

Marco Martina

List of Publications by Year in descending order

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72
papers

4,701
citations

109321

35
h-index

110387

64
g-index

72
all docs

72
docs citations

72
times ranked

5425
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Abnormalities in Hippocampal Functioning with Persistent Pain. <i>Journal of Neuroscience</i> , 2012, 32, 5747-5756. | 3.6 | 365 |
| 2 | Morphological and functional reorganization of rat medial prefrontal cortex in neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2423-2428. | 7.1 | 357 |
| 3 | Functional and Molecular Differences between Voltage-Gated K ⁺ Channels of Fast-Spiking Interneurons and Pyramidal Neurons of Rat Hippocampus. <i>Journal of Neuroscience</i> , 1998, 18, 8111-8125. | 3.6 | 348 |
| 4 | Distal Initiation and Active Propagation of Action Potentials in Interneuron Dendrites. <i>Science</i> , 2000, 287, 295-300. | 12.6 | 323 |
| 5 | Scapuloperoneal spinal muscular atrophy and CMT2C are allelic disorders caused by alterations in TRPV4. <i>Nature Genetics</i> , 2010, 42, 165-169. | 21.4 | 232 |
| 6 | Functional differences in Na ⁺ channel gating between fast-spiking interneurons and principal neurons of rat hippocampus. <i>Journal of Physiology</i> , 1997, 505, 593-603. | 2.9 | 205 |
| 7 | Dendritic Mechanisms Underlying Rapid Synaptic Activation of Fast-Spiking Hippocampal Interneurons. <i>Science</i> , 2010, 327, 52-58. | 12.6 | 177 |
| 8 | The indirect pathway of the nucleus accumbens shell amplifies neuropathic pain. <i>Nature Neuroscience</i> , 2016, 19, 220-222. | 14.8 | 168 |
| 9 | R-Type Calcium Channels Contribute to Afterdepolarization and Bursting in Hippocampal CA1 Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2005, 25, 5763-5773. | 3.6 | 152 |
| 10 | The unipolar brush cell: A remarkable neuron finally receiving deserved attention. <i>Brain Research Reviews</i> , 2011, 66, 220-245. | 9.0 | 148 |
| 11 | Role of nucleus accumbens in neuropathic pain: Linked multi-scale evidence in the rat transitioning to neuropathic pain. <i>Pain</i> , 2014, 155, 1128-1139. | 4.2 | 133 |
| 12 | Gating, modulation and subunit composition of voltage-gated K ⁺ channels in dendritic inhibitory interneurons of rat hippocampus. <i>Journal of Physiology</i> , 2002, 538, 405-419. | 2.9 | 114 |
| 13 | Properties and Functional Role of Voltage-Dependent Potassium Channels in Dendrites of Rat Cerebellar Purkinje Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 5698-5707. | 3.6 | 112 |
| 14 | Chronic neuropathic pain-like behavior correlates with IL-1 β expression and disrupts cytokine interactions in the hippocampus. <i>Pain</i> , 2011, 152, 2827-2835. | 4.2 | 105 |
| 15 | Culture and differentiation of chondrocytes entrapped in alginate gels. <i>Calcified Tissue International</i> , 1993, 52, 42-48. | 3.1 | 77 |
| 16 | Reduced Glutamatergic Currents and Dendritic Branching of Layer 5 Pyramidal Cells Contribute to Medial Prefrontal Cortex Deactivation in a Rat Model of Neuropathic Pain. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 133. | 3.7 | 76 |
| 17 | Absence of alsin function leads to corticospinal motor neuron vulnerability via novel disease mechanisms. <i>Human Molecular Genetics</i> , 2016, 25, 1074-1087. | 2.9 | 70 |
| 18 | Dendritic spinopathy in transgenic mice expressing ALS/dementia-linked mutant <i>UBQLN2</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14524-14529. | 7.1 | 68 |

