

Axel Petzold

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319
papers

12,882
citations

61
h-index

102
g-index

346
ext. papers

15,764
ext. citations

6.2
avg, IF

6.47
L-index

#	Paper	IF	Citations
319	Neurofilaments as biomarkers in neurological disorders. <i>Nature Reviews Neurology</i> , 2018 , 14, 577-589	15	627
318	A consensus protocol for the standardization of cerebrospinal fluid collection and biobanking. <i>Neurology</i> , 2009 , 73, 1914-22	6.5	470
317	Neurofilament phosphoforms: surrogate markers for axonal injury, degeneration and loss. <i>Journal of the Neurological Sciences</i> , 2005 , 233, 183-98	3.2	451
316	Optical coherence tomography in multiple sclerosis: a systematic review and meta-analysis. <i>Lancet Neurology, The</i> , 2010 , 9, 921-32	24.1	399
315	Neurofilament light chain: A prognostic biomarker in amyotrophic lateral sclerosis. <i>Neurology</i> , 2015 , 84, 2247-57	6.5	293
314	Cannabinoids inhibit neurodegeneration in models of multiple sclerosis. <i>Brain</i> , 2003 , 126, 2191-202	11.2	289
313	The OSCAR-IB consensus criteria for retinal OCT quality assessment. <i>PLoS ONE</i> , 2012 , 7, e34823	3.7	283
312	Increased neurofilament light chain blood levels in neurodegenerative neurological diseases. <i>PLoS ONE</i> , 2013 , 8, e75091	3.7	265
311	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. <i>Lancet Neurology, The</i> , 2017 , 16, 797-812	24.1	243
310	The APOSTEL recommendations for reporting quantitative optical coherence tomography studies. <i>Neurology</i> , 2016 , 86, 2303-9	6.5	240
309	Axonal damage markers in cerebrospinal fluid are increased in ALS. <i>Neurology</i> , 2006 , 66, 852-6	6.5	198
308	Retinal thickness measured with optical coherence tomography and risk of disability worsening in multiple sclerosis: a cohort study. <i>Lancet Neurology, The</i> , 2016 , 15, 574-84	24.1	194
307	The investigation of acute optic neuritis: a review and proposed protocol. <i>Nature Reviews Neurology</i> , 2014 , 10, 447-58	15	188
306	Triple-H therapy in the management of aneurysmal subarachnoid haemorrhage. <i>Lancet Neurology, The</i> , 2003 , 2, 614-21	24.1	187
305	Quality control for retinal OCT in multiple sclerosis: validation of the OSCAR-IB criteria. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 163-70	5	172
304	Markers for different glial cell responses in multiple sclerosis: clinical and pathological correlations. <i>Brain</i> , 2002 , 125, 1462-73	11.2	148
303	The utility of cerebrospinal fluid analysis in patients with multiple sclerosis. <i>Nature Reviews Neurology</i> , 2013 , 9, 267-76	15	144

