

Nathan P Staff

List of Publications by Year in descending order

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89
papers

5,007
citations

117571

34
h-index

98753

67
g-index

90
all docs

90
docs citations

90
times ranked

6743
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendritic spikes as a mechanism for cooperative long-term potentiation. <i>Nature</i> , 2002, 418, 326-331.	13.7	582
2	Chemotherapy-induced peripheral neuropathy: A current review. <i>Annals of Neurology</i> , 2017, 81, 772-781.	2.8	506
3	Cisplatin induced Mitochondrial DNA damage in dorsal root ganglion neurons. <i>Neurobiology of Disease</i> , 2011, 41, 661-668.	2.1	252
4	Neurological Complications Associated With Anti-Programmed Death 1 (PD-1) Antibodies. <i>JAMA Neurology</i> , 2017, 74, 1216.	4.5	244
5	Amyotrophic Lateral Sclerosis: An Update for 2018. <i>Mayo Clinic Proceedings</i> , 2018, 93, 1617-1628.	1.4	227
6	Clinical Course of Oxaliplatin-Induced Neuropathy: Results From the Randomized Phase III Trial N08CB (Alliance). <i>Journal of Clinical Oncology</i> , 2015, 33, 3416-3422.	0.8	216
7	Post-surgical inflammatory neuropathy. <i>Brain</i> , 2010, 133, 2866-2880.	3.7	203
8	Resting and Active Properties of Pyramidal Neurons in Subiculum and CA1 of Rat Hippocampus. <i>Journal of Neurophysiology</i> , 2000, 84, 2398-2408.	0.9	185
9	Pathogenesis of paclitaxel-induced peripheral neuropathy: A current review of in vitro and in vivo findings using rodent and human model systems. <i>Experimental Neurology</i> , 2020, 324, 113121.	2.0	118
10	Mesenchymal Stromal Cell Therapies for Neurodegenerative Diseases. <i>Mayo Clinic Proceedings</i> , 2019, 94, 892-905.	1.4	112
11	Incidence and disease burden of chemotherapy-induced peripheral neuropathy in a population-based cohort. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 636-641.	0.9	109
12	Action Potential Bursting in Subicular Pyramidal Neurons Is Driven by a Calcium Tail Current. <i>Journal of Neuroscience</i> , 2001, 21, 3312-3321.	1.7	107
13	Diabetic cervical radiculoplexus neuropathy: a distinct syndrome expanding the spectrum of diabetic radiculoplexus neuropathies. <i>Brain</i> , 2012, 135, 3074-3088.	3.7	103
14	NurOwn, phase 2, randomized, clinical trial in patients with ALS. <i>Neurology</i> , 2019, 93, e2294-e2305.	1.5	95
15	Safety of intrathecal autologous adipose-derived mesenchymal stromal cells in patients with ALS. <i>Neurology</i> , 2016, 87, 2230-2234.	1.5	93
16	Bortezomib alters microtubule polymerization and axonal transport in rat dorsal root ganglion neurons. <i>NeuroToxicology</i> , 2013, 39, 124-131.	1.4	88
17	Association of Long-term Opioid Therapy With Functional Status, Adverse Outcomes, and Mortality Among Patients With Polyneuropathy. <i>JAMA Neurology</i> , 2017, 74, 773.	4.5	80
18	Multiple Sclerosis With Predominant, Severe Cognitive Impairment. <i>Archives of Neurology</i> , 2009, 66, 1139-43.	4.9	79

