

# Michele D Papa

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

4,246  
citations

76196

40  
h-index

123241

61  
g-index

95  
all docs

95  
docs citations

95  
times ranked

5275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered Spinal Homeostasis and Maladaptive Plasticity in GFAP Null Mice Following Peripheral Nerve Injury. <i>Cells</i> , 2022, 11, 1224.	1.8	8
2	Matrix metalloproteinases, purinergic signaling, and epigenetics: hubs in the spinal neuroglial network following peripheral nerve injury. <i>Histochemistry and Cell Biology</i> , 2022, , 1.	0.8	2
3	Regional Development of Glioblastoma: The Anatomical Conundrum of Cancer Biology and Its Surgical Implication. <i>Cells</i> , 2022, 11, 1349.	1.8	10
4	Supersaturation of VEP in Migraine without Aura Patients Treated with Topiramate: An Anatomic-Functional Biomarker of the Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 769.	1.0	6
5	Neurobiological After-Effects of Low Intensity Transcranial Electric Stimulation of the Human Nervous System: From Basic Mechanisms to Metaplasticity. <i>Frontiers in Neurology</i> , 2021, 12, 587771.	1.1	37
6	The Glioblastoma Microenvironment: Morphology, Metabolism, and Molecular Signature of Glial Dynamics to Discover Metabolic Rewiring Sequence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3301.	1.8	33
7	Inhibition of plasminogen/plasmin system retrieves endogenous nerve growth factor and adaptive spinal synaptic plasticity following peripheral nerve injury. <i>Neurochemistry International</i> , 2021, 148, 105113.	1.9	8
8	The Italian law on body donation: A position paper of the Italian College of Anatomists. <i>Annals of Anatomy</i> , 2021, 238, 151761.	1.0	13
9	The Spatiotemporal Coupling: Regional Energy Failure and Aberrant Proteins in Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11304.	1.8	8
10	CGRP Inhibitors and Oxidative Stress Biomarkers in Resistant Migraine: A Real-Life Study with Erenumab, Fremanezumab, and Galcanezumab. <i>Journal of Clinical Medicine</i> , 2021, 10, 4586.	1.0	12
11	Roadmap for Stroke: Challenging the Role of the Neuronal Extracellular Matrix. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7554.	1.8	5
12	Non-invasive Auricular Vagus Nerve Stimulation as a Potential Treatment for Covid19-Originated Acute Respiratory Distress Syndrome. <i>Frontiers in Physiology</i> , 2020, 11, 890.	1.3	45
13	ROS networks: designs, aging, Parkinson's disease and precision therapies. <i>Npj Systems Biology and Applications</i> , 2020, 6, 34.	1.4	50
14	The Spinal Extracellular Matrix Modulates a Multi-level Protein Net and Epigenetic Inducers Following Peripheral Nerve Injury. <i>Neuroscience</i> , 2020, 451, 216-225.	1.1	7
15	Neurons, Glia, Extracellular Matrix and Neurovascular Unit: A Systems Biology Approach to the Complexity of Synaptic Plasticity in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1539.	1.8	64
16	First steps for the development of silk fibroin-based 3D biohybrid retina for age-related macular degeneration (AMD). <i>Journal of Neural Engineering</i> , 2020, 17, 055003.	1.8	3
17	Regional brain susceptibility to neurodegeneration: what is the role of glial cells?. <i>Neural Regeneration Research</i> , 2020, 15, 838.	1.6	51
18	Current Directions in the Auricular Vagus Nerve Stimulation I – A Physiological Perspective. <i>Frontiers in Neuroscience</i> , 2019, 13, 854.	1.4	166

