

Mario Dorostkar

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,535
citations

172457

29
h-index

206112

48
g-index

69
all docs

69
docs citations

69
times ranked

4472
citing authors

#	ARTICLE	IF	CITATIONS
1	A genetically encoded reporter of synaptic activity in vivo. <i>Nature Methods</i> , 2009, 6, 883-889.	19.0	202
2	Dendritic Spine Pathology in Neurodegenerative Diseases. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2016, 11, 221-250.	22.4	161
3	Analyzing dendritic spine pathology in Alzheimer's disease: problems and opportunities. <i>Acta Neuropathologica</i> , 2015, 130, 1-19.	7.7	154
4	The Ubiquitin-Specific Protease Usp4 Regulates the Cell Surface Level of the A2a Receptor. <i>Molecular Pharmacology</i> , 2006, 69, 1083-1094.	2.3	122
5	Physical and Functional Interaction between the Dopamine Transporter and the Synaptic Vesicle Protein Synaptogyrin-3. <i>Journal of Neuroscience</i> , 2009, 29, 4592-4604.	3.6	115
6	The brain-specific double-stranded RNA-binding protein Stauf2 is required for dendritic spine morphogenesis. <i>Journal of Cell Biology</i> , 2006, 172, 221-231.	5.2	95
7	Serotonin-transporter mediated efflux: A pharmacological analysis of amphetamines and non-amphetamines. <i>Neuropharmacology</i> , 2005, 49, 811-819.	4.1	93
8	Computational processing of optical measurements of neuronal and synaptic activity in networks. <i>Journal of Neuroscience Methods</i> , 2010, 188, 141-150.	2.5	91
9	In vivo multiphoton imaging reveals gradual growth of newborn amyloid plaques over weeks. <i>Acta Neuropathologica</i> , 2011, 121, 327-335.	7.7	86
10	Loss of neuronal GSK3 β reduces dendritic spine stability and attenuates excitatory synaptic transmission via β -catenin. <i>Molecular Psychiatry</i> , 2015, 20, 482-489.	7.9	80
11	Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1 Inhibition Impairs Synaptic Plasticity via Seizure Protein 6. <i>Biological Psychiatry</i> , 2018, 83, 428-437.	1.3	80
12	Amyloid plaque formation precedes dendritic spine loss. <i>Acta Neuropathologica</i> , 2012, 124, 797-807.	7.7	77
13	Two Discontinuous Segments in the Carboxyl Terminus Are Required for Membrane Targeting of the Rat β -Aminobutyric Acid Transporter-1 (GAT1). <i>Journal of Biological Chemistry</i> , 2004, 279, 28553-28563.	3.4	73
14	BACE1 inhibition more effectively suppresses initiation than progression of β -amyloid pathology. <i>Acta Neuropathologica</i> , 2018, 135, 695-710.	7.7	64
15	In vivo imaging reveals sigmoidal growth kinetic of β -amyloid plaques. <i>Acta Neuropathologica Communications</i> , 2014, 2, 30.	5.2	57
16	Neuroinflammation impairs adaptive structural plasticity of dendritic spines in a preclinical model of Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016, 131, 235-246.	7.7	53
17	Intraneuronal APP and extracellular A β independently cause dendritic spine pathology in transgenic mouse models of Alzheimer's disease. <i>Acta Neuropathologica</i> , 2015, 129, 909-920.	7.7	49
18	High plasticity of axonal pathology in Alzheimer's disease mouse models. <i>Acta Neuropathologica Communications</i> , 2017, 5, 14.	5.2	48

