

# Marco Morsch

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,514  
citations

279487

23  
h-index

360668

35  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2209  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo characterization of microglial engulfment of dying neurons in the zebrafish spinal cord. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 321.	1.8	91
2	The established and emerging roles of astrocytes and microglia in amyotrophic lateral sclerosis and frontotemporal dementia. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 414.	1.8	90
3	Brain-Targeted Aggregation-Induced Emission Nanoparticles with Near-Infrared Imaging at 1550Ånm Boosts Orthotopic Glioblastoma Theranostics. <i>Advanced Materials</i> , 2022, 34, e2106082.	11.1	75
4	Nucleo-cytoplasmic transport of TDP-43 studied in real time: impaired microglia function leads to axonal spreading of TDP-43 in degenerating motor neurons. <i>Acta Neuropathologica</i> , 2018, 136, 445-459.	3.9	66
5	Pyridostigmine but not 3,4-diaminopyridine exacerbates ACh receptor loss and myasthenia induced in mice by muscle-specific kinase autoantibody. <i>Journal of Physiology</i> , 2013, 591, 2747-2762.	1.3	63
6	Sequence of Age-Associated Changes to the Mouse Neuromuscular Junction and the Protective Effects of Voluntary Exercise. <i>PLoS ONE</i> , 2013, 8, e67970.	1.1	63
7	Muscle Specific Kinase: Organiser of synaptic membrane domains. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 295-298.	1.2	60
8	A Tol2 Gateway-Compatible Toolbox for the Study of the Nervous System and Neurodegenerative Disease. <i>Zebrafish</i> , 2017, 14, 69-72.	0.5	56
9	Improving the Delivery of SOD1 Antisense Oligonucleotides to Motor Neurons Using Calcium Phosphate-Lipid Nanoparticles. <i>Frontiers in Neuroscience</i> , 2017, 11, 476.	1.4	53
10	Muscle specific kinase autoantibodies cause synaptic failure through progressive wastage of postsynaptic acetylcholine receptors. <i>Experimental Neurology</i> , 2012, 237, 286-295.	2.0	50
11	DNA nanoclew templated spherical nucleic acids for siRNA delivery. <i>Chemical Communications</i> , 2018, 54, 3609-3612.	2.2	50
12	Modulation of the Ca <sup>2+</sup> conductance of nicotinic acetylcholine receptors by Lypd6. <i>European Neuropsychopharmacology</i> , 2009, 19, 670-681.	0.3	49
13	Expression of ALS/FTD-linked mutant CCNF in zebrafish leads to increased cell death in the spinal cord and an aberrant motor phenotype. <i>Human Molecular Genetics</i> , 2017, 26, 2616-2626.	1.4	44
14	Pathogenic mutation in the ALS/FTD gene, CCNF, causes elevated Lys48-linked ubiquitylation and defective autophagy. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 335-354.	2.4	44
15	Effects of the Å2-Adrenoceptor Agonist, Albuterol, in a Mouse Model of Anti-MuSK Myasthenia Gravis. <i>PLoS ONE</i> , 2014, 9, e87840.	1.1	44
16	Electrophysiological analysis of neuromuscular synaptic function in myasthenia gravis patients and animal models. <i>Experimental Neurology</i> , 2015, 270, 41-54.	2.0	43
17	Real-time visualization of oxidative stress-mediated neurodegeneration of individual spinal motor neurons in vivo. <i>Redox Biology</i> , 2018, 19, 226-234.	3.9	41
18	Brain-Targeted Codelivery of Bcl-2/Bcl-xl and Mcl-1 Inhibitors by Biomimetic Nanoparticles for Orthotopic Glioblastoma Therapy. <i>ACS Nano</i> , 2022, 16, 6293-6308.	7.3	40