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19	Current Directions in the Auricular Vagus Nerve Stimulation II – An Engineering Perspective. <i>Frontiers in Neuroscience</i> , 2019, 13, 772.	1.4	85
20	Differential Modulation of NF- $\kappa$ B in Neurons and Astrocytes Underlies Neuroprotection and Antigliosis Activity of Natural Antioxidant Molecules. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	1.9	24
21	Dependence of Neuroprosthetic Stimulation on the Sensory Modality of the Trigeminal Neurons Following Nerve Injury. Implications in the Design of Future Sensory Neuroprostheses for Correct Perception and Modulation of Neuropathic Pain. <i>Frontiers in Neuroscience</i> , 2019, 13, 389.	1.4	10
22	Specific Expression of a New Bruton Tyrosine Kinase Isoform (p65BTK) in the Glioblastoma Gemistocytic Histotype. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 2.	1.4	16
23	Selective Vulnerability of Basal Ganglia: Insights into the Mechanisms of Bilateral Striatal Necrosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019, 78, 123-129.	0.9	21
24	Neural plasticity and adult neurogenesis: the deep biology perspective. <i>Neural Regeneration Research</i> , 2019, 14, 201.	1.6	26
25	Functional connectivity of the ventral tegmental area and avolition in subjects with schizophrenia: a resting state functional MRI study. <i>European Neuropsychopharmacology</i> , 2018, 28, 589-602.	0.3	32
26	Differentiation by nerve growth factor (NGF) involves mechanisms of crosstalk between energy homeostasis and mitochondrial remodeling. <i>Cell Death and Disease</i> , 2018, 9, 391.	2.7	53
27	Neuro-Immune Hemostasis: Homeostasis and Diseases in the Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 459.	1.8	98
28	VTA-insula Connectivity and Avolition in Subjects with Schizophrenia. <i>European Psychiatry</i> , 2017, 41, S57-S57.	0.1	0
29	Functional connectivity of the ventral tegmental area and avolition in schizophrenia: A resting state functional MRI study. <i>European Psychiatry</i> , 2017, 41, S196-S196.	0.1	0
30	Matrix Metalloproteinases, Neural Extracellular Matrix, and Central Nervous System Pathology. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 148, 167-202.	0.9	30
31	Neuro-Coagulopathy: Blood Coagulation Factors in Central Nervous System Diseases. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2128.	1.8	69
32	The TGF- $\beta$ 2 pathway is activated by 5-fluorouracil treatment in drug resistant colorectal carcinoma cells. <i>Oncotarget</i> , 2016, 7, 22077-22091.	0.8	49
33	Modulation of Matrix Metalloproteinases Activity in the Ventral Horn of the Spinal Cord Re-stores Neuroglial Synaptic Homeostasis and Neurotrophic Support following Peripheral Nerve Injury. <i>PLoS ONE</i> , 2016, 11, e0152750.	1.1	26
34	Comparing Alzheimer's and Parkinson's diseases networks using graph communities structure. <i>BMC Systems Biology</i> , 2016, 10, 25.	3.0	28
35	Looking Inside the Matrix: Perineuronal Nets in Plasticity, Maladaptive Plasticity and Neurological Disorders. <i>Neurochemical Research</i> , 2016, 41, 1507-1515.	1.6	41
36	Astrocytes and Microglia-Mediated Immune Response in Maladaptive Plasticity is Differently Modulated by NGF in the Ventral Horn of the Spinal Cord Following Peripheral Nerve Injury. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 37-46.	1.7	34

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37	Beyond peripheral nerve injury: spinal gliopathy and maladaptive synaptic plasticity. <i>Neural Regeneration Research</i> , 2016, 11, 1422.	1.6	5
38	Neuroprotection by Nerve Growth Factor (NGF) involves modulation of neuronal autophagy. <i>SpringerPlus</i> , 2015, 4, .	1.2	0
39	Trophic support following peripheral axotomy show different behaviour of reactive microglia and astroglia in the ventral horn. <i>SpringerPlus</i> , 2015, 4, .	1.2	0
40	Purinergic Modulation of Spinal Neuroglial Maladaptive Plasticity Following Peripheral Nerve Injury. <i>Molecular Neurobiology</i> , 2015, 52, 1440-1457.	1.9	40
41	Astrocyte-neuron interplay in maladaptive plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 42, 35-54.	2.9	89
42	Astroglialosis as a therapeutic target for neurodegenerative diseases. <i>Neuroscience Letters</i> , 2014, 565, 59-64.	1.0	136
43	Thrombin regulation of synaptic transmission: Implications for seizure onset. <i>Neurobiology of Disease</i> , 2013, 50, 171-178.	2.1	57
44	Remodelling of supraspinal neuroglial network in neuropathic pain is featured by a reactive gliosis of the nociceptive amygdala. <i>European Journal of Pain</i> , 2013, 17, 799-810.	1.4	34
45	Entoepidemiology of Chagas disease in northwest São Paulo and cytogenetic analysis of its main vector, <i>Triatoma sordida</i> (Hemiptera: Triatominae). <i>Genetics and Molecular Research</i> , 2013, 12, 5810-5819.	0.3	4
46	Calcium Imaging of Living Astrocytes in the Mouse Spinal Cord following Sensory Stimulation. <i>Neural Plasticity</i> , 2012, 2012, 1-6.	1.0	23
47	Methylphenidate administration determines enduring changes in neuroglial network in rats. <i>European Neuropsychopharmacology</i> , 2012, 22, 53-63.	0.3	23
48	Neuropathic pain and reactive gliosis are reversed by dialdehydic compound in neuropathic pain rat models. <i>Neuroscience Letters</i> , 2012, 530, 85-90.	1.0	10
49	Identifying the default-mode component in spatial IC analyses of patients with disorders of consciousness. <i>Human Brain Mapping</i> , 2012, 33, 778-796.	1.9	128
50	BB14, a Nerve Growth Factor (NGF)-like peptide shown to be effective in reducing reactive astroglialosis and restoring synaptic homeostasis in a rat model of peripheral nerve injury. <i>Biotechnology Advances</i> , 2012, 30, 223-232.	6.0	41
51	Targeting reactive astroglialosis by novel biotechnological strategies. <i>Biotechnology Advances</i> , 2012, 30, 261-271.	6.0	42
52	Multimodal neuroimaging in patients with disorders of consciousness showing "functional hemispherectomy". <i>Progress in Brain Research</i> , 2011, 193, 323-333.	0.9	44
53	Reactive astrocytosis-induced perturbation of synaptic homeostasis is restored by nerve growth factor. <i>Neurobiology of Disease</i> , 2011, 41, 630-639.	2.1	50
54	Crosstalk between cell cycle induction and mitochondrial dysfunction during oxidative stress and nerve growth factor withdrawal in differentiated PC12 cells. <i>Journal of Neuroscience Research</i> , 2011, 89, 1302-1315.	1.3	18

