

Nens van Alfen

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

3,619
citations

159585

30
h-index

155660

55
g-index

110
all docs

110
docs citations

110
times ranked

2593
citing authors

#	ARTICLE	IF	CITATIONS
1	The clinical spectrum of neuralgic amyotrophy in 246 cases. <i>Brain</i> , 2006, 129, 438-450.	7.6	572
2	Clinical and pathophysiological concepts of neuralgic amyotrophy. <i>Nature Reviews Neurology</i> , 2011, 7, 315-322.	10.1	257
3	Neuralgic amyotrophy: An update on diagnosis, pathophysiology, and treatment. <i>Muscle and Nerve</i> , 2016, 53, 337-350.	2.2	188
4	Neuralgic amyotrophy and hepatitis E virus infection. <i>Neurology</i> , 2014, 82, 498-503.	1.1	150
5	Assisted Bicycle Training Delays Functional Deterioration in Boys With Duchenne Muscular Dystrophy. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 816-827.	2.9	128
6	Incidence of Neuralgic Amyotrophy (Parsonage Turner Syndrome) in a Primary Care Setting - A Prospective Cohort Study. <i>PLoS ONE</i> , 2015, 10, e0128361.	2.5	111
7	Treatment for idiopathic and hereditary neuralgic amyotrophy (brachial neuritis). <i>The Cochrane Library</i> , 2009, , CD006976.	2.8	87
8	Muscle ultrasound: Present state and future opportunities. <i>Muscle and Nerve</i> , 2021, 63, 455-466.	2.2	85
9	Hepatitis E virus infection and acute non-traumatic neurological injury: A prospective multicentre study. <i>Journal of Hepatology</i> , 2017, 67, 925-932.	3.7	80
10	Is fatigue a disease-specific or generic symptom in chronic medical conditions?. <i>Health Psychology</i> , 2018, 37, 530-543.	1.6	79
11	Clinical phenotype and outcome of hepatitis E virus-associated neuralgic amyotrophy. <i>Neurology</i> , 2017, 89, 909-917.	1.1	75
12	Long-Term Pain, Fatigue, and Impairment in Neuralgic Amyotrophy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 435-439.	0.9	69
13	Residual Complaints After Neuralgic Amyotrophy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 67-73.	0.9	67
14	Ultrasound in the Assessment of Myopathic Disorders. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 103-111.	1.7	66
15	Indications for neuromuscular ultrasound: Expert opinion and review of the literature. <i>Clinical Neurophysiology</i> , 2018, 129, 2658-2679.	1.5	65
16	Diagnostic accuracy of quantitative neuromuscular ultrasound for the diagnosis of intensive care unit-acquired weakness: a cross-sectional observational study. <i>Annals of Intensive Care</i> , 2017, 7, 40.	4.6	54
17	Quantitative muscle MRI and ultrasound for facioscapulohumeral muscular dystrophy: complementary imaging biomarkers. <i>Journal of Neurology</i> , 2018, 265, 2646-2655.	3.6	54
18	New normal values for quantitative muscle ultrasound: Obesity increases muscle echo intensity. <i>Muscle and Nerve</i> , 2011, 43, 142-143.	2.2	50

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19	Quantitative facial muscle ultrasound: Feasibility and reproducibility. <i>Muscle and Nerve</i> , 2013, 48, 375-380.	2.2	50
20	Diagnostic Value of Muscle Ultrasound for Myopathies and Myositis. <i>Current Rheumatology Reports</i> , 2020, 22, 82.	4.7	50
21	Sensory Nerve Conduction Studies in Neuralgic Amyotrophy. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009, 88, 941-946.	1.4	48
22	Quantitative muscle ultrasound versus quantitative magnetic resonance imaging in facioscapulohumeral dystrophy. <i>Muscle and Nerve</i> , 2014, 50, 968-975.	2.2	47
23	Muscle ultrasound. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 136, 843-853.	1.8	45
24	Ultrasound of peripheral nerves in neuralgic amyotrophy. <i>Muscle and Nerve</i> , 2019, 59, 55-59.	2.2	44
25	The Influence of Concentration/Meditation on Autonomic Nervous System Activity and the Innate Immune Response. <i>Psychosomatic Medicine</i> , 2012, 74, 489-494.	2.0	40
26	Quantitative ultrasound of the tongue and submental muscles in children and young adults. <i>Muscle and Nerve</i> , 2012, 46, 31-37.	2.2	40
27	Sural/radial nerve amplitude ratio: Reference values in healthy subjects. <i>Muscle and Nerve</i> , 2005, 32, 613-618.	2.2	36
28	Quantitative muscle ultrasound and muscle force in healthy children: A 4-year follow-up study. <i>Muscle and Nerve</i> , 2013, 47, 856-863.	2.2	36
29	Neuromuscular Ultrasound: A New Tool in Your Toolbox. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 504-515.	0.5	36
30	How useful is muscle ultrasound in the diagnostic workup of neuromuscular diseases?. <i>Current Opinion in Neurology</i> , 2018, 31, 568-574.	3.6	35
31	Neuromuscular Ultrasound: Clinical Applications and Diagnostic Values. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 605-619.	0.5	35
32	Nerve Ultrasound in Traumatic and Iatrogenic Peripheral Nerve Injury. <i>Diagnostics</i> , 2021, 11, 30.	2.6	34
33	Bilateral changes in muscle architecture of physically active people with chronic stroke: A quantitative muscle ultrasound study. <i>Clinical Neurophysiology</i> , 2017, 128, 115-122.	1.5	32
34	Nerve ultrasound for diagnosing chronic inflammatory neuropathy. <i>Neurology</i> , 2020, 95, e1745-e1753.	1.1	32
35	Phrenic neuropathy and diaphragm dysfunction in neuralgic amyotrophy. <i>Neurology</i> , 2018, 91, e843-e849.	1.1	31
36	Ultrasound of oral and masticatory muscles: Why every neuromuscular swallow team should have an ultrasound machine. <i>Clinical Anatomy</i> , 2017, 30, 183-193.	2.7	28