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19	Impairments and comorbidities of polyneuropathy revealed by population-based analyses. <i>Neurology</i> , 2015, 84, 1644-1651.	1.5	77
20	Platinum-induced peripheral neurotoxicity: From pathogenesis to treatment. <i>Journal of the Peripheral Nervous System</i> , 2019, 24, S26-S39.	1.4	74
21	Autonomic system and amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2015, 51, 676-679.	1.0	68
22	Comparison of oxaliplatin and paclitaxel-induced neuropathy (Alliance A151505). <i>Supportive Care in Cancer</i> , 2016, 24, 5059-5068.	1.0	67
23	Comprehensive immune profiling reveals substantial immune system alterations in a subset of patients with amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2017, 12, e0182002.	1.1	65
24	Addressing heterogeneity in amyotrophic lateral sclerosis CLINICAL TRIALS. <i>Muscle and Nerve</i> , 2020, 62, 156-166.	1.0	60
25	The current state of electrocorticography-based brain-computer interfaces. <i>Neurosurgical Focus</i> , 2020, 49, E2.	1.0	60
26	Intracellular correlate of EPSP-spike potentiation in CA1 pyramidal neurons is controlled by GABAergic modulation. <i>Hippocampus</i> , 2003, 13, 801-805.	0.9	59
27	Assessing Decreased Sensation and Increased Sensory Phenomena in Diabetic Polyneuropathies. <i>Diabetes</i> , 2013, 62, 3677-3686.	0.3	59
28	Candidate pathway-based genetic association study of platinum and platinum-taxane related toxicity in a cohort of primary lung cancer patients. <i>Journal of the Neurological Sciences</i> , 2015, 349, 124-128.	0.3	55
29	Biological predictors of chemotherapy-induced peripheral neuropathy (CIPN): MASCC neurological complications working group overview. <i>Supportive Care in Cancer</i> , 2019, 27, 3729-3737.	1.0	53
30	A pilot study of minocycline for the prevention of paclitaxel-associated neuropathy: ACCRU study RU221408I. <i>Supportive Care in Cancer</i> , 2017, 25, 3407-3416.	1.0	45
31	<i>Drosophila melanogaster</i> : A new model to study cisplatin-induced neurotoxicity. <i>Neurobiology of Disease</i> , 2011, 43, 330-337.	2.1	44
32	Chronic meralgia paresthetica and neurectomy. <i>Neurology</i> , 2014, 82, 1551-1555.	1.5	43
33	A randomized placebo-controlled phase 3 study of mesenchymal stem cells induced to secrete high levels of neurotrophic factors in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2022, 65, 291-302.	1.0	41
34	Peripheral Neuropathy Due to Vitamin Deficiency, Toxins, and Medications. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2014, 20, 1293-1306.	0.4	40
35	Chemotherapy-induced peripheral neurotoxicity: A multifaceted, still unsolved issue. <i>Journal of the Peripheral Nervous System</i> , 2019, 24, S6-S12.	1.4	37
36	Psychostimulant-Induced Plasticity of Intrinsic Neuronal Excitability in Ventral Subiculum. <i>Journal of Neuroscience</i> , 2003, 23, 9937-9946.	1.7	34

