Axel Petzold

List of Publications by Year in Descending Order

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	Blood GFAP as an emerging biomarker in brain and spinal cord disorders.. *Nature Reviews Neurology* , **2022**,	15	9
318	Update on Optic Neuritis: An International View.. *Neuro-Ophthalmology*, **2022**, 46, 1-18	0.9	1
317	Associations of Alcohol Consumption and Smoking With Disease Risk and Neurodegeneration in Individuals With Multiple Sclerosis in the United Kingdom.. *JAMA Network Open*, **2022**, 5, e220902	10.4	0
316	AlzEye: longitudinal record-level linkage of ophthalmic imaging and hospital admissions of 353 157 patients in London, UK.. *BMJ Open*, **2022**, 12, e058552	3	1
315	Interpretation of longitudinal changes of the inner nuclear layer in MS.. *Annals of Neurology*, **2022**,	9.4	1
314	Neuro-Ophthalmic Implications of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Related Infection and Vaccination.. *Asia-Pacific Journal of Ophthalmology*, **2022**, 11, 196-207	3.5	1
313	The prevalence of internuclear ophthalmoparesis in a population-based cohort of individuals with multiple sclerosis.. *Multiple Sclerosis and Related Disorders*, **2022**, 63, 103824	4	0
312	Optical coherence tomography in multiple sclerosis: A 3-year prospective multicenter study. *Annals of Clinical and Translational Neurology*, **2021**, 8, 2235	5.3	3
311	Impaired saccadic eye movements in multiple sclerosis are related to altered functional connectivity of the oculomotor brain network. *NeuroImage: Clinical*, **2021**, 32, 102848	5.3	1
310	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. *Neurology*, **2021**, 97, 68-79	6.5	19
309	Three "Red Lines" for Pattern Recognition-Based Differential Diagnosis Using Optical Coherence Tomography in Clinical Practice. *Journal of Neuro-Ophthalmology*, **2021**, 41, 385-398	2.6	2
308	Artificial intelligence extension of the OSCAR-IB criteria. *Annals of Clinical and Translational Neurology*, **2021**, 8, 1528-1542	5.3	3
307	Seven day pre-analytical stability of serum and plasma neurofilament light chain. *Scientific Reports*, **2021**, 11, 11034	4.9	6
306	Expanding the phenotype of MOG antibody-associated disease (MOGAD): half a century of epilepsy and relapsing optic neuritis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2021**, 92, 340-342	5.5	0
305	Mild progressive multifocal leukoencephalopathy after switching from natalizumab to ocrelizumab. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	9
304	Optical coherence tomography (OCT) in neuro-ophthalmology. *Eye*, **2021**, 35, 17-32	4.4	11
303	Retinal asymmetry in multiple sclerosis. *Brain*, **2021**, 144, 224-235	11.2	4

302	Relationships between retinal layer thickness and brain volumes in the UK Biobank cohort. *European Journal of Neurology*, **2021**, 28, 1490-1498	6	5
301	A model for interrogating the clinico-radiological paradox in multiple sclerosis: Internuclear ophthalmoplegia. *European Journal of Neurology*, **2021**, 28, 1617-1626	6	0
300	Peripapillary Hyper-reflective Ovoid Mass-like Structure (PHOMS): An Optical Coherence Tomography Marker of Axoplasmic Stasis in the Optic Nerve Head. *Journal of Neuro-Ophthalmology* , **2021**, 41, 431-441	2.6	10
299	Reply to "Peripapillary Hyper-Reflective Ovoid Masslike Structures in Astronauts". *Annals of Neurology*, **2021**, 89, 849-850	9.4	
298	Retinal Optical Coherence Tomography in Neuromyelitis Optica. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	5
297	Myelin-oligodendrocyte glycoprotein antibody-associated disease. *Lancet Neurology, The*, **2021**, 20, 762-772	44.1	37