302	A worldwide multicentre comparison of assays for cerebrospinal fluid biomarkers in Alzheimer's disease. <i>Annals of Clinical Biochemistry</i> , 2009 , 46, 235-40	2.2	140
301	Optical Coherence Tomography Reveals Distinct Patterns of Retinal Damage in Neuromyelitis Optica and Multiple Sclerosis. <i>PLoS ONE</i> , 2013 , 8, e66151	3.7	125
300	A specific ELISA for measuring neurofilament heavy chain phosphoforms. <i>Journal of Immunological Methods</i> , 2003 , 278, 179-90	2.5	125
299	Remote ischemic preconditioning protects the brain against injury after hypothermic circulatory arrest. <i>Circulation</i> , 2011 , 123, 714-21	16.7	122
298	Metabolic failure precedes intracranial pressure rises in traumatic brain injury: a microdialysis study. <i>Acta Neurochirurgica</i> , 2008 , 150, 461-9; discussion 470	3	118
297	Multiple sclerosis: Neurofilament light chain antibodies are correlated to cerebral atrophy. <i>Neurology</i> , 2003 , 60, 219-23	6.5	111
296	Serum neurofilament light chain is a biomarker of human spinal cord injury severity and outcome. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 273-9	5.5	105
295	Distribution of retinal layer atrophy in patients with Parkinson disease and association with disease severity and duration. <i>American Journal of Ophthalmology</i> , 2014 , 157, 470-478.e2	4.9	101
294	Neuromyelitis optica-IgG (aquaporin-4) autoantibodies in immune mediated optic neuritis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, 109-11	5.5	100
293	Axonal damage accumulates in the progressive phase of multiple sclerosis: three year follow up study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005 , 76, 206-11	5.5	99
292	Cerebrospinal fluid (CSF) and serum S100B: release and wash-out pattern. <i>Brain Research Bulletin</i> , 2003 , 61, 281-5	3.9	98
291	Neurofilament heavy chain in CSF correlates with relapses and disability in multiple sclerosis. <i>Neurology</i> , 2011 , 76, 1206-13	6.5	95
290	Intrathecal oligoclonal IgG synthesis in multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2013 , 262, 1-10	3.5	91
289	CSF nitric oxide metabolites are associated with activity and progression of multiple sclerosis. <i>Neurology</i> , 2004 , 63, 1439-45	6.5	91
288	Cerebrospinal fluid biomarkers in multiple sclerosis. <i>Neurobiology of Disease</i> , 2009 , 35, 117-27	7.5	89
287	Increase of uric acid and purine compounds in biological fluids of multiple sclerosis patients. <i>Clinical Biochemistry</i> , 2009 , 42, 1001-6	3.5	87
286	Chronic relapsing inflammatory optic neuropathy: a systematic review of 122 cases reported. <i>Journal of Neurology</i> , 2014 , 261, 17-26	5.5	86
285	Role of serum S100B as an early predictor of high intracranial pressure and mortality in brain injury: a pilot study. <i>Critical Care Medicine</i> , 2002 , 30, 2705-10	1.4	86

284	A systematic review and meta-analysis of CSF neurofilament protein levels as biomarkers in dementia. <i>Neurodegenerative Diseases</i> , 2007 , 4, 185-94	2.3	85
283	Axonal damage markers in the cerebrospinal fluid of patients with clinically isolated syndrome improve predicting conversion to definite multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2006 , 12, 143-8	5	85
282	Cerebrospinal fluid S100B correlates with brain atrophy in Alzheimer's disease. <i>Neuroscience Letters</i> , 2003 , 336, 167-70	3.3	84
281	Bidirectional trans-synaptic axonal degeneration in the visual pathway in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 419-24	5.5	79
280	Molecular monitoring of response to imatinib (Glivec) in CML patients pretreated with interferon alpha. Low levels of residual disease are associated with continuous remission. <i>Leukemia</i> , 2003 , 17, 1687-94	10.7	79
279	Association of Retinal Nerve Fiber Layer Thinning With Current and Future Cognitive Decline: A Study Using Optical Coherence Tomography. <i>JAMA Neurology</i> , 2018 , 75, 1198-1205	17.2	79
278	Timing of retinal neuronal and axonal loss in MS: a longitudinal OCT study. <i>Journal of Neurology</i> , 2016 , 263, 1323-31	5.5	78
277	The Optic Disc Drusen Studies Consortium Recommendations for Diagnosis of Optic Disc Drusen Using Optical Coherence Tomography. <i>Journal of Neuro-Ophthalmology</i> , 2018 , 38, 299-307	2.6	78
276	Plasma neurofilament heavy chain levels and disease progression in amyotrophic lateral sclerosis: insights from a longitudinal study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 565-73	5.5	74
275	Fatal B-cell lymphoma following chronic lymphocytic inflammation with pontine perivascular enhancement responsive to steroids. <i>JAMA Neurology</i> , 2013 , 70, 915-8	17.2	74
274	The clinical spectrum of microcystic macular edema 2014 , 55, 952-61		72
273	Relapsing intracranial Rosai-Dorfman disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2001 , 71, 538-41	5.5	71
272	Impaired fibrinolysis in multiple sclerosis: a role for tissue plasminogen activator inhibitors. <i>Brain</i> , 2003 , 126, 1590-8	11.2	70
271	Neurofilament ELISA validation. <i>Journal of Immunological Methods</i> , 2010 , 352, 23-31	2.5	69
270	A highly sensitive electrochemiluminescence immunoassay for the neurofilament heavy chain protein. <i>Journal of Neuroimmunology</i> , 2010 , 220, 114-9	3.5	68
269	A dam for retrograde axonal degeneration in multiple sclerosis?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, 782-9	5.5	67
268	In vivo monitoring of neuronal loss in traumatic brain injury: a microdialysis study. <i>Brain</i> , 2011 , 134, 464-83	11.2	66
267	An ELISA for glial fibrillary acidic protein. <i>Journal of Immunological Methods</i> , 2004 , 287, 169-77	2.5	66