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37	Vinca alkaloids, thalidomide and eribulin-induced peripheral neurotoxicity: From pathogenesis to treatment. <i>Journal of the Peripheral Nervous System</i> , 2019, 24, S63-S73.	1.4	32
38	Toward allele-specific targeting therapy and pharmacodynamic marker for spinocerebellar ataxia type 3. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	32
39	Magnetic resonance imaging abnormalities of peripheral nerve and muscle are common in amyotrophic lateral sclerosis and share features with multifocal motor neuropathy. <i>Muscle and Nerve</i> , 2015, 52, 137-139.	1.0	30
40	Ipsilateral Inflammatory Neuropathy After Hip Surgery. <i>Mayo Clinic Proceedings</i> , 2014, 89, 454-461.	1.4	29
41	Modeling chemotherapy induced peripheral neuropathy (CIPN) in vitro: Prospects and limitations. <i>Experimental Neurology</i> , 2020, 326, 113140.	2.0	26
42	MRI and PET imaging discordance in neurosarcoidosis. <i>Neurology</i> , 2012, 79, 1070-1070.	1.5	25
43	A safety study on intrathecal delivery of autologous mesenchymal stromal cells in rabbits directly supporting <i>hase</i> human trials. <i>Transfusion</i> , 2015, 55, 1013-1020.	0.8	25
44	Dominant collagen XII mutations cause a distal myopathy. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1980-1988.	1.7	24
45	Neurotoxicity to DRG neurons varies between rodent strains treated with cisplatin and bortezomib. <i>Journal of the Neurological Sciences</i> , 2016, 362, 131-135.	0.3	23
46	Cisplatin-associated neuropathy characteristics compared with those associated with other neurotoxic chemotherapy agents (Alliance A151724). <i>Supportive Care in Cancer</i> , 2021, 29, 833-840.	1.0	23
47	Neuropathies after surgery: Anatomical considerations of pathologic mechanisms. <i>Clinical Anatomy</i> , 2015, 28, 678-682.	1.5	22
48	Brachial Plexus Neuritis Associated With Anti-Programmed Cell Death-1 Antibodies: Report of 2 Cases. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2017, 1, 192-197.	1.2	22
49	A case of peripheral nerve microvasculitis associated with multiple myeloma and bortezomib treatment. <i>Muscle and Nerve</i> , 2012, 46, 964-970.	1.0	21
50	An automated climbing apparatus to measure chemotherapy-induced neurotoxicity in <i>Drosophila melanogaster</i> . <i>Fly</i> , 2013, 7, 187-192.	0.9	20
51	Genetic Reduction of Mitochondria Complex I Subunits is Protective against Cisplatin-Induced Neurotoxicity in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2022, 42, 922-937.	1.7	20
52	Form and Function of on-off Amacrine Cells in the Amphibian Retina. <i>Journal of Neurophysiology</i> , 2006, 95, 3171-3190.	0.9	19
53	Adult-onset respiratory insufficiency, scoliosis, and distal joint hyperlaxity in patients with multiminicore disease due to novel <i>Megf10</i> mutations. <i>Muscle and Nerve</i> , 2016, 53, 984-988.	1.0	18
54	Small Fiber Neuropathy Incidence, Prevalence, Longitudinal Impairments, and Disability. <i>Neurology</i> , 2021, 97, e2236-e2247.	1.5	18

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55	MN-166 (ibudilast) in amyotrophic lateral sclerosis in a Phase IIb/III study: COMBAT-ALS study design. <i>Neurodegenerative Disease Management</i> , 2021, 11, 431-443.	1.2	16
56	Structure and functional connections of presynaptic terminals in the vertebrate retina revealed by activity-dependent dyes and confocal microscopy. <i>Journal of Comparative Neurology</i> , 2001, 437, 129-155.	0.9	15
57	Hypertrophic nerves producing myelopathy in fulminant CIDP. <i>Neurology</i> , 2010, 75, 750-750.	1.5	12
58	Neuronal intracellular transport and neurodegenerative disease. <i>Neurology</i> , 2011, 76, 1015-1020.	1.5	12
59	Breaking Down Translation Barriers: Investigator's Perspective. <i>Science Translational Medicine</i> , 2014, 6, 252cm7.	5.8	12
60	Case-Based Learning in Translational Biomedical Research Education: Providing Realistic and Adaptive Skills for Early-Career Scientists. <i>Academic Medicine</i> , 2019, 94, 213-216.	0.8	10
61	DNA methylation patterns in human iPSC-derived sensory neuronal differentiation. <i>Epigenetics</i> , 2019, 14, 927-937.	1.3	9
62	Clinical spectrum of neuropathy after primary total knee arthroplasty: A series of 54 cases. <i>Muscle and Nerve</i> , 2019, 59, 679-682.	1.0	9
63	Academic physician specialists' views toward the unproven stem cell intervention industry: areas of common ground and divergence. <i>Cytotherapy</i> , 2021, 23, 348-356.	0.3	9
64	Postsurgical Neuropathy: A Descriptive Review. <i>Mayo Clinic Proceedings</i> , 2020, 95, 355-369.	1.4	8
65	Alterations of mesenchymal stromal cells in cerebrospinal fluid: insights from transcriptomics and an ALS clinical trial. <i>Stem Cell Research and Therapy</i> , 2021, 12, 187.	2.4	8
66	On the Association Between Fluoroquinolones and Neuropathy. <i>JAMA Neurology</i> , 2019, 76, 753.	4.5	7
67	Association between ALS and retroviruses: evidence from bioinformatics analysis. <i>BMC Bioinformatics</i> , 2019, 20, 680.	1.2	7
68	Genome editing technologies and their potential to treat neurologic disease. <i>Neurology</i> , 2017, 89, 1739-1748.	1.5	6
69	Expanded neuromuscular morbidity in Hodgkin lymphoma after radiotherapy. <i>Brain Communications</i> , 2020, 2, fcaa050.	1.5	6
70	Proteomic analysis of human iPSC-derived sensory neurons implicates cell stress and microtubule dynamics dysfunction in bortezomib-induced peripheral neurotoxicity. <i>Experimental Neurology</i> , 2021, 335, 113520.	2.0	6
71	The NEALS primary lateral sclerosis registry. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2020, 21, 74-81.	1.1	5
72	Nelarabine-Induced Myelotoxicity. <i>Neurology</i> , 2021, 96, 175-176.	1.5	5