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55	Resting state activity in patients with disorders of consciousness. <i>Functional Neurology</i> , 2011, 26, 37-43.	1.3	57
56	Intrathecal NGF Administration Reduces Reactive Astrocytosis and Changes Neurotrophin Receptors Expression Pattern in a Rat Model of Neuropathic Pain. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 51-62.	1.7	67
57	fMRI default mode connectivity in vegetative state and locked-in syndrome patients. <i>Critical Care</i> , 2010, 14, P352.	2.5	0
58	Discriminative behavioral assessment unveils remarkable reactive astrocytosis and early molecular correlates in basal ganglia of 3-nitropropionic acid subchronic treated rats. <i>Neurochemistry International</i> , 2010, 56, 152-160.	1.9	31
59	Reaching across the abyss: recent advances in functional magnetic resonance imaging and their potential relevance to disorders of consciousness. <i>Progress in Brain Research</i> , 2009, 177, 261-274.	0.9	45
60	Neonatal separation stress reduces glial fibrillary acidic protein and S100 $\beta$ immunoreactive astrocytes in the rat medial precentral cortex. <i>Developmental Neurobiology</i> , 2009, 69, 203-211.	1.5	50
61	Methylphenidate to adolescent rats drives enduring changes of accumbal Htr7 expression: implications for impulsive behavior and neuronal morphology. <i>Genes, Brain and Behavior</i> , 2009, 8, 356-368.	1.1	66
62	A New Nerve Growth Factor-Mimetic Peptide Active on Neuropathic Pain in Rats. <i>Journal of Neuroscience</i> , 2008, 28, 2698-2709.	1.7	107
63	Opposing Control of Cannabinoid Receptor Stimulation on Amyloid- $\beta$ -Induced Reactive Gliosis: In Vitro and in Vivo Evidence. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 1144-1152.	1.3	72
64	Gliosis alters expression and uptake of spinal glial amino acid transporters in a mouse neuropathic pain model. <i>Neuron Glia Biology</i> , 2007, 3, 141-153.	2.0	55
65	Reactive astrocytosis and glial glutamate transporter clustering are early changes in a spinocerebellar ataxia type 1 transgenic mouse model. <i>Neuron Glia Biology</i> , 2007, 3, 335-351.	2.0	26
66	Rapamycin control of transgene expression from a single AAV vector in mouse salivary glands. <i>Gene Therapy</i> , 2006, 13, 187-190.	2.3	26
67	Genetically modified pigs produced with a nonviral episomal vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17672-17677.	3.3	99
68	Multi-transgenic pigs expressing three fluorescent proteins produced with high efficiency by sperm mediated gene transfer. <i>Molecular Reproduction and Development</i> , 2005, 72, 68-76.	1.0	72
69	Fibrillogenesis and Cytotoxic Activity of the Amyloid-forming Apomyoglobin Mutant W7FW14F. <i>Journal of Biological Chemistry</i> , 2004, 279, 13183-13189.	1.6	68
70	Early ionic and membrane potential changes caused by the pesticide rotenone in striatal cholinergic interneurons. <i>Experimental Neurology</i> , 2004, 185, 169-181.	2.0	20
71	Neuronal vulnerability following inhibition of mitochondrial complex II: a possible ionic mechanism for Huntington's disease. <i>Molecular and Cellular Neurosciences</i> , 2004, 25, 9-20.	1.0	47
72	Differential expression of the Na <sup>+</sup> -Ca <sup>2+</sup> exchanger transcripts and proteins in rat brain regions. <i>Journal of Comparative Neurology</i> , 2003, 461, 31-48.	0.9	106