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37	The difficulty of diagnosing NCSE in clinical practice; external validation of the Salzburg criteria. <i>Epilepsia</i> , 2019, 60, e88-e92.	5.1	27
38	Deep learning segmentation of transverse musculoskeletal ultrasound images for neuromuscular disease assessment. <i>Computers in Biology and Medicine</i> , 2021, 135, 104623.	7.0	26
39	Intravenous Lidocaine: Old-School Drug, New Purpose—Reduction of Intractable Pain in Patients with Chemotherapy Induced Peripheral Neuropathy. <i>Pain Research and Management</i> , 2017, 2017, 1-9.	1.8	24
40	Efficacy of a combined physical and occupational therapy intervention in patients with subacute neuralgic amyotrophy: A pilot study. <i>NeuroRehabilitation</i> , 2013, 33, 657-665.	1.3	23
41	Detecting fasciculations in cranial nerve innervated muscles with ultrasound in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2017, 56, 1072-1076.	2.2	23
42	Guidelines for neuromuscular ultrasound training. <i>Muscle and Nerve</i> , 2019, 60, 361-366.	2.2	23
43	Muscle ultrasound is a responsive biomarker in facioscapulohumeral dystrophy. <i>Neurology</i> , 2020, 94, e1488-e1494.	1.1	23
44	Neuralgic amyotrophy. <i>Current Opinion in Neurology</i> , 2021, 34, 605-612.	3.6	23
45	The Pathogenesis of Ventral Idiopathic Herniation of the Spinal Cord: A Hypothesis Based on the Review of the Literature. <i>Frontiers in Neurology</i> , 2017, 8, 476.	2.4	21
46	Facioscapulohumeral Dystrophy in Childhood: A Nationwide Natural History Study. <i>Annals of Neurology</i> , 2018, 84, 627-637.	5.3	21
47	Ultrasound can differentiate inclusion body myositis from disease mimics. <i>Muscle and Nerve</i> , 2020, 61, 783-788.	2.2	21
48	Feasibility and Outcomes of a Multidisciplinary Care Pathway for Neurogenic Thoracic Outlet Syndrome: A Prospective Observational Cohort Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 1017-1024.	1.5	21
49	The assisted 6-minute cycling test to assess endurance in children with a neuromuscular disorder. <i>Muscle and Nerve</i> , 2012, 46, 520-530.	2.2	20
50	Reflections of patients and therapists on a multidisciplinary rehabilitation programme for persons with brachial plexus injuries. <i>Disability and Rehabilitation</i> , 2019, 41, 1427-1434.	1.8	18
51	Diagnosis of brachial and lumbosacral plexus lesions. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 115, 293-310.	1.8	17
52	Muscle ultrasound from diagnostic tool to outcome measure—Quantification is the challenge. <i>Muscle and Nerve</i> , 2015, 52, 319-320.	2.2	17
53	A recurrent de novo DYNC1H1 tail domain mutation causes spinal muscular atrophy with lower extremity predominance, learning difficulties and mild brain abnormality. <i>Neuromuscular Disorders</i> , 2018, 28, 750-756.	0.6	16
54	Expert consensus on the combined investigation of ulnar neuropathy at the elbow using electrodiagnostic tests and nerve ultrasound. <i>Clinical Neurophysiology</i> , 2021, 132, 2274-2281.	1.5	16