296	Optic neuritis in Asian type opticospinal multiple sclerosis (OSMS-ON) in a non-Asian population: A functional-structural paradox. *Multiple Sclerosis and Related Disorders*, **2021**, 56, 103260	4	0
295	Biomarker Panel to Differentiate Brain Injury From Brain Dysfunction in Patients With Sepsis-Associated Encephalopathy. *Critical Care Medicine*, **2020**, 48, e436-e437	1.4	0
294	Longitudinal Development of Peripapillary Hyper-Reflective Ovoid Masslike Structures Suggests a Novel Pathological Pathway in Multiple Sclerosis. *Annals of Neurology*, **2020**, 88, 309-319	9.4	5
293	Comment on: Morphologic Features of Buried Optic Disc Drusen on En Face Optical Coherence Tomography and Optical Coherence Tomography Angiography. *American Journal of Ophthalmology*, **2020**, 219, 369-370	4.9	2
292	Acute Disseminated Encephalomyelitis with Seizures and Myocarditis: A Fatal Triad. *Medicina (Lithuania)*, **2020**, 56,	3.1	2
291	Vision Loss from Atypical Optic Neuritis: Patient and Physician Perspectives. *Ophthalmology and Therapy*, **2020**, 9, 215-220	5	2
290	CSF levels of glutamine synthetase and GFAP to explore astrocytic damage in seronegative NMOSD. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 605-611	5.5	8
289	Anterior visual system imaging to investigate energy failure in multiple sclerosis. *Brain*, **2020**, 143, 1999-2008	11.2	11
288	Saccadic delay in multiple sclerosis: A quantitative description. *Vision Research*, **2020**, 168, 33-41	2.1	3
287	Automated Pupillometry Using a Prototype Binocular Optical Coherence Tomography System. *American Journal of Ophthalmology*, **2020**, 214, 21-31	4.9	1
286	OCT and Multiple Sclerosis **2020**, 195-233		3
285	Comparison of Associations with Different Macular Inner Retinal Thickness Parameters in a Large Cohort: The UK Biobank. *Ophthalmology*, **2020**, 127, 62-71	7.3	20

284	Protein aggregate formation permits millennium-old brain preservation. *Journal of the Royal Society Interface*, **2020**, 17, 20190775	4.1	4
283	Case for a new corticosteroid treatment trial in optic neuritis: review of updated evidence. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 9-14	5.5	10
282	Trends in Optic Neuritis Incidence and Prevalence in the UK and Association With Systemic and Neurologic Disease. *JAMA Neurology*, **2020**, 77, 1514-1523	17.2	12
281	Multirater Validation of Peripapillary Hyperreflective Ovoid Mass-like Structures (PHOMS). *Neuro-Ophthalmology*, **2020**, 44, 413-414	0.9	3
280	A conscious rethink: Why is brain tissue commonly preserved in the archaeological record? Commentary on: Petrone P, Pucci P, Niola M, et al. Heat-induced brain vitrification from the Vesuvius eruption in C.E. 79. N Engl J Med 2020;382:383-4. DOI: 10.1056/NEJMc1909867. *Science and Technology of Archaeological Research*, **2020**, 6, 87-95	1.2	0
279	Serum neurofilament light chain withstands delayed freezing and repeated thawing. *Scientific Reports*, **2020**, 10, 19982	4.9	12
278	Optical Coherence Tomography Angiography (OCTA) in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. *Frontiers in Neurology*, **2020**, 11, 604049	4.1	7
277	Reply to the letter by Jasmin Zvornič̆nin on the article Prefoveal floaters as a differential diagnosis to optic neuritis: "mouches dormantes". *Acta Neurologica Belgica*, **2020**, 120, 385-386	1.5	
276	Objective quantification of vitreous haze on optical coherence tomography scans: no evidence for relationship between uveitis and inflammation in multiple sclerosis. *European Journal of Neurology*, **2020**, 27, 144-e3	6	6
275	Young Adults With Anterior Ischemic Optic Neuropathy: A Multicenter Optic Disc Drusen Study. *American Journal of Ophthalmology*, **2020**, 217, 174-181	4.9	19