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73	Metastatic lobular breast adenocarcinoma presenting as cauda equina syndrome. Journal of the Peripheral Nervous System, 2010, 15, 75-78.	1.4	4
74	Somatotopic heat pain thresholds and intraepidermal nerve fibers in health. Muscle and Nerve, 2018, 58, 509-516.	1.0	4
75	Academic Physician Specialistsâ€™ Approaches to Counseling Patients Interested in Unproven Stem Cell and Regenerative Therapiesâ€™ A Qualitative Analysis. Mayo Clinic Proceedings, 2021, 96, 3086-3096.	1.4	4
76	Postsurgical Inflammatory Neuropathy Should Be Considered in the Differential Diagnosis of Diaphragm Paralysis after Surgery. Anesthesiology, 2014, 120, 1057-1057.	1.3	3
77	The immune system continues to knock at the ALS door. Neuromuscular Disorders, 2016, 26, 335-336.	0.3	3
78	Safety and efficacy of transplantation of nurown (autologous mesenchymal stromal cells secreting) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 trial. Cytotherapy, 2017, 19, S23.	0.3	3
79	A treatable hypertrophic neuropathy. Practical Neurology, 2019, 19, 80-82.	0.5	2
80	Neuronal Protection for Chemotherapy Neuropathy Prevention?. Journal of the National Cancer Institute, 2020, 112, 3-4.	3.0	2
81	Long-term neurotoxicity in women with breast cancer.. Journal of Clinical Oncology, 2019, 37, e23089-e23089.	0.8	2
82	Peripheral Neuropathies Due to Vitamin and Mineral Deficiencies, Toxins, and Medications. CONTINUUM Lifelong Learning in Neurology, 2020, 26, 1280-1298.	0.4	2
83	Update on Toxic Neuropathies. Current Treatment Options in Neurology, 2022, 24, 203-216.	0.7	2
84	Comparative Performance of Different Respiratory Test Parameters for Detection of Early Respiratory Insufficiency in Patients With ALS. Neurology, 2022, 99, .	1.5	2
85	Etiologic investigation of ischemic stroke in young adults. Neurology, 2011, 77, 1932-1933.	1.5	1
86	Fit for Chemo: Nerves May Thank You. Journal of the National Cancer Institute, 2017, 109, djw208.	3.0	1
87	A comparison of the natural history of oxaliplatin- and paclitaxel-induced neuropathy (NCCTG N08C1,) Tj ETQq1 1 0,784314 rgBT /Overl	0.8	1
88	Variability in Amyotrophic Lateral Sclerosis. JAMA Neurology, 2016, 73, 781.	4.5	0
89	320 Genetic Compensation as a mechanism underlying patients with Rare ALS. Journal of Clinical and Translational Science, 2022, 6, 57-57.	0.3	0