266	Roadmap and standard operating procedures for biobanking and discovery of neurochemical markers in ALS. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012 , 13, 1-10		65
265	EFNS guidelines on disease-specific CSF investigations. <i>European Journal of Neurology</i> , 2009 , 16, 760-70	6	65
264	Neurofilament heavy-chain NfH(SMI35) in cerebrospinal fluid supports the differential diagnosis of Parkinsonian syndromes. <i>Movement Disorders</i> , 2006 , 21, 2224-7	7	65
263	The pro and the active form of matrix metalloproteinase-9 is increased in serum of patients with amyotrophic lateral sclerosis. <i>Journal of Neuroimmunology</i> , 2005 , 159, 146-54	3.5	59
262	Serum lactate as a novel potential biomarker in multiple sclerosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1137-43	6.9	58
261	Microcystic macular oedema confirmed, but not specific for multiple sclerosis. <i>Brain</i> , 2012 , 135, e226; author reply e227	11.2	57
260	Multicenter reliability of semiautomatic retinal layer segmentation using OCT. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e449	9.1	56
259	Axonal degeneration and inflammation in acute optic neuritis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 1178-80	5.5	56
258	Alterations in cerebrospinal fluid apolipoprotein E and amyloid beta-protein after traumatic brain injury. <i>Journal of Neurotrauma</i> , 2003 , 20, 943-52	5.4	56
257	Diagnosis and classification of autoimmune optic neuropathy. <i>Autoimmunity Reviews</i> , 2014 , 13, 539-45	13.6	54
256	CSF neurofilaments in frontotemporal dementia compared with early onset Alzheimer's disease and controls. <i>Dementia and Geriatric Cognitive Disorders</i> , 2007 , 23, 225-30	2.6	54
255	Cerebrospinal fluid brain specific proteins in relation to nitric oxide metabolites during relapse of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2008 , 14, 59-66	5	53
254	Phosphorylation and compactness of neurofilaments in multiple sclerosis: indicators of axonal pathology. <i>Experimental Neurology</i> , 2008 , 213, 326-35	5.7	53
253	Comparison of two ELISA methods for measuring levels of the phosphorylated neurofilament heavy chain. <i>Journal of Immunological Methods</i> , 2007 , 319, 34-40	2.5	53
252	Glial fibrillary acidic protein is a body fluid biomarker for glial pathology in human disease. <i>Brain Research</i> , 2015 , 1600, 17-31	3.7	52
251	The Bryan cervical disc prosthesis as an alternative to arthrodesis in the treatment of cervical spondylosis: 46 consecutive cases. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2005 , 87, 508-12		52
250	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. <i>Annals of Neurology</i> , 2019 , 85, 618-629	9.4	51
249	Normal CSF ferritin levels in MS suggest against etiologic role of chronic venous insufficiency. <i>Neurology</i> , 2010 , 75, 1617-22	6.5	50