274	Progression of Anterograde Trans-Synaptic Degeneration in the Human Retina Is Modulated by Axonal Convergence and Divergence. *Neuro-Ophthalmology*, **2019**, 43, 382-390	0.9	7
273	Patterns of retrograde axonal degeneration in the visual system. *Brain*, **2019**, 142, 2775-2786	11.2	9
272	Retinal inner nuclear layer volume reflects inflammatory disease activity in multiple sclerosis; a longitudinal OCT study. *Multiple Sclerosis Journal - Experimental, Translational and Clinical*, **2019**, 5, 2055217319871582	2	22
271	The prognostic value of neurofilament levels in patients with sepsis-associated encephalopathy - A prospective, pilot observational study. *PLoS ONE*, **2019**, 14, e0211184	3.7	30
270	An ontological foundation for ocular phenotypes and rare eye diseases. *Orphanet Journal of Rare Diseases*, **2019**, 14, 8	4.2	9
269	Quantile regression analysis reveals widespread evidence for gene-environment or gene-gene interactions in myopia development. *Communications Biology*, **2019**, 2, 167	6.7	18
268	Saccadic fatigability in the oculomotor system. *Journal of the Neurological Sciences*, **2019**, 402, 167-174	3.2	4
267	Aquaporin-4 and myelin oligodendrocyte glycoprotein antibodies in immune-mediated optic neuritis at long-term follow-up. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 1021-1026	5.5	27

266	Diagnosing and quantifying a common deficit in multiple sclerosis: Internuclear ophthalmoplegia. *Neurology*, **2019**, 92, e2299-e2308	6.5	15
265	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. *Annals of Neurology*, **2019**, 85, 618-629	9.4	51
264	Quantification of Visual Fixation in Multiple Sclerosis **2019**, 60, 1372-1383		12
263	A case series on the value of tau and neurofilament protein levels to predict and detect delirium in cardiac surgery patients. *Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia*, **2019**, 163, 241-246	1.7	11
262	A 30´s test for quantitative assessment of a relative afferent pupillary defect (RAPD): the infrared pupillary asymmetry (IPA). *Journal of Neurology*, **2019**, 266, 969-974	5.5	4
261	Treatment of internuclear ophthalmoparesis in multiple sclerosis with fampridine: A randomized double-blind, placebo-controlled cross-over trial. *CNS Neuroscience and Therapeutics*, **2019**, 25, 697-703	6.8	7
260	The relevance of buffer system ionic strength in immunoassay development. *Journal of Immunological Methods*, **2019**, 465, 27-30	2.5	
259	Software updates of OCT segmentation algorithms influence longitudinal assessment of retinal atrophy. *Journal of the Neurological Sciences*, **2018**, 387, 16-20	3.2	5
258	Identification and treatment of the visual processing asymmetry in MS patients with optic neuritis: The Pulfrich phenomenon. *Journal of the Neurological Sciences*, **2018**, 387, 60-69	3.2	3
257	Retinal optical coherence tomography shows optic disc changes in low intracranial pressure headaches: a case report. *Acta Neurologica Belgica*, **2018**, 118, 131-133	1.5	1
256	Multicenter reliability of semiautomatic retinal layer segmentation using OCT. *Neurology: Neuroimmunology and NeuroInflammation*, **2018**, 5, e449	9.1	56
255	Neurodegeneration and Multiple Sclerosis **2018**, 379-400		2
254	Cognitive impairment in patients with multiple sclerosis is associated with atrophy of the inner retinal layers. *Multiple Sclerosis Journal*, **2018**, 24, 158-166	5	30
253	Retinal atrophy in relation to visual functioning and vision-related quality of life in patients with multiple sclerosis. *Multiple Sclerosis Journal*, **2018**, 24, 767-776	5	13
252	Treating the Eyes to Help the Brain: The Association Between Visual and Cognitive Function. *JAMA Ophthalmology*, **2018**, 136, 996-997	3.9	1
