

# Koen Poesen

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,086  
citations

257357

24  
h-index

243529

44  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurofilament markers for ALS correlate with extent of upper and lower motor neuron disease. <i>Neurology</i> , 2017, 88, 2302-2309.	1.5	169
2	Multicenter evaluation of neurofilaments in early symptom onset amyotrophic lateral sclerosis. <i>Neurology</i> , 2018, 90, e22-e30.	1.5	148
3	Inhibition of Tumor Angiogenesis and Growth by a Small-Molecule Multi-FGF Receptor Blocker with Allosteric Properties. <i>Cancer Cell</i> , 2013, 23, 477-488.	7.7	138
4	Novel Role for Vascular Endothelial Growth Factor (VEGF) Receptor-1 and Its Ligand VEGF-B in Motor Neuron Degeneration. <i>Journal of Neuroscience</i> , 2008, 28, 10451-10459.	1.7	119
5	Comparison of elevated phosphorylated neurofilament heavy chains in serum and cerebrospinal fluid of patients with amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 367-373.	0.9	86
6	Multicenter validation of CSF neurofilaments as diagnostic biomarkers for ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 404-413.	1.1	84
7	Serum neurofilament light chain levels as a marker of upper motor neuron degeneration in patients with Amyotrophic Lateral Sclerosis. <i>Neuropathology and Applied Neurobiology</i> , 2019, 45, 291-304.	1.8	82
8	VEGF protects motor neurons against excitotoxicity by upregulation of GluR2. <i>Neurobiology of Aging</i> , 2010, 31, 2185-2191.	1.5	78
9	Matrix-Binding Vascular Endothelial Growth Factor (VEGF) Isoforms Guide Granule Cell Migration in the Cerebellum via VEGF Receptor Flk1. <i>Journal of Neuroscience</i> , 2010, 30, 15052-15066.	1.7	75
10	Altered perivascular fibroblast activity precedes ALS disease onset. <i>Nature Medicine</i> , 2021, 27, 640-646.	15.2	69
11	Diagnostic Challenges and Clinical Characteristics of Hepatitis E Virus-Associated Guillain-Barré Syndrome. <i>JAMA Neurology</i> , 2017, 74, 26.	4.5	61
12	Comparison of ELISA- and SIMOA-based quantification of plasma A $\beta$ 2 ratios for early detection of cerebral amyloidosis. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 162.	3.0	58
13	Solid phase assays versus automated indirect immunofluorescence for detection of antinuclear antibodies. <i>Autoimmunity Reviews</i> , 2018, 17, 533-540.	2.5	57
14	Systemic anti-vascular endothelial growth factor therapies induce a painful sensory neuropathy. <i>Brain</i> , 2012, 135, 2629-2641.	3.7	53
15	Detection of myositis-specific antibodies. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, e7-e7.	0.5	48
16	Diagnostic value of cerebrospinal fluid A $\beta$ 2 ratios in preclinical Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 75.	3.0	47
17	Neuronal FLT1 receptor and its selective ligand VEGF $\beta$ protect against retrograde degeneration of sensory neurons. <i>FASEB Journal</i> , 2011, 25, 1461-1473.	0.2	45
18	Use of Multimodal Imaging and Clinical Biomarkers in Presymptomatic Carriers of C9orf72 Repeat Expansion. <i>JAMA Neurology</i> , 2020, 77, 1008.	4.5	45