248	Loss of retinal nerve fibre layer axons indicates white but not grey matter damage in early multiple sclerosis. <i>European Journal of Neurology</i> , 2013 , 20, 803-11	6	45
247	Anti-voltage-gated potassium channel Kv1.4 antibodies in myasthenia gravis. <i>Journal of Neurology</i> , 2012 , 259, 1312-6	5.5	45
246	A method to solubilise protein aggregates for immunoassay quantification which overcomes the neurofilament "hook" effect. <i>Journal of Neuroscience Methods</i> , 2011 , 195, 143-50	3	44
245	Astrocytic activation in relation to inflammatory markers during clinical exacerbation of relapsing-remitting multiple sclerosis. <i>Journal of Neural Transmission</i> , 2007 , 114, 1011-5	4.3	44
244	The neurofilament heavy chain (NfH) in the cerebrospinal fluid diagnosis of Alzheimer's disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2006 , 21, 291-5	2.6	44
243	Quantification of neurodegeneration by measurement of brain-specific proteins. <i>Journal of Neuroimmunology</i> , 2003 , 138, 45-8	3.5	44
242	Temporal alterations in cerebrospinal fluid amyloid beta-protein and apolipoprotein E after subarachnoid hemorrhage. <i>Stroke</i> , 2003 , 34, e240-3	6.7	43
241	Central pain after pontine infarction is associated with changes in opioid receptor binding: a PET study with ¹¹ C-diprenorphine. <i>American Journal of Neuroradiology</i> , 1999 , 20, 686-90	4.4	43
240	CSF neurofilament levels: a potential prognostic marker in Guillain-Barré syndrome. <i>Neurology</i> , 2006 , 67, 1071-3	6.5	42
239	Extracellular N-acetylaspartate depletion in traumatic brain injury. <i>Journal of Neurochemistry</i> , 2006 , 96, 861-9	6	42
238	Spectrophotometry for cerebrospinal fluid pigment analysis. <i>Neurocritical Care</i> , 2006 , 4, 153-62	3.3	42
237	Axonal damage and outcome in subarachnoid haemorrhage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006 , 77, 753-9	5.5	41
236	Axonal pathology in subarachnoid and intracerebral hemorrhage. <i>Journal of Neurotrauma</i> , 2005 , 22, 407-14	5.4	41
235	Consensus Guidelines for CSF and Blood Biobanking for CNS Biomarker Studies. <i>Multiple Sclerosis International</i> , 2011 , 2011, 246412	1.1	40
234	Treatment response in relation to inflammatory and axonal surrogate marker in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2004 , 10, 281-3	5	40
233	Cerebrospinal fluid biomarkers in Guillain-Barré syndrome--where do we stand?. <i>Journal of Neurology</i> , 2009 , 256, 3-12	5.5	39
232	Evidence for acute neurotoxicity after chemotherapy. <i>Annals of Neurology</i> , 2010 , 68, 806-15	9.4	39
231	Decreased cerebrospinal fluid apolipoprotein E after subarachnoid hemorrhage: correlation with injury severity and clinical outcome. <i>Stroke</i> , 2003 , 34, 637-42	6.7	39