251	A motor neuron strategy to save time and energy in neurodegeneration: adaptive protein stoichiometry. *Journal of Neurochemistry*, **2018**, 146, 631-641	6	12
250	A standardized protocol for quantification of saccadic eye movements: DEMoNS. *PLoS ONE*, **2018**, 13, e0200695	3.7	22
249	The Pulfrich Phenomenon: Practical Implications of the Assessment of Cases and Effectiveness of Treatment. *Neuro-Ophthalmology*, **2018**, 42, 349-355	0.9	3

248	Peripapillary Hyperreflective Ovoid Mass-Like Structures: Is It Optic Disc Drusen or Not?: Response. *Journal of Neuro-Ophthalmology*, **2018**, 38, 568-570	2.6	10
247	Peripapillary Ovoid Hyperreflectivity in Optic Disc Edema and Pseudopapilledema. *Ophthalmology*, **2018**, 125, 1662-1664	7.3	20
246	Biomarkers of Disease Progression **2018**, 123-154		1
245	The Optic Disc Drusen Studies Consortium Recommendations for Diagnosis of Optic Disc Drusen Using Optical Coherence Tomography. *Journal of Neuro-Ophthalmology*, **2018**, 38, 299-307	2.6	78
244	The International Multiple Sclerosis Visual System Consortium: Advancing Visual System Research in Multiple Sclerosis. *Journal of Neuro-Ophthalmology*, **2018**, 38, 494-501	2.6	8
243	The role of optical coherence tomography and infrared oculography in assessing the visual pathway and CNS in multiple sclerosis. *Neurodegenerative Disease Management*, **2018**, 8, 323-335	2.8	2
242	Neurofilaments as biomarkers in neurological disorders. *Nature Reviews Neurology*, **2018**, 14, 577-589	15	627
241	Applying the 2017 McDonald diagnostic criteria for multiple sclerosis. *Lancet Neurology, The*, **2018**, 17, 496-497	24.1	5
240	Association of Retinal Nerve Fiber Layer Thinning With Current and Future Cognitive Decline: A Study Using Optical Coherence Tomography. *JAMA Neurology*, **2018**, 75, 1198-1205	17.2	79
239	A rare cause for visual symptoms in multiple sclerosis: posterior internuclear ophthalmoplegia of Lutz, a historical misnomer. *Journal of Neurology*, **2017**, 264, 600-602	5.5	4
238	Case 3-2017: A Man with Cardiac Sarcoidosis and New Diplopia and Weakness. *New England Journal of Medicine*, **2017**, 376, 1897	59.2	
237	Neuroprotection and visual function after optic neuritis. *Current Opinion in Neurology*, **2017**, 30, 67-73	7.1	7
236	Optical coherence tomography angiography and retinal microvascular ramification in acute macular neuroretinopathy and paracentral acute middle maculopathy. *Survey of Ophthalmology*, **2017**, 62, 387-389	6.1	4
235	Translational evidence for two distinct patterns of neuroaxonal injury in sepsis: a longitudinal, prospective translational study. *Critical Care*, **2017**, 21, 262	10.8	32
234	Volume rendering of superficial optic disc drusen. *Spektrum Der Augenheilkunde*, **2017**, 31, 288-293	0	2
233	Time is vision in recurrent optic neuritis. *Brain Research*, **2017**, 1673, 95-101	3.7	4
232	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. *Lancet Neurology, The*, **2017**, 16, 797-812	24.1	243
231	Diagnostic accuracy of optical coherence tomography inter-eye percentage difference for optic neuritis in multiple sclerosis. *European Journal of Neurology*, **2017**, 24, 1479-1484	6	25

230	Structure-function relationships in the visual system in multiple sclerosis: an MEG and OCT study. *Annals of Clinical and Translational Neurology*, **2017**, 4, 614-621	5.3	7
229	Biomarkers in Neurodegenerative Diseases. *Advances in Neurobiology*, **2017**, 15, 491-528	2.1	32
228	Prefoveal floaters as a differential diagnosis to optic neuritis: "mouches dormantes". *Acta Neurologica Belgica*, **2017**, 117, 703-705	1.5	3