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19	Inflammatory markers in cerebrospinal fluid: independent prognostic biomarkers in amyotrophic lateral sclerosis?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, jnnp-2018-319586.	0.9	42
20	Homozygous N-terminal missense mutation in TRNT1 leads to progressive B-cell immunodeficiency in adulthood. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 360-363.e6.	1.5	41
21	Impaired Autonomic Regulation of Resistance Arteries in Mice With Low Vascular Endothelial Growth Factor or Upon Vascular Endothelial Growth Factor Trap Delivery. <i>Circulation</i> , 2010, 122, 273-281.	1.6	37
22	The naturally occurring N6-threonyl adenine in anticodon loop of <i>Schizosaccharomyces pombe</i> tRNA <sup>I</sup> causes formation of a unique U-turn motif. <i>Nucleic Acids Research</i> , 2006, 34, 2878-2886.	6.5	35
23	Screening for connective tissue disease-associated antibodies by automated immunoassay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 909-918.	1.4	31
24	Serum neurofilament heavy chains as early marker of motor neuron degeneration. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1971-1979.	1.7	29
25	Prognostic value of amyloid/tau/neurodegeneration (ATN) classification based on diagnostic cerebrospinal fluid samples for Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 84.	3.0	26
26	Neurofilament light chain and C reactive protein explored as predictors of survival in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 436-437.	0.9	25
27	Harmonization of clinical interpretation of antinuclear antibody test results by solid phase assay and by indirect immunofluorescence through likelihood ratios. <i>Autoimmunity Reviews</i> , 2019, 18, 102386.	2.5	23
28	CHIT1 at Diagnosis Reflects Long-Term Multiple Sclerosis Disease Activity. <i>Annals of Neurology</i> , 2020, 87, 633-645.	2.8	22
29	Antinuclear antibodies by indirect immunofluorescence and solid phase assays. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, e65-e65.	0.5	21
30	Diagnostic thresholds for free light chains in multiple myeloma depend on the assay used. <i>Leukemia</i> , 2018, 32, 1815-1818.	3.3	17
31	Clinical spectrum of the anti-GQ1b antibody syndrome: a case series of eight patients. <i>Acta Neurologica Belgica</i> , 2019, 119, 29-36.	0.5	17
32	The effect of xenon-augmented sevoflurane anesthesia on intraoperative hemodynamics and early postoperative neurocognitive function in children undergoing cardiac catheterization: A randomized controlled pilot trial. <i>Paediatric Anaesthesia</i> , 2018, 28, 726-738.	0.6	15
33	A multi-center study of neurofilament assay reliability and inter-laboratory variability. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2020, 21, 452-458.	1.1	15
34	Xenon for the prevention of postoperative delirium in cardiac surgery: study protocol for a randomized controlled clinical trial. <i>Trials</i> , 2015, 16, 449.	0.7	14
35	Finger extension weakness and downbeat nystagmus motor neuron disease syndrome: A novel motor neuron disorder?. <i>Muscle and Nerve</i> , 2017, 56, 1164-1168.	1.0	14
36	Chitotriosidase as biomarker for early stage amyotrophic lateral sclerosis: a multicenter study. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2021, 22, 276-286.	1.1	14

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37	Comparison of 2 Serum-Free Light-Chain Assays in CKD Patients. <i>Kidney International Reports</i> , 2020, 5, 627-631.	0.4	13
38	Ecstasy intoxication as an unusual cause of epileptic seizures in young children. <i>European Journal of Pediatrics</i> , 2013, 172, 1547-1550.	1.3	12
39	An ALS case with 38 (G4C2)-repeats in the C9orf72 gene shows TDP-43 and sparse dipeptide repeat protein pathology. <i>Acta Neuropathologica</i> , 2019, 137, 855-858.	3.9	12
40	Biochemical and clinical biomarkers in adult <scp>SMA</scp> 3â€“4 patients treated with nusinersen for 22â€“months. <i>Annals of Clinical and Translational Neurology</i> , 2022, 9, 1241-1251.	1.7	12
41	Phosphoâ€“specific plasma pâ€“tau181 assay detects clinical as well as asymptomatic Alzheimer's disease. <i>Annals of Clinical and Translational Neurology</i> , 2022, 9, 734-746.	1.7	11
42	Performance of cassette-based blood gas analyzers to monitor blood glucose and lactate levels in a surgical intensive care setting. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 1417-27.	1.4	10
43	Tubulointerstitial expression and urinary excretion of connective tissue growth factor 3 months after renal transplantation predict interstitial fibrosis and tubular atrophy at 5 years in a retrospective cohort analysis. <i>Transplant International</i> , 2017, 30, 695-705.	0.8	10
44	Xenon as an adjuvant to sevoflurane anesthesia in children younger than 4Â“years of age, undergoing interventional or diagnostic cardiac catheterization: A randomized controlled clinical trial. <i>Paediatric Anaesthesia</i> , 2017, 27, 1210-1219.	0.6	10
45	Cerebrospinal fluid levels of synaptic and neuronal integrity correlate with gray matter volume and amyloid load in the precuneus of cognitively intact older adults. <i>Journal of Neurochemistry</i> , 2019, 149, 139-157.	2.1	10
46	Relapsing <i>Brevibacterium casei</i> Peritonitis: Value of 16S rRNA Gene Sequencing in Accurate Species Identification. <i>Peritoneal Dialysis International</i> , 2012, 32, 341-344.	1.1	9
47	Dipeptide repeat protein and TDP-43 pathology along the hypothalamicâ€“pituitary axis in C9orf72 and non-C9orf72 ALS and FTLTDP cases. <i>Acta Neuropathologica</i> , 2020, 140, 777-781.	3.9	8
48	Detection of multiple myositis-specific autoantibodies in unique patients with idiopathic inflammatory myopathy: A single centre-experience and literature review. <i>Seminars in Arthritis and Rheumatism</i> , 2021, 51, 486-494.	1.6	8
49	Prognostic value of neurofilament light chain in chronic inflammatory demyelinating polyneuropathy. <i>Brain Communications</i> , 2021, 3, fcab018.	1.5	7
50	Prognostic relationship of neurofilaments, CHIT1, YKL-40 and MCP-1 in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 681-682.	0.9	7
51	Clinical reporting following the quantification of cerebrospinal fluid biomarkers in Alzheimer's disease: An international overview. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	7
52	Automation on an Open-Access Platform of Alzheimerâ€™s Disease Biomarker Immunoassays. <i>SLAS Technology</i> , 2018, 23, 188-197.	1.0	5
53	The Chromosomal Conformation Signature: A New Kid on the Block in ALS Biomarker Research?. <i>EBioMedicine</i> , 2018, 33, 6-7.	2.7	5
54	Interference of ethylene glycol with lactate measurement: A comparison study on new generation cassette-based blood gas analyzers. <i>Clinica Chimica Acta</i> , 2012, 414, 18-19.	0.5	4