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19	Amyloid precursor protein maintains constitutive and adaptive plasticity of dendritic spines in adult brain by regulating Dâ€serine homeostasis. <i>EMBO Journal</i> , 2016, 35, 2213-2222.	7.8	46
20	Concomitant facilitation of GABA_A receptors and K_V7 channels by the nonâ€opioid analgesic flupirtine. <i>British Journal of Pharmacology</i> , 2012, 166, 1631-1642.	5.4	45
21	Impaired plasticity of cortical dendritic spines in P301S tau transgenic mice. <i>Acta Neuropathologica Communications</i> , 2013, 1, 82.	5.2	43
22	Molecular characterization of histopathological ependymoma variants. <i>Acta Neuropathologica</i> , 2020, 139, 305-318.	7.7	43
23	Autoinhibition of transmitter release from PC12 cells and sympathetic neurons through a P2Y12 receptor-mediated inhibition of voltage-gated Ca ²⁺ channels. <i>European Journal of Neuroscience</i> , 2004, 20, 2917-2928.	2.6	42
24	A mouse model for embryonal tumors with multilayered rosettes uncovers the therapeutic potential of Sonic-hedgehog inhibitors. <i>Nature Medicine</i> , 2017, 23, 1191-1202.	30.7	38
25	The Role of APP in Structural Spine Plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 136.	2.9	38
26	Constitutive activation of β -Catenin in neural progenitors results in disrupted proliferation and migration of neurons within the central nervous system. <i>Developmental Biology</i> , 2013, 374, 319-332.	2.0	37
27	Immunotherapy alleviates amyloid-associated synaptic pathology in an Alzheimerâ€™s disease mouse model. <i>Brain</i> , 2014, 137, 3319-3326.	7.6	36
28	Early and Longitudinal Microglial Activation but Not Amyloid Accumulation Predicts Cognitive Outcome in PS2APP Mice. <i>Journal of Nuclear Medicine</i> , 2019, 60, 548-554.	5.0	36
29	Distinct Histomorphology in Molecular Subgroups of Glioblastomas in Young Patients. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 408-414.	1.7	35
30	Long-term diazepam treatment enhances microglial spine engulfment and impairs cognitive performance via the mitochondrial 18â€kDa translocator protein (TSPO). <i>Nature Neuroscience</i> , 2022, 25, 317-329.	14.8	29
31	Opposite effects of presynaptic 5-HT ₃ receptor activation on spontaneous and action potential-evoked GABA release at hippocampal synapses. <i>Journal of Neurochemistry</i> , 2007, 100, 395-405.	3.9	26
32	Pathological β -synuclein impairs adult-born granule cell development and functional integration in the olfactory bulb. <i>Nature Communications</i> , 2014, 5, 3915.	12.8	22
33	β Subunitâ€containing GABA_A receptors are preferred targets for the centrally acting analgesic flupirtine. <i>British Journal of Pharmacology</i> , 2015, 172, 4946-4958.	5.4	22
34	Presynaptic Ionotropic Receptors. <i>Handbook of Experimental Pharmacology</i> , 2008, , 479-527.	1.8	22
35	Chip-on-the-tip compact flexible endoscopic epifluorescence video-microscope for in-vivo imaging in medicine and biomedical research. <i>Biomedical Optics Express</i> , 2017, 8, 3329.	2.9	21
36	Tcf4 regulates dendritic spine density and morphology in the adult brain. <i>PLoS ONE</i> , 2018, 13, e0199359.	2.5	21

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37	Translocator protein (18kDa) TSPO: a new diagnostic or therapeutic target for stress-related disorders?. <i>Molecular Psychiatry</i> , 2022, 27, 2918-2926.	7.9	21
38	Mutations within FGFR1 are associated with superior outcome in a series of 83 diffuse midline gliomas with H3F3A K27M mutations. <i>Acta Neuropathologica</i> , 2021, 141, 323-325.	7.7	20
39	Modulation of Transmitter Release Via Presynaptic Ligand-Gated Ion Channels. <i>Current Molecular Pharmacology</i> , 2008, 1, 106-129.	1.5	19
40	4D in vivo 2-photon laser scanning fluorescence microscopy with sample motion in 6 degrees of freedom. <i>Journal of Neuroscience Methods</i> , 2011, 200, 47-53.	2.5	14
41	Early defects in translation elongation factor 1 \pm levels at excitatory synapses in 1 \pm -synucleinopathy. <i>Acta Neuropathologica</i> , 2019, 138, 971-986.	7.7	14
42	L-type amino acid transporter (LAT) 1 expression in 18F-FET-negative gliomas. <i>EJNMMI Research</i> , 2021, 11, 124.	2.5	13
43	Pre-therapeutic microglia activation and sex determine therapy effects of chronic immunomodulation. <i>Theranostics</i> , 2021, 11, 8964-8976.	10.0	12
44	Neurofibromatosis type 2 predisposes to ependymomas of various localization, histology, and molecular subtype. <i>Acta Neuropathologica</i> , 2021, 141, 971-974.	7.7	12
45	Extent and prognostic value of MGMT promotor methylation in glioma WHO grade II. <i>Scientific Reports</i> , 2020, 10, 19758.	3.3	11
46	Molecular diagnostics helps to identify distinct subgroups of spinal astrocytomas. <i>Acta Neuropathologica Communications</i> , 2021, 9, 119.	5.2	11
47	Multifocal high-grade glioma radiotherapy safety and efficacy. <i>Radiation Oncology</i> , 2021, 16, 165.	2.7	11
48	Comprehensive profiling of myxopapillary ependymomas identifies a distinct molecular subtype with relapsing disease. <i>Neuro-Oncology</i> , 2022, 24, 1689-1699.	1.2	11
49	The Neurokinin-1 Receptor Is a Target in Pediatric Rhabdoid Tumors. <i>Current Oncology</i> , 2022, 29, 94-110.	2.2	10
50	K27M midline gliomas display malignant progression by imaging and histology. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 458-462.	3.2	9
51	Neurosarcoidosis Mimics High-Grade Glioma in Dynamic 18F-FET PET Due to LAT Expression. <i>Clinical Nuclear Medicine</i> , 2018, 43, 840-841.	1.3	7
52	The non-opioid analgesic flupirtine is a modulator of GABAA receptors involved in pain sensation. <i>BMC Pharmacology</i> , 2008, 8, .	0.4	6
53	Chronic PPAR γ Stimulation Shifts Amyloidosis to Higher Fibrillarity but Improves Cognition. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 854031.	3.4	5
54	Extent, pattern, and prognostic value of MGMT promotor methylation: does it differ between glioblastoma and IDH-wildtype/TERT-mutated astrocytoma?. <i>Journal of Neuro-Oncology</i> , 2022, 156, 317-327.	2.9	5