227	Serum Compounds of Energy Metabolism Impairment Are Related to Disability, Disease Course and Neuroimaging in Multiple Sclerosis. *Molecular Neurobiology*, **2017**, 54, 7520-7533	6.2	32
226	Retinal glymphatic system: an explanation for transient retinal layer volume changes?. *Brain*, **2016**, 139, 2816-2819	11.2	21
225	The APOSTEL recommendations for reporting quantitative optical coherence tomography studies. *Neurology*, **2016**, 87, 1960	6.5	6
224	Elevated CSF neurofilament proteins predict brain atrophy: A 15-year follow-up study. *Multiple Sclerosis Journal*, **2016**, 22, 1154-62	5	33
223	Maintenance Intravenous Fluids in Acutely Ill Patients. *New England Journal of Medicine*, **2016**, 374, 290-1	59.2	7
222	The prevalence of microcystic macular changes on optical coherence tomography of the macular region in optic nerve atrophy of non-neuritis origin: a prospective study. *British Journal of Ophthalmology*, **2016**, 100, 216-21	5.5	13
221	Retinal thickness measured with optical coherence tomography and risk of disability worsening in multiple sclerosis: a cohort study. *Lancet Neurology, The*, **2016**, 15, 574-84	24.1	194
220	Optical Coherence Tomography to Assess Neurodegeneration in Multiple Sclerosis. *Methods in Molecular Biology*, **2016**, 1304, 131-41	1.4	8
219	Clinical Use of OCT and MSON Mimics **2016**, 59-83		
218	Optical Coherence Tomography (OCT) **2016**, 21-46		
217	Plasma neurofilament heavy chain is not a useful biomarker in Charcot-Marie-Tooth disease. *Muscle and Nerve*, **2016**, 53, 972-5	3.4	10
216	The APOSTEL recommendations for reporting quantitative optical coherence tomography studies. *Neurology*, **2016**, 86, 2303-9	6.5	240
215	Timing of retinal neuronal and axonal loss in MS: a longitudinal OCT study. *Journal of Neurology*, **2016**, 263, 1323-31	5.5	78
214	Autoimmunity in visual loss. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2016**, 133, 353-76	3	10
213	An early case of a natural barrier to axonal degeneration. *Journal of Neurology*, **2016**, 263, 2330-2331	5.5	1

212	Plasma neurofilament heavy chain levels and disease progression in amyotrophic lateral sclerosis: insights from a longitudinal study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 565-73	5.5	74
211	Pain in Optic Perineuritis: Author Response. *Neuro-Ophthalmology*, **2015**, 39, 101-102	0.9	
210	Neurofilament light chain: A prognostic biomarker in amyotrophic lateral sclerosis. *Neurology*, **2015**, 84, 2247-57	6.5	293
209	Disorders of plasma sodium. *New England Journal of Medicine*, **2015**, 372, 1269	59.2	9
208	Quality control for retinal OCT in multiple sclerosis: validation of the OSCAR-IB criteria. *Multiple Sclerosis Journal*, **2015**, 21, 163-70	5	172
207	Elevated vitreous body glial fibrillary acidic protein in retinal diseases. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2015**, 253, 2181-6	3.8	19
206	The impact of Tween 20 on repeatability of amyloid and tau measurements in cerebrospinal fluid. *Clinical Chemistry and Laboratory Medicine*, **2015**, 53, e329-32	5.9	4
205	Bidirectional trans-synaptic axonal degeneration in the visual pathway in multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 419-24	5.5	79
204	Serum neurofilament light chain is a biomarker of human spinal cord injury severity and outcome. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 273-9	5.5	105
203	Visual pathway neurodegeneration winged by mitochondrial dysfunction. *Annals of Clinical and Translational Neurology*, **2015**, 2, 140-50	5.3	12
202	The prognostic value of CSF neurofilaments in multiple sclerosis at 15-year follow-up. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 1388-90	5.5	26