230	Cerebrospinal fluid ATP metabolites in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 549-54	5	38
229	Glial and axonal body fluid biomarkers are related to infarct volume, severity, and outcome. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2008 , 17, 196-203	2.8	38
228	Plasma neurofilament heavy chain levels correlate to markers of late stage disease progression and treatment response in SOD1(G93A) mice that model ALS. <i>PLoS ONE</i> , 2012 , 7, e40998	3.7	38
227	Cognitive, biochemical, and imaging profile of patients suffering from idiopathic normal pressure hydrocephalus. <i>Alzheimers and Dementia</i> , 2011 , 7, 501-8	1.2	37
226	CSF biomarkers for improved prognostic accuracy in acute CNS disease. <i>Neurological Research</i> , 2007 , 29, 691-708	2.7	37
225	Myelin-oligodendrocyte glycoprotein antibody-associated disease. <i>Lancet Neurology</i> , 2021 , 20, 762-772	1.1	37
224	Disease course heterogeneity and OCT in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 1198-205	1.1	36
223	Rostrocaudal dynamics of CSF biomarkers. <i>Neurochemical Research</i> , 2011 , 36, 528-32	4.6	36
222	Embolic and nonembolic transient monocular visual field loss: a clinicopathologic review. <i>Survey of Ophthalmology</i> , 2013 , 58, 42-62	6.1	35
221	Spectrophotometry for xanthochromia. <i>New England Journal of Medicine</i> , 2004 , 351, 1695-6	59.2	34
220	Elevated CSF neurofilament proteins predict brain atrophy: A 15-year follow-up study. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1154-62	5	33
219	4-Dihydromethyltrisporate dehydrogenase, an enzyme of the sex hormone pathway in <i>Mucor mucedo</i> , is constitutively transcribed but its activity is differently regulated in (+) and (-) mating types. <i>Fungal Genetics and Biology</i> , 2005 , 42, 804-12	3.9	33
218	Translational evidence for two distinct patterns of neuroaxonal injury in sepsis: a longitudinal, prospective translational study. <i>Critical Care</i> , 2017 , 21, 262	10.8	32
217	Biomarkers in Neurodegenerative Diseases. <i>Advances in Neurobiology</i> , 2017 , 15, 491-528	2.1	32
216	Serum Compounds of Energy Metabolism Impairment Are Related to Disability, Disease Course and Neuroimaging in Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2017 , 54, 7520-7533	6.2	32
215	Soluble beta-amyloid precursor protein is related to disease progression in amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2011 , 6, e23600	3.7	32
214	CSF protein biomarkers for proximal axonal damage improve prognostic accuracy in the acute phase of Guillain-Barré syndrome. <i>Muscle and Nerve</i> , 2009 , 40, 42-9	3.4	32
213	The new global multiple sclerosis severity score (MSSS) correlates with axonal but not glial biomarkers. <i>Multiple Sclerosis Journal</i> , 2006 , 12, 325-8	5	32

212	High CSF neurofilament heavy chain levels in neuromyelitis optica. <i>Neurology</i> , 2007 , 68, 865-7	6.5	32
211	Why human color vision cannot reliably detect cerebrospinal fluid xanthochromia. <i>Stroke</i> , 2005 , 36, 1295-67		32
210	The prognostic value of neurofilament levels in patients with sepsis-associated encephalopathy - A prospective, pilot observational study. <i>PLoS ONE</i> , 2019 , 14, e0211184	3.7	30
209	Cognitive impairment in patients with multiple sclerosis is associated with atrophy of the inner retinal layers. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 158-166	5	30
208	Serial soluble neurofilament heavy chain in plasma as a marker of brain injury after cardiac arrest. <i>Critical Care</i> , 2012 , 16, R45	10.8	30
207	The use of serum glial fibrillary acidic protein measurements in the diagnosis of neuromyelitis optica spectrum optic neuritis. <i>PLoS ONE</i> , 2011 , 6, e23489	3.7	30
206	Cerebrospinal fluid analyses for the diagnosis of subarachnoid haemorrhage and experience from a Swedish study. What method is preferable when diagnosing a subarachnoid haemorrhage?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 2073-86	5.9	29
205	Differential pattern of brain-specific CSF proteins tau and amyloid- β in Parkinsonian syndromes. <i>Movement Disorders</i> , 2010 , 25, 1284-8	7	29
204	Early identification of secondary brain damage in subarachnoid hemorrhage: a role for glial fibrillary acidic protein. <i>Journal of Neurotrauma</i> , 2006 , 23, 1179-84	5.4	29
203	Intra-arterial papaverine used to treat cerebral vasospasm reduces brain oxygen. <i>Neurocritical Care</i> , 2006 , 4, 113-8	3.3	29
202	Extracellular fluid S100B in the injured brain: a future surrogate marker of acute brain injury?. <i>Acta Neurochirurgica</i> , 2005 , 147, 897-900	3	29
201	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011 , 38, 1641-1654	2.9	28
200	Aquaporin-4 and myelin oligodendrocyte glycoprotein antibodies in immune-mediated optic neuritis at long-term follow-up. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 1021-1026	5.5	27
199	Serum phosphorylated neurofilament-heavy chain levels in multiple sclerosis patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, 1209-13	5.5	27
198	Hyperacute detection of neurofilament heavy chain in serum following stroke: a transient sign. <i>Neurochemical Research</i> , 2011 , 36, 2287-91	4.6	27
197	Clinical disorders affecting mesopic vision. <i>Ophthalmic and Physiological Optics</i> , 2006 , 26, 326-41	4.1	27
196	The prognostic value of CSF neurofilaments in multiple sclerosis at 15-year follow-up. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 1388-90	5.5	26
195	Cerebrospinal fluid apolipoprotein E concentration decreases after traumatic brain injury. <i>Journal of Neurotrauma</i> , 2003 , 20, 243-50	5.4	26