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55	Arc illuminates Alzheimer's pathophysiology. <i>Nature Neuroscience</i> , 2012, 15, 1323-1325.	14.8	4
56	Miliary pattern of brain metastases – a case report of a hyperacute onset in a patient with malignant melanoma documented by magnetic resonance imaging. <i>Radiation Oncology</i> , 2015, 10, 148.	2.7	4
57	PATH-16. HISTOPATHOLOGICAL EPENDYMOMA VARIANTS ARE ASSOCIATED WITH DISTINCT CLINICAL PARAMETERS AND DNA METHYLATION PATTERNS. <i>Neuro-Oncology</i> , 2019, 21, vi146-vi146.	1.2	1
58	Subventricular zone involvement is associated with worse outcome in glioma WHO grade 2 depending on molecular markers. <i>Scientific Reports</i> , 2021, 11, 20045.	3.3	1
59	BIOM-15. SUBVENTRICULAR ZONE INVOLVEMENT IS ASSOCIATED WITH WORSE OUTCOME IN GLIOMA WHO GRADE II INDEPENDENT OF MOLECULAR MARKERS. <i>Neuro-Oncology</i> , 2020, 22, ii4-ii5.	1.2	1
60	Flupirtine Modulates both KCNQ K+ Channels and GABAA Receptors in Hippocampal Neurons. <i>Biophysical Journal</i> , 2010, 98, 142a.	0.5	0
61	NIMG-41. NON-INVASIVE DETECTION OF IDH-WILDTYPE GENOTYPE IN GLIOMAS USING DYNAMIC 18F-FET-PET. <i>Neuro-Oncology</i> , 2018, 20, vi185-vi185.	1.2	0
62	PATH-39. ASTROCYTOMA OF THE SPINAL CORD: A GENETIC CHARACTERIZATION AFTER MICROSURGICAL RESECTION. <i>Neuro-Oncology</i> , 2018, 20, vi167-vi167.	1.2	0
63	PATH-34. MOLECULAR AND CLINICAL HETEROGENEITY WITHIN SPINAL EPENDYMOMAS. <i>Neuro-Oncology</i> , 2021, 23, vi122-vi122.	1.2	0
64	PATH-32. EXTENT, PATTERN, AND PROGNOSTIC VALUE OF MGMT PROMOTOR METHYLATION: DOES IT DIFFER BETWEEN GLIOBLASTOMA AND IDH-WILDTYPE/TERT-MUTATED ASTROCYTOMA?. <i>Neuro-Oncology</i> , 2021, 23, vi122-vi122.	1.2	0
65	PATH-28. EXTENT AND PROGNOSTIC VALUE OF MGMT PROMOTOR METHYLATION DEPEND ON IDH MUTATION AND 1p19q CO-DELETION IN GLIOMA WHO GRADE II. <i>Neuro-Oncology</i> , 2020, 22, ii170-ii170.	1.2	0
66	Molecular Tumor Board Case Report: Anaplastic pleomorphic xanthoastrocytoma with epithelioid morphology misdiagnosed and treated as melanoma. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac009.	0.7	0