201	Glial fibrillary acidic protein is a body fluid biomarker for glial pathology in human disease. *Brain Research*, **2015**, 1600, 17-31	3.7	52
200	Diagnostic clues and manifesting carriers in fukutin-related protein (FKRP) limb-girdle muscular dystrophy. *Journal of the Neurological Sciences*, **2015**, 348, 266-8	3.2	5
199	Distribution of retinal layer atrophy in patients with Parkinson disease and association with disease severity and duration. *American Journal of Ophthalmology*, **2014**, 157, 470-478.e2	4.9	101
198	Serum lactate as a novel potential biomarker in multiple sclerosis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1137-43	6.9	58
197	Serum phosphorylated neurofilament-heavy chain levels in multiple sclerosis patients. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 1209-13	5.5	27
196	Neurofilament heavy chain as a marker of neuroaxonal pathology and prognosis in acute encephalitis. *European Journal of Neurology*, **2014**, 21, 845-50	6	8
195	Diagnosis and classification of autoimmune optic neuropathy. *Autoimmunity Reviews*, **2014**, 13, 539-45	13.6	54

194	Disease course heterogeneity and OCT in multiple sclerosis. *Multiple Sclerosis Journal*, **2014**, 20, 1198-206	5	36
193	Biomarker time out. *Multiple Sclerosis Journal*, **2014**, 20, 1560-3	5	2
192	Re: Garcia-Martin et al.: Retinal layer segmentation in patients with multiple sclerosis using spectral domain optical coherence tomography (Ophthalmology 2014;121:573-9). *Ophthalmology*, **2014**, 121, e63	7.3	1
191	Physiological variation of retinal layer thickness is not caused by hydration: a randomised trial. *Journal of the Neurological Sciences*, **2014**, 344, 88-93	3.2	8
190	The investigation of acute optic neuritis: a review and proposed protocol. *Nature Reviews Neurology*, **2014**, 10, 447-58	15	188
189	Distribution of retinal layer atrophy in patients with Parkinson disease and association with disease severity and duration. *American Journal of Ophthalmology*, **2014**, 158, 845	4.9	4
188	Neurofilaments as a plasma biomarker for ICU-acquired weakness: an observational pilot study. *Critical Care*, **2014**, 18, R18	10.8	10
187	Retinal segmentation to demonstrate hyperplasia in ataxia of Charlevoix-Saguenay: critique on study methodology and results **2014**, 55, 4728		
186	Effects of repeated intrathecal triamcinolone-acetonide application on cerebrospinal fluid biomarkers of axonal damage and glial activity in multiple sclerosis patients. *Molecular Diagnosis and Therapy*, **2014**, 18, 631-7	4.5	14
185	Recurrent Optic Perineuritis after Intranasal Cocaine Abuse. *Neuro-Ophthalmology*, **2014**, 38, 91-95	0.9	7
184	A dam for retrograde axonal degeneration in multiple sclerosis?. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 782-9	5.5	67
183	Cerebrospinal fluid transferrin levels are reduced in patients with early multiple sclerosis. *Multiple Sclerosis Journal*, **2014**, 20, 1569-77	5	10
182	Current and future potential of retinal optical coherence tomography in multiple sclerosis with and without optic neuritis. *Neurodegenerative Disease Management*, **2014**, 4, 165-76	2.8	22
181	Neurodegeneration and Multiple Sclerosis **2014**, 227-245		5
180	The clinical spectrum of microcystic macular edema **2014**, 55, 952-61		72
179	Chronic relapsing inflammatory optic neuropathy: a systematic review of 122 cases reported. *Journal of Neurology*, **2014**, 261, 17-26	5.5	86
178	Retinal hyperaemia-related blood vessel artifacts are relevant to automated OCT layer segmentation. *Journal of Neurology*, **2014**, 261, 511-7	5.5	3