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55	Two Cases of Heavy Chain MGUS. Case Reports in Oncological Medicine, 2016, 2016, 1-4.	0.2	4
56	Evaluation of the V8 E-Class, a Novel Automated Capillary Isoelectric Focusing Instrument for Hemoglobinopathy Screening. American Journal of Clinical Pathology, 2016, 146, 361-368.	0.4	4
57	Antigen excess detection by automated assays for free light chains. Clinical Chemistry and Laboratory Medicine, 2018, 56, e235-e238.	1.4	4
58	Elevated ALS Biomarker Levels in CSF of a FTD Patient at the Presymptomatic Stage of ALS. Alzheimer Disease and Associated Disorders, 2018, 32, 156-157.	0.6	3
59	Respiratory onset of amyotrophic lateral sclerosis in a pregnant woman with a novel <i>SOD1</i> mutation. European Journal of Neurology, 2022, 29, 1279-1283.	1.7	2
60	Historical Response Factor-Based Quantification for LC-MS/MS. Clinical Chemistry, 2013, 59, 1674-1676.	1.5	1
61	Three Patients with an Unusual Pattern on Urine Immunofixation. Clinical Chemistry, 2016, 62, 1412-1413.	1.5	1
62	Negative commercial screening test for paraneoplastic antibodies in a case of opsoclonus. Neurology: Neuroimmunology and Neuroinflammation, 2017, 4, e329.	3.1	1
63	Neuropathy of the phrenic nerve associated with antiganglioside antibodies. European Journal of Neurology, 2021, 28, 2138-2141.	1.7	1
64	Determination of free light chains: assay-dependent differences in interpretation. Clinical Chemistry and Laboratory Medicine, 2021, 59, e69-e71.	1.4	1
65	P1-200: Improvement of Reproducibility for CSF Biomarker Analysis by Integration of Automation in the Test Procedures. , 2016, 12, P480-P481.		0
66	ABO696...DETECTION OF COEXISTING MYOSITIS-SPECIFIC AUTOANTIBODIES WITH LINE AND DOT IMMUNOASSAYS IN PATIENTS WITH IDIOPATHIC INFLAMMATORY MYOPATHIES. , 2019, , .		0
67	Horizontal saccadic palsy as a prominent symptom of anti-NMDAR encephalitis. Neurology: Clinical Practice, 2019, 11, 10.1212/CPJ.0000000000000750.	0.8	0
68	Comparison of two analytical platforms for blood-based surrogate biomarkers of amyloid pathology. Alzheimer's and Dementia, 2020, 16, e045110.	0.4	0
69	Prognostic value of amyloid/tau/neurodegeneration (ATN) classification based on diagnostic cerebrospinal fluid samples for Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, .	0.4	0
70	Interval-specific likelihood ratios for improving differential diagnosis of Alzheimer's disease using biomarkers in cerebrospinal fluid. Alzheimer's and Dementia, 2021, 17, .	0.4	0