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55	Expert consensus on the combined investigation of carpal tunnel syndrome with electrodiagnostic tests and neuromuscular ultrasound. <i>Clinical Neurophysiology</i> , 2022, 135, 107-116.	1.5	16
56	Facioscapulohumeral dystrophy in children: design of a prospective, observational study on natural history, predictors and clinical impact (iFocus FSHD). <i>BMC Neurology</i> , 2016, 16, 138.	1.8	15
57	Ultrasound Imaging of Muscle Contraction of the Tibialis Anterior in Patients with Facioscapulohumeral Dystrophy. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2537-2545.	1.5	15
58	Association of diaphragm thickness and echogenicity with age, sex, and <sc>body mass index</sc> in healthy subjects. <i>Muscle and Nerve</i> , 2022, 66, 197-202.	2.2	15
59	Ultrasound of the cervical roots and brachial plexus in neonates. <i>Muscle and Nerve</i> , 2015, 51, 35-41.	2.2	13
60	Atypical dystonic shoulder movements following neuralgic amyotrophy. <i>Movement Disorders</i> , 2009, 24, 293-296.	3.9	12
61	Natural history, outcome measures and trial readiness in LAMA2-related muscular dystrophy and SELENON-related myopathy in children and adults: protocol of the LAST STRONG study. <i>BMC Neurology</i> , 2021, 21, 313.	1.8	12
62	Validity and reliability of serratus anterior hand held dynamometry. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 360.	1.9	11
63	Diagnostic accuracy of gray scale muscle ultrasound screening for pediatric neuromuscular disease. <i>Muscle and Nerve</i> , 2021, 64, 50-58.	2.2	11
64	Variability in electrodiagnostic findings associated with neurogenic thoracic outlet syndrome. <i>Muscle and Nerve</i> , 2022, 65, 34-42.	2.2	11
65	Altered sensorimotor representations after recovery from peripheral nerve damage in neuralgic amyotrophy. <i>Cortex</i> , 2020, 127, 180-190.	2.4	10
66	Successful 18h cellular extracorporeal perfusion and replantation of porcine limbs •Histology versus nerve stimulation. <i>Transplant International</i> , 2021, 34, 365-375.	1.6	10
67	Pathogenesis of Idiopathic Ventral Herniation of Spinal Cord: Neuropathologic Analysis. <i>World Neurosurgery</i> , 2018, 114, 30-33.	1.3	9
68	Computer-aided detection of fasciculations and other movements in muscle with ultrasound: Development and clinical application. <i>Clinical Neurophysiology</i> , 2018, 129, 2567-2576.	1.5	9
69	NA-CONTROL: a study protocol for a randomised controlled trial to compare specific outpatient rehabilitation that targets cerebral mechanisms through relearning motor control and uses self-management strategies to improve functional capability of the upper extremity, to usual care in patients with neuralgic amyotrophy. <i>Trials</i> , 2019, 20, 482.	1.6	9
70	Long-term use of implanted peroneal functional electrical stimulation for stroke-affected gait: the effects on muscle and motor nerve. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 86.	4.6	8
71	Orofacial muscles may be affected in early stages of Becker muscular dystrophy: A preliminary study. <i>Muscle and Nerve</i> , 2020, 61, 213-217.	2.2	8
72	The neuromuscular and multisystem features of RYR1-related malignant hyperthermia and rhabdomyolysis. <i>Medicine (United States)</i> , 2021, 100, e26999.	1.0	8