194	Diagnostic accuracy of optical coherence tomography inter-eye percentage difference for optic neuritis in multiple sclerosis. <i>European Journal of Neurology</i> , 2017 , 24, 1479-1484	6	25
193	Neuronal and glial cerebrospinal fluid protein biomarkers are elevated after West Nile virus infection. <i>Muscle and Nerve</i> , 2010 , 41, 42-9	3.4	25
192	Localization of endothelin receptors in bleomycin-induced pulmonary fibrosis in the rat. <i>Histochemistry and Cell Biology</i> , 2004 , 122, 507-17	2.4	25
191	Neurofilament heavy chain and heat shock protein 70 as markers of seizure-related brain injury. <i>Epilepsia</i> , 2012 , 53, 922-7	6.4	24
190	Glial but not axonal protein biomarkers as a new supportive diagnostic criteria for Devic neuromyelitis optica? Preliminary results on 188 patients with different neurological diseases. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 467-9	5.5	24
189	Amniotic fluid brain-specific proteins are biomarkers for spinal cord injury in experimental myelomeningocele. <i>Journal of Neurochemistry</i> , 2005 , 95, 594-8	6	24
188	Cerebrospinal fluid ferritin level, a sensitive diagnostic test in late-presenting subarachnoid hemorrhage. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2011 , 20, 489-93	2.8	23
187	Anti-Heat Shock Protein 70 antibody levels are increased in myasthenia gravis and Guillain-Barré syndrome. <i>Journal of Neuroimmunology</i> , 2010 , 225, 180-3	3.5	23
186	Serum and urine nitrate and nitrite are not reliable indicators of intrathecal nitric oxide production in acute brain injury. <i>Journal of the Neurological Sciences</i> , 2003 , 208, 1-7	3.2	23
185	Retinal inner nuclear layer volume reflects inflammatory disease activity in multiple sclerosis; a longitudinal OCT study. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2019 , 5, 2055217319871582	2	22
184	A standardized protocol for quantification of saccadic eye movements: DEMoNS. <i>PLoS ONE</i> , 2018 , 13, e0200695	3.7	22
183	Current and future potential of retinal optical coherence tomography in multiple sclerosis with and without optic neuritis. <i>Neurodegenerative Disease Management</i> , 2014 , 4, 165-76	2.8	22
182	Retinal glymphatic system: an explanation for transient retinal layer volume changes?. <i>Brain</i> , 2016 , 139, 2816-2819	11.2	21
181	Cerebrospinal fluid nitrite/nitrate correlated with oxyhemoglobin and outcome in patients with subarachnoid hemorrhage. <i>Journal of the Neurological Sciences</i> , 2004 , 219, 71-6	3.2	21
180	Peripapillary Ovoid Hyperreflectivity in Optic Disc Edema and Pseudopapilledema. <i>Ophthalmology</i> , 2018 , 125, 1662-1664	7.3	20
179	Serum GFAP levels in optic neuropathies. <i>Journal of the Neurological Sciences</i> , 2012 , 317, 117-22	3.2	20
178	Axonal damage in the making: neurofilament phosphorylation, proton mobility and magnetisation transfer in multiple sclerosis normal appearing white matter. <i>Experimental Neurology</i> , 2011 , 232, 234-9	5.7	20
177	The physiological variation of the retinal nerve fiber layer thickness and macular volume in humans as assessed by spectral domain-optical coherence tomography 2012 , 53, 1251-7		20