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73	Expression pattern of the ether-a-gogo-related (ERG) k <sup>+</sup> channel-encoding genes ERG1, ERG2, and ERG3 in the adult rat central nervous system. <i>Journal of Comparative Neurology</i> , 2003, 466, 119-135.	0.9	95
74	Tryptophanyl Substitutions in Apomyoglobin Determine Protein Aggregation and Amyloid-like Fibril Formation at Physiological pH. <i>Journal of Biological Chemistry</i> , 2002, 277, 45887-45891.	1.6	40
75	A rostro-caudal dissociation in the dorsal and ventral striatum of the juvenile SHR suggests an anterior hypo- and a posterior hyperfunctioning mesocorticolimbic system. <i>Behavioural Brain Research</i> , 2002, 130, 171-179.	1.2	51
76	Brain Distribution of the Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger-encoding Genes NCX1, NCX2, and NCX3 and Their Related Proteins in the Central Nervous System. <i>Annals of the New York Academy of Sciences</i> , 2002, 976, 394-404.	1.8	76
77	Tissue-transglutaminase in rat and human brain: light and electron immunocytochemical analysis and in situ hybridization study. <i>Brain Research Bulletin</i> , 2001, 56, 173-182.	1.4	36
78	Remodeling of neural networks in the anterior forebrain of an animal model of hyperactivity and attention deficits as monitored by molecular imaging probes. <i>Neuroscience and Biobehavioral Reviews</i> , 2000, 24, 149-156.	2.9	108
79	Differential distribution, affinity and plasticity of dopamine D-1 and D-2 receptors in the target sites of the mesolimbic system in an animal model of ADHD. <i>Behavioural Brain Research</i> , 1998, 94, 173-185.	1.2	95
80	Reduced transduction mechanisms in the anterior accumbal interface of an animal model of Attention-Deficit Hyperactivity Disorder. <i>Behavioural Brain Research</i> , 1998, 94, 187-195.	1.2	34
81	A quantitative cytochrome oxidase mapping study, cross-regional and neurobehavioural correlations in the anterior forebrain of an animal model of Attention Deficit Hyperactivity Disorder. <i>Behavioural Brain Research</i> , 1998, 94, 197-211.	1.2	26
82	Functional Imaging Probes to Study the Neural Bases of Behavior in Genetic Animal Models of ADHD. , 1998, , 145-169.		0
83	Differential expression of transcription factors in the accumbens of an animal model of ADHD. <i>NeuroReport</i> , 1997, 8, 1607-1612.	0.6	22
84	Morphological plasticity in dendritic spines of cultured hippocampal neurons. <i>Neuroscience</i> , 1996, 71, 1005-1011.	1.1	114
85	Reduced CaMKII-positive neurones in the accumbens shell of an animal model of Attention-Deficit Hyperactivity disorder. <i>NeuroReport</i> , 1996, 7, 3017-3020.	0.6	25
86	Morphological analysis of dendritic spine development in primary cultures of hippocampal neurons. <i>Journal of Neuroscience</i> , 1995, 15, 1-11.	1.7	315
87	In vivo functional analysis of the mouse estrogen receptor gene promoter: a transgenic mouse model to study tissue-specific and developmental regulation of estrogen receptor gene transcription.. <i>Molecular Endocrinology</i> , 1995, 9, 1077-1090.	3.7	26
88	Immediate early genes and brain DNA remodeling in the Naples High- and Low-excitability rat lines following exposure to a spatial novelty. <i>Brain Research Bulletin</i> , 1995, 37, 111-118.	1.4	26
89	Distributed changes in c-Fos and c-Jun immunoreactivity in the rat brain associated with arousal and habituation to novelty. <i>Brain Research Bulletin</i> , 1993, 32, 509-515.	1.4	95
90	Estrogen induces c-fos expression specifically in the luminal and glandular epithelia of adult rat uterus. <i>Biochemical and Biophysical Research Communications</i> , 1991, 175, 480-485.	1.0	54

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91	Neuroanatomical and biochemical evidence for the involvement of the area postrema in the regulation of vasopressin release in rats. <i>Brain Research</i> , 1988, 447, 178-182.	1.1	36
92	Selective damage of neuron perikarya in the medial septum of the rat forebrain: effects on food and water intake, urine output and body weight. <i>Neuroscience Research</i> , 1988, 6, 76-82.	1.0	8