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19	Muscle-specific kinase (MuSK) autoantibodies suppress the MuSK pathway and ACh receptor retention at the mouse neuromuscular junction. <i>Journal of Physiology</i> , 2014, 592, 2881-2897.	1.3	29
20	Casein kinase II phosphorylation of cyclin F at serine 621 regulates the Lys48-ubiquitylation E3 ligase activity of the SCF (cyclin F) complex. <i>Open Biology</i> , 2017, 7, 170058.	1.5	29
21	Polymeric nanoparticle mediated inhibition of miR-21 with enhanced miR-124 expression for combinatorial glioblastoma therapy. <i>Biomaterials</i> , 2021, 276, 121036.	5.7	29
22	Clinical and scientific aspects of muscle-specific tyrosine kinase-related myasthenia gravis. <i>Current Opinion in Neurology</i> , 2014, 27, 558-565.	1.8	26
23	The Neuromuscular Junction: Measuring Synapse Size, Fragmentation and Changes in Synaptic Protein Density Using Confocal Fluorescence Microscopy. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	24
24	The effects of high-fat feeding on physical function and skeletal muscle extracellular matrix. <i>Nutrition and Diabetes</i> , 2015, 5, e187-e187.	1.5	24
25	Multifunctional Hybrid Nanoparticles for Traceable Drug Delivery and Intracellular Microenvironment- Controlled Multistage Drug-Release in Neurons. <i>Small</i> , 2017, 13, 1603966.	5.2	21
26	Using proteomics to identify ubiquitin ligase-substrate pairs: how novel methods may unveil therapeutic targets for neurodegenerative diseases. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2499-2510.	2.4	18
27	Utility and reliability of non-invasive muscle function tests in high-fat-fed mice. <i>Experimental Physiology</i> , 2017, 102, 773-778.	0.9	17
28	Aurora kinase B regulates axonal outgrowth and regeneration in the spinal motor neurons of developing zebrafish. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4269-4285.	2.4	17
29	Cannabinoid-induced increase of quantal size and enhanced neuromuscular transmission. <i>Scientific Reports</i> , 2018, 8, 4685.	1.6	17
30	ALS/FTD-causing mutation in cyclin F causes the dysregulation of SFPQ. <i>Human Molecular Genetics</i> , 2021, 30, 971-984.	1.4	16
31	Nanotechnology-Based Strategies for Early Diagnosis of Central Nervous System Disorders. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100008.	1.7	16
32	Riluzole does not ameliorate disease caused by cytoplasmic TDP43 in a mouse model of amyotrophic lateral sclerosis. <i>European Journal of Neuroscience</i> , 2021, 54, 6237-6255.	1.2	15
33	Ultrastructural Mapping of the Zebrafish Gastrointestinal System as a Basis for Experimental Drug Studies. <i>BioMed Research International</i> , 2016, 2016, 1-13.	0.9	14
34	Forced expression of muscle specific kinase slows postsynaptic acetylcholine receptor loss in a mouse model of MuSK myasthenia gravis. <i>Physiological Reports</i> , 2015, 3, e12658.	0.7	13
35	A versatile upconversion surface evaluation platform for bio-nano surface selection for the nervous system. <i>Nanoscale</i> , 2017, 9, 13683-13692.	2.8	13
36	Triggering Cell Stress and Death Using Conventional UV Laser Confocal Microscopy. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	13

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37	Cytokine Signalling at the Microglial Penta-Partite Synapse. International Journal of Molecular Sciences, 2021, 22, 13186.	1.8	13
38	Unbiased Label-Free Quantitative Proteomics of Cells Expressing Amyotrophic Lateral Sclerosis (ALS) Mutations in CcNF Reveals Activation of the Apoptosis Pathway: A Workflow to Screen Pathogenic Gene Mutations. Frontiers in Molecular Neuroscience, 2021, 14, 627740.	1.4	12
39	Muscle specific kinase protects dystrophic mdx mouse muscles from eccentric contraction-induced loss of force-producing capacity. Journal of Physiology, 2019, 597, 4831-4850.	1.3	11
40	Splicing factor proline and glutamine rich intron retention, reduced expression and aggregate formation are pathological features of amyotrophic lateral sclerosis. Neuropathology and Applied Neurobiology, 2021, 47, 990-1003.	1.8	11
41	TDP-43 is a ubiquitylation substrate of the SCFcyclin F complex. Neurobiology of Disease, 2022, 167, 105673.	2.1	11
42	Aspect Ratio of PEGylated Upconversion Nanocrystals Affects the Cellular Uptake In Vitro and In Vivo. Acta Biomaterialia, 2022, 147, 403-413.	4.1	11
43	Selective Spatiotemporal Vulnerability of Central Nervous System Neurons to Pathologic TAR DNA-Binding Protein 43 in Aged Transgenic Mice. American Journal of Pathology, 2018, 188, 1447-1456.	1.9	8
44	The mouse passive-transfer model of MuSK myasthenia gravis: disrupted MuSK signaling causes synapse failure. Annals of the New York Academy of Sciences, 2018, 1412, 54-61.	1.8	8
45	Albumin uptake and distribution in the zebrafish liver as observed via correlative imaging. Experimental Cell Research, 2019, 374, 162-171.	1.2	8
46	A Robust Intrinsically Green Fluorescent Poly(Amidoamine) Dendrimer for Imaging and Traceable Central Nervous System Delivery in Zebrafish. Small, 2020, 16, 2003654.	5.2	8
47	Observation and characterisation of macrophages in zebrafish liver. Micron, 2020, 132, 102851.	1.1	7
48	Relocation is the key to successful correlative fluorescence and scanning electron microscopy. Methods in Cell Biology, 2017, 140, 215-244.	0.5	5
49	In vivo Validation of Bimolecular Fluorescence Complementation (BiFC) to Investigate Aggregate Formation in Amyotrophic Lateral Sclerosis (ALS). Molecular Neurobiology, 2021, 58, 2061-2074.	1.9	5
50	Enhanced Antioxidant Effects of the Anti-Inflammatory Compound Probucol When Released from Mesoporous Silica Particles. Pharmaceutics, 2022, 14, 502.	2.0	5
51	Assessment of neuro-muscular function tests in mouse models of obesity and diabetes. Journal of the Neurological Sciences, 2015, 357, e203.	0.3	0
52	Foreword to the special issue on zebrafish imaging: Emerging techniques and methodologies. Micron, 2020, 136, 102877.	1.1	0