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|----|---|-----|-----------|
| 19 | Sodium Currents Activate without a Hodgkin and Huxley-Type Delay in Central Mammalian Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 671-684. | 3.6 | 62 |
| 20 | The Evf2 Ultraconserved Enhancer lncRNA Functionally and Spatially Organizes Megabase Distant Genes in the Developing Forebrain. <i>Molecular Cell</i> , 2018, 71, 956-972.e9. | 9.7 | 61 |
| 21 | Dendritic D-type potassium currents inhibit the spike afterdepolarization in rat hippocampal CA1 pyramidal neurons. <i>Journal of Physiology</i> , 2007, 581, 175-187. | 2.9 | 54 |
| 22 | Differential Expression of TASK Channels between Horizontal Interneurons and Pyramidal Cells of Rat Hippocampus. <i>Journal of Neuroscience</i> , 2005, 25, 9162-9170. | 3.6 | 53 |
| 23 | Voltage-Dependent Potassium Currents During Fast Spikes of Rat Cerebellar Purkinje Neurons: Inhibition by BDS-I Toxin. <i>Journal of Neurophysiology</i> , 2007, 97, 563-571. | 1.8 | 53 |
| 24 | Developmental Changes in Spontaneous GABAA-mediated Synaptic Events in Rat Hippocampal CA3 Neurons. <i>European Journal of Neuroscience</i> , 1994, 6, 805-813. | 2.6 | 51 |
| 25 | Expression of background potassium channels in rat DRG is cell-specific and down-regulated in a neuropathic pain model. <i>Molecular and Cellular Neurosciences</i> , 2013, 57, 1-9. | 2.2 | 51 |
| 26 | Temperature-Sensitive Cav1.2 Calcium Channels Support Intrinsic Firing of Pyramidal Neurons and Provide a Target for the Treatment of Febrile Seizures. <i>Journal of Neuroscience</i> , 2013, 33, 9920-9931. | 3.6 | 50 |
| 27 | Expression of DNA methyltransferases in adult dorsal root ganglia is cell-type specific and up regulated in a rodent model of neuropathic pain. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 217. | 3.7 | 50 |
| 28 | Flufenamic acid decreases neuronal excitability through modulation of voltage-gated sodium channel gating. <i>Journal of Physiology</i> , 2010, 588, 3869-3882. | 2.9 | 48 |
| 29 | Loss of M1 Receptor Dependent Cholinergic Excitation Contributes to mPFC Deactivation in Neuropathic Pain. <i>Journal of Neuroscience</i> , 2017, 37, 2292-2304. | 3.6 | 48 |
| 30 | Mutant TRPV4-mediated Toxicity Is Linked to Increased Constitutive Function in Axonal Neuropathies. <i>Journal of Biological Chemistry</i> , 2011, 286, 17281-17291. | 3.4 | 45 |
| 31 | Chronic neuropathic pain-like behavior and brain-borne IL-1 β . <i>Annals of the New York Academy of Sciences</i> , 2012, 1262, 101-107. | 3.8 | 45 |
| 32 | Mutant ataxin1 disrupts cerebellar development in spinocerebellar ataxia type 1. <i>Journal of Clinical Investigation</i> , 2018, 128, 2252-2265. | 8.2 | 45 |
| 33 | Early Onset of Ataxia in Moonwalker Mice Is Accompanied by Complete Ablation of Type II Unipolar Brush Cells and Purkinje Cell Dysfunction. <i>Journal of Neuroscience</i> , 2013, 33, 19689-19694. | 3.6 | 41 |
| 34 | A novel role for the late-onset Alzheimer's disease (LOAD)-associated protein Bin1 in regulating postsynaptic trafficking and glutamatergic signaling. <i>Molecular Psychiatry</i> , 2020, 25, 2000-2016. | 7.9 | 41 |
| 35 | Intrinsic properties and mechanisms of spontaneous firing in mouse cerebellar unipolar brush cells. <i>Journal of Physiology</i> , 2007, 581, 709-724. | 2.9 | 39 |
| 36 | Acid-sensing ion channels contribute to chemosensitivity of breathing-related neurons of the nucleus of the solitary tract. <i>Journal of Physiology</i> , 2012, 590, 4761-4775. | 2.9 | 36 |

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|----|---|------|-----------|
| 37 | The effect of intracellular Ca ²⁺ on GABA-activated currents in cerebellar granule cells in culture. <i>Journal of Membrane Biology</i> , 1994, 142, 209-216. | 2.1 | 35 |
| 38 | Electrophysiological, Morphological, and Topological Properties of Two Histochemically Distinct Subpopulations of Cerebellar Unipolar Brush Cells. <i>Cerebellum</i> , 2012, 11, 1012-1025. | 2.5 | 35 |
| 39 | Membrane stretch activates a potassium channel in pig articular chondrocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1329, 205-210. | 2.6 | 33 |
| 40 | Spontaneous GABA-mediated synaptic currents in cerebellar granule cells in culture. <i>NeuroReport</i> , 1995, 6, 1285-1289. | 1.2 | 32 |
| 41 | Dynamic Metabotropic Control of Intrinsic Firing in Cerebellar Unipolar Brush Cells. <i>Journal of Neurophysiology</i> , 2008, 100, 3351-3360. | 1.8 | 32 |
| 42 | Differential distribution of phospholipase C beta isoforms and diacylglycerol kinase-beta in rodents cerebella corroborates the division of unipolar brush cells into two major subtypes. <i>Brain Structure and Function</i> , 2014, 219, 719-749. | 2.3 | 32 |
| 43 | Calcium-activated potassium channels in chondrocytes. <i>Biochemical and Biophysical Research Communications</i> , 1992, 182, 1429-1434. | 2.1 | 31 |
| 44 | Activation of the dorsal, but not the ventral, hippocampus relieves neuropathic pain in rodents. <i>Pain</i> , 2021, 162, 2865-2880. | 4.2 | 27 |
| 45 | A Leptin-Mediated Neural Mechanism Linking Breathing to Metabolism. <i>Cell Reports</i> , 2020, 33, 108358. | 6.4 | 26 |
| 46 | pH modulation of glial glutamate transporters regulates synaptic transmission in the nucleus of the solitary tract. <i>Journal of Neurophysiology</i> , 2013, 110, 368-377. | 1.8 | 25 |
| 47 | Excitatory VTA to DH projections provide a valence signal to memory circuits. <i>Nature Communications</i> , 2020, 11, 1466. | 12.8 | 24 |
| 48 | Early Impairment of Synaptic and Intrinsic Excitability in Mice Expressing ALS/Dementia-Linked Mutant UBQLN2. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 216. | 3.7 | 23 |
| 49 | Adaptive alterations in the mesoaccumbal network after peripheral nerve injury. <i>Pain</i> , 2021, 162, 895-906. | 4.2 | 23 |
| 50 | A potassium channel in cultured chondrocytes. <i>Calcified Tissue International</i> , 1990, 47, 302-307. | 3.1 | 21 |
| 51 | Zinc Modulation of Bicuculline-sensitive and -insensitive GABA Receptors in the Developing Rat Hippocampus. <i>European Journal of Neuroscience</i> , 1996, 8, 2168-2176. | 2.6 | 20 |
| 52 | Circuit-selective properties of glutamatergic inputs to the rat prelimbic cortex and their alterations in neuropathic pain. <i>Brain Structure and Function</i> , 2018, 223, 2627-2639. | 2.3 | 20 |
| 53 | Energy Metabolism, Replicative Ability, Intracellular Calcium Concentration, and Ionic Channels of Horse Articular Chondrocytes. <i>Experimental Cell Research</i> , 1994, 210, 130-136. | 2.6 | 19 |
| 54 | Self-assembling vascular endothelial growth factor nanoparticles improve function in spinocerebellar ataxia type 1. <i>Brain</i> , 2019, 142, 312-321. | 7.6 | 19 |