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73	What Can We Learn From Assisted Bicycle Training in a Girl With Dystrophinopathy? A Case Study. <i>Journal of Child Neurology</i> , 2015, 30, 659-663.	1.4	7
74	<p>Acute Cytokine Response During Breast Cancer Surgery: Potential Role of Dexamethasone and Lidocaine and Relationship with Postoperative Pain and Complications â€“ Analysis of Three Pooled Pilot Randomized Controlled Trials</p>. <i>Journal of Pain Research</i> , 2020, Volume 13, 1243-1254.	2.0	7
75	Natural History of Facioscapulohumeral Dystrophy in Children. <i>Neurology</i> , 2021, 97, e2103-e2113.	1.1	7
76	Simple surface EMG recording as a noninvasive screening method for the detection of acute oxaliplatin-induced neurotoxicity: a feasibility pilot study. <i>Neuroscience Letters</i> , 2019, 699, 184-188.	2.1	6
77	Backpack palsy and other brachial plexus neuropathies in the military population. <i>Journal of the Peripheral Nervous System</i> , 2020, 25, 27-31.	3.1	6
78	Neuromuscular ultrasound competency assessment: Consensusâ€“based survey. <i>Muscle and Nerve</i> , 2021, 63, 651-656.	2.2	6
79	Visual versus quantitative analysis of muscle ultrasound in neuromuscular disease. <i>Muscle and Nerve</i> , 2022, 66, 253-261.	2.2	6
80	Nerve ultrasound showing Martinâ€“Gruber anastomosis. <i>Muscle and Nerve</i> , 2017, 56, E46-E47.	2.2	5
81	Trapped or twisted? Teasing out anterior interosseous neuropathy. <i>Muscle and Nerve</i> , 2020, 61, 268-270.	2.2	5
82	Virtual neuromuscular ultrasound courses during <scp>COVID</scp>â€™19 pandemic: Leveraging technology to enhance learning opportunities. <i>Muscle and Nerve</i> , 2022, 65, 29-33.	2.2	5
83	Diagnosing neuralgic amyotrophy: Choosing the right test at the right time. <i>Muscle and Nerve</i> , 2017, 56, 1020-1021.	2.2	4
84	Nerve ultrasound in dorsal root ganglion disorders: Smaller nerves lead to bigger insights. <i>Clinical Neurophysiology</i> , 2019, 130, 550-551.	1.5	4
85	Automatic segmentation of ultrasound images of gastrocnemius medialis with different echogenicity levels using convolutional neural networks. , 2020, 2020, 2113-2116.		4
86	Results of reoperation for failed ulnar nerve surgery at the elbow: a systematic review and meta-analysis. <i>Journal of Neurosurgery</i> , 2019, 130, 686-701.	1.6	3
87	Application of muscle ultrasound for the evaluation of patients with amyotrophic lateral sclerosis: An observational crossâ€“sectional study. <i>Muscle and Nerve</i> , 2020, 62, 516-521.	2.2	3
88	Nerve ultrasound for distinguishing inflammatory neuropathy from amyotrophic lateral sclerosis: Not black and white. <i>Muscle and Nerve</i> , 2020, 61, E33-E37.	2.2	3
89	Neurological features of Noonan syndrome and related <scp>RASopathies</scp> : Pain and nerve enlargement characterized by nerve ultrasound. <i>American Journal of Medical Genetics, Part A</i> , 2022, , .	1.2	3
90	Surgical and postpartum hereditary brachial plexus attacks and prophylactic immunotherapy. <i>Muscle and Nerve</i> , 2013, 48, 624-624.	2.2	2

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91	Extremely Painful Multifocal Acquired Predominant Axonal Sensorimotor Neuropathy of the Upper Limb. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1565-1574.	1.7	2
92	Response: The difficulty of diagnosing nonconvulsive status epilepticus in clinical practice. <i>Epilepsia</i> , 2019, 60, 2337-2338.	5.1	2
93	What Is the Diagnosis in Patients with Type 2 Diabetes Who Have a Painful Shoulder? Results from a Prospective Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 4097.	2.4	2
94	Visuomotor processing is altered after peripheral nerve damage in neuralgic amyotrophy. <i>Brain Communications</i> , 2022, 4, fcac034.	3.3	2
95	Reachable workspace analysis is a potential measurement for impairment of the upper extremity in neuralgic amyotrophy. <i>Muscle and Nerve</i> , 2022, 66, 282-288.	2.2	2
96	Characterization of EEG-based functional brain networks in myotonic dystrophy type 1. <i>Clinical Neurophysiology</i> , 2020, 131, 1886-1895.	1.5	1
97	“Why don't you have a look?” The value of incorporating neuromuscular ultrasound in routine clinical practice. <i>Muscle and Nerve</i> , 2021, 63, 437-438.	2.2	1
98	Feasibility and Outcomes of a Multidisciplinary Care Pathway for Neurogenic Thoracic Outlet Syndrome: A Prospective Observational Cohort Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
99	Shoulder muscle changes in patients with type 2 diabetes mellitus who have a painful shoulder: a quantitative muscle ultrasound study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, .	1.9	1
100	Poster 153 Validity and Reliability of a new Method for Evaluation of Serratus Anterior Muscle Strength. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, e65.	0.9	0
101	Reply. <i>Muscle and Nerve</i> , 2017, 55, 447-447.	2.2	0
102	Notice of Removal: Ultrasound imaging of muscle contraction of the tibialis anterior in patients with facioscapulohumeral dystrophy. , 2017, , .		0
103	Biomarkers to predict ALS progression “ Can we get tools and people to work together?. <i>Clinical Neurophysiology</i> , 2021, 132, 2677-2678.	1.5	0
104	Peripheral Nerve Innervation in Bilateral Cleft Hand Syndrome Elucidated by Ultrasound. <i>Frontiers in Neurology</i> , 2022, 13, .	2.4	0