176	Hue memory and discrimination in young children. <i>Vision Research</i> , 1998 , 38, 3759-72	2.1	20
175	Comparison of Associations with Different Macular Inner Retinal Thickness Parameters in a Large Cohort: The UK Biobank. <i>Ophthalmology</i> , 2020 , 127, 62-71	7.3	20
174	Elevated vitreous body glial fibrillary acidic protein in retinal diseases. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 2181-6	3.8	19
173	The prognostic value of brain extracellular fluid nitric oxide metabolites after traumatic brain injury. <i>Neurocritical Care</i> , 2013 , 19, 65-8	3.3	19
172	The neurofilament light chain is not stable in vitro. <i>Annals of Neurology</i> , 2011 , 69, 1065-6; author reply 1066-7	9.4	19
171	Longitudinal one-year study of levels and stoichiometry of neurofilament heavy and light chain concentrations in CSF in patients with multiple system atrophy. <i>Journal of the Neurological Sciences</i> , 2009 , 279, 76-9	3.2	19
170	H2O coma. <i>Neurocritical Care</i> , 2007 , 6, 67-71	3.3	19
169	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. <i>Neurology</i> , 2021 , 97, 68-79	6.5	19
168	Young Adults With Anterior Ischemic Optic Neuropathy: A Multicenter Optic Disc Drusen Study. <i>American Journal of Ophthalmology</i> , 2020 , 217, 174-181	4.9	19
167	Quantile regression analysis reveals widespread evidence for gene-environment or gene-gene interactions in myopia development. <i>Communications Biology</i> , 2019 , 2, 167	6.7	18
166	Urinary neopterin and nitric oxide metabolites as markers of interferon beta-1a activity in primary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1066-72	5	18
165	The longitudinal profile of CSF markers during external lumbar drainage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 1130-3	5.5	17
164	Assessing visual fields for driving in patients with paracentral scotomata. <i>British Journal of Ophthalmology</i> , 2008 , 92, 225-30	5.5	17
163	High intracranial pressure, brain herniation and death in cerebral venous thrombosis. <i>Stroke</i> , 2006 , 37, 331-2; author reply 332	6.7	17
162	Neurofilament stoichiometry simulations during neurodegeneration suggest a remarkable self-sufficient and stable in vivo protein structure. <i>Journal of the Neurological Sciences</i> , 2011 , 307, 132-8	3.2	16
161	Matrix metalloproteinases in myasthenia gravis. <i>European Neurology</i> , 2011 , 65, 53-8	2.1	16
160	Diagnosing and quantifying a common deficit in multiple sclerosis: Internuclear ophthalmoplegia. <i>Neurology</i> , 2019 , 92, e2299-e2308	6.5	15
159	A simple sign for recognizing off-axis OCT measurement beam placement in the context of multicentre studies. <i>PLoS ONE</i> , 2012 , 7, e48222	3.7	15

158	The diagnostic and prognostic value of neurofilament heavy chain levels in immune-mediated optic neuropathies. <i>Multiple Sclerosis International</i> , 2012 , 2012, 217802	1.1	15
157	Effects of repeated intrathecal triamcinolone-acetonide application on cerebrospinal fluid biomarkers of axonal damage and glial activity in multiple sclerosis patients. <i>Molecular Diagnosis and Therapy</i> , 2014 , 18, 631-7	4.5	14
156	Microcystic macular oedema in MS: T2 lesion or black hole?. <i>Lancet Neurology</i> , 2012 , 11, 933-4	24.1	14
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