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|----|--|------|-----------|
| 55 | Depolarizing GABA _A current in the prefrontal cortex is linked with cognitive impairment in a mouse model relevant for schizophrenia. <i>Science Advances</i> , 2021, 7, . | 10.3 | 18 |
| 56 | Differential Rearrangement of Excitatory Inputs to the Medial Prefrontal Cortex in Chronic Pain Models. <i>Frontiers in Neural Circuits</i> , 2021, 15, 791043. | 2.8 | 18 |
| 57 | A large-conductance voltage-dependent potassium channel in cultured pig articular chondrocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 433, 413-427. | 2.8 | 17 |
| 58 | Î±-Synuclein Expression in the Mouse Cerebellum Is Restricted to VGlut1 Excitatory Terminals and Is Enriched in Unipolar Brush Cells. <i>Cerebellum</i> , 2015, 14, 516-527. | 2.5 | 17 |
| 59 | Modification of plasma membrane of differentiating preosseous chondrocytes: Evidence for a degradative process in the mechanism of matrix vesicle formation. <i>Experimental Cell Research</i> , 1990, 188, 214-218. | 2.6 | 13 |
| 60 | Activation of astrocytic PAR1 receptors in the rat nucleus of the solitary tract regulates breathing through modulation of presynaptic TRPV1. <i>Journal of Physiology</i> , 2018, 596, 497-513. | 2.9 | 11 |
| 61 | The Electrophysiological Determinants of Corticospinal Motor Neuron Vulnerability in ALS. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 73. | 2.9 | 11 |
| 62 | Reduced FosB expression in the rat nucleus accumbens has causal role in the neuropathic pain phenotype. <i>Neuroscience Letters</i> , 2019, 702, 77-83. | 2.1 | 6 |
| 63 | Functionally Distinct Chloride-Mediated GABA Responses in Rat Cerebellar Granule Cells Cultured in a Low-Potassium Medium. <i>Journal of Neurophysiology</i> , 1997, 77, 507-510. | 1.8 | 4 |
| 64 | Commentary on E. Mugnaini and A. Floris, The Unipolar Brush Cell: A Neglected Neuron of the Mammalian Cerebellar Cortex. <i>J Comp Neurol</i> , 339:174-180, 1994. <i>Cerebellum</i> , 2015, 14, 484-486. | 2.5 | 3 |
| 65 | Unipolar Brush Cells. , 2016, , 213-218. | | 2 |
| 66 | Physiological Properties of Hippocampal Neurons. , 2010, , 69-98. | | 1 |
| 67 | Synaptic activity in X-linked mental retardation: a thorny issue. <i>Journal of Physiology</i> , 2012, 590, 653-653. | 2.9 | 0 |
| 68 | Editorial on the Honorary Cerebellum Issue for the Retirement of Enrico Mugnaini. <i>Cerebellum</i> , 2015, 14, 487-490. | 2.5 | 0 |
| 69 | Physiological Properties of Hippocampal Neurons. <i>Springer Series in Computational Neuroscience</i> , 2018, , 91-126. | 0.3 | 0 |
| 70 | Structured illumination microscopy (SIM) imaging of Bin1 colocalization with trafficking markers in cultured rat cortical neurons. <i>Molecular Psychiatry</i> , 2020, 25, 1905-1905. | 7.9 | 0 |
| 71 | The Role of Dorsomedial Hypothalamic LepRb-expressing Neurons in the Control of Respiratory Motor Output. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 0 |
| 72 | Transient synapses, permanent pain. <i>Pain</i> , 2021, 162, 1279-1280. | 4.2 | 0 |