177	Patterns of non-embolic transient monocular visual field loss. *Journal of Neurology*, **2013**, 260, 1889-900	5.5	9

176	Pain management in neurocritical care. *Neurocritical Care*, **2013**, 19, 232-56	3.3	7
175	The prognostic value of brain extracellular fluid nitric oxide metabolites after traumatic brain injury. *Neurocritical Care*, **2013**, 19, 65-8	3.3	19
174	Fatal B-cell lymphoma following chronic lymphocytic inflammation with pontine perivascular enhancement responsive to steroids. *JAMA Neurology*, **2013**, 70, 915-8	17.2	74
173	Intrathecal oligoclonal IgG synthesis in multiple sclerosis. *Journal of Neuroimmunology*, **2013**, 262, 1-10	3.5	91
172	Physiological variation of segmented OCT retinal layer thicknesses is short-lasting. *Journal of Neurology*, **2013**, 260, 3109-14	5.5	6
171	Optic Neuritis: Another Dickensian Diagnosis. *Neuro-Ophthalmology*, **2013**, 37, 247-250	0.9	2
170	Loss of retinal nerve fibre layer axons indicates white but not grey matter damage in early multiple sclerosis. *European Journal of Neurology*, **2013**, 20, 803-11	6	45
169	The utility of cerebrospinal fluid analysis in patients with multiple sclerosis. *Nature Reviews Neurology*, **2013**, 9, 267-76	15	144
168	Embolic and nonembolic transient monocular visual field loss: a clinicopathologic review. *Survey of Ophthalmology*, **2013**, 58, 42-62	6.1	35
167	Should CLIPPERS be considered a Prelymphoma state or a new Inflammatory disease. *JAMA Neurology*, **2013**, 70, 1201	17.2	2
166	Chronic lymphocytic inflammation with Pontine perivascular enhancement responsive to steroids and fatal B-cell lymphoma--reply. *JAMA Neurology*, **2013**, 70, 1459-60	17.2	1
165	Cerebrospinal fluid analyses for the diagnosis of subarachnoid haemorrhage and experience from a Swedish study. What method is preferable when diagnosing a subarachnoid haemorrhage?. *Clinical Chemistry and Laboratory Medicine*, **2013**, 51, 2073-86	5.9	29
164	Serial cerebrospinal fluid neurofilament heavy chain levels in severe Guillain-Barr[illegible]syndrome. *Muscle and Nerve*, **2013**, 48, 132-4	3.4	8
163	Influence of the eye-tracking-based follow-up function in retinal nerve fiber layer thickness using fourier-domain optical coherence tomography **2013**, 54, 3045		13
162	Optical Coherence Tomography Reveals Distinct Patterns of Retinal Damage in Neuromyelitis Optica and Multiple Sclerosis. *PLoS ONE*, **2013**, 8, e66151	3.7	125
161	Increased neurofilament light chain blood levels in neurodegenerative neurological diseases. *PLoS ONE*, **2013**, 8, e75091	3.7	265
160	Biomarkers of Disease Progression **2013**, 115-146		2
159	Neurofilament heavy chain and heat shock protein 70 as markers of seizure-related brain injury. *Epilepsia*, **2012**, 53, 922-7	6.4	24

158	Serial soluble neurofilament heavy chain in plasma as a marker of brain injury after cardiac arrest. *Critical Care*, **2012**, 16, R45	10.8	30
157	Roadmap and standard operating procedures for biobanking and discovery of neurochemical markers in ALS. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2012**, 13, 1-10		65
156	Microcystic macular oedema in MS: T2 lesion or black hole?. *Lancet Neurology, The*, **2012**, 11, 933-4	24.1	14
155	Serum GFAP levels in optic neuropathies. *Journal of the Neurological Sciences*, **2012**, 317, 117-22	3.2	20
154	The OSCAR-IB consensus criteria for retinal OCT quality assessment. *PLoS ONE*, **2012**, 7, e34823	3.7	283
153	A simple sign for recognizing off-axis OCT measurement beam placement in the context of multicentre studies. *PLoS ONE*, **2012**, 7, e48222	3.7	15
152	Anti-voltage-gated potassium channel Kv1.4 antibodies in myasthenia gravis. *Journal of Neurology*, **2012**, 259, 1312-6	5.