astrocyte calcium signaling and neuronâ€“astrocyte communication. Cell Death and Differentiation, 2020, 27, 1505-1519. | 5.0 | 15 |
| 31 | Kidins220/ARMS Is a Novel Modulator of Short-Term Synaptic Plasticity in Hippocampal GABAergic Neurons. PLoS ONE, 2012, 7, e35785. | 1.1 | 14 |
| 32 | APache Is an AP2-Interacting Protein Involved in Synaptic Vesicle Trafficking and Neuronal Development. Cell Reports, 2017, 21, 3596-3611. | 2.9 | 14 |
| 33 | Functional Interaction between the Scaffold Protein Kidins220/ARMS and Neuronal Voltage-Gated Na+ Channels. Journal of Biological Chemistry, 2015, 290, 18045-18055. | 1.6 | 13 |
| 34 | Kidins220 deficiency causes ventriculomegaly via SNX27-retromer-dependent AQP4 degradation. Molecular Psychiatry, 2021, 26, 6411-6426. | 4.1 | 13 |
| 35 | Mild Inactivation of RE-1 Silencing Transcription Factor (REST) Reduces Susceptibility to Kainic Acid-Induced Seizures. Frontiers in Cellular Neuroscience, 2019, 13, 580. | 1.8 | 10 |
| 36 | A developmental stage- and Kidins220-dependent switch in astrocyte responsiveness to brain-derived neurotrophic factor. Journal of Cell Science, 2021, 134, . | 1.2 | 10 |

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|---|---|---|---|
| 37 | Imaging and structural studies of DNAâ€"protein complexes and membrane ion channels. Nanoscale, 2017, 9, 2768-2777. | 2.8 | 9 |
| 38 | The enhancement of activity rescues the establishment of <i>Mecp2</i> null neuronal phenotypes. EMBO Molecular Medicine, 2021, 13, e12433. | 3.3 | 8 |
| 39 | Graphene Nanoplatelets Render Poly(3-Hydroxybutyrate) a Suitable Scaffold to Promote Neuronal Network Development. Frontiers in Neuroscience, 2021, 15, 731198. | 1.4 | 8 |
| 40 | Neuronal Cultures and Nanomaterials. Advances in Neurobiology, 2019, 22, 51-79. | 1.3 | 7 |
| 41 | Engineering REST-Specific Synthetic PUF Proteins to Control Neuronal Gene Expression: A Combined Experimental and Computational Study. ACS Synthetic Biology, 2020, 9, 2039-2054. | 1.9 | 4 |
| 42 | 3D Cell Cultures: Nanostructured Superhydrophobic Substrates Trigger the Development of 3D Neuronal Networks (Small 3/2013). Small, 2013, 9, 334-334. | 5.2 | 2 |
| 43 | Kidins220/<scp>ARMS</scp> transgenic lines could be instrumental in the understanding of the molecular mechanisms leading to spastic paraplegia and obesity. European Journal of Neurology, 2018, 25, e107. | 1.7 | 2 |
| 44 | Interactions Between 2D Graphene-Based Materials and the Nervous tissue. , 2018, , 62-85. |  | 2 |
| 45 | Kidins220/ARMS modulates brain morphology and anxiety-like traits in adult mice. Cell Death Discovery, 2022, 8, 58. | 2.0 | 1 |
| 46 | Stability Studies of New Caged bis â€deoxyâ€coelenterazine Derivatives and Their Potential Use as Cellular pH Probes. Photochemistry and Photobiology, 2021, 97, 343-352. | 1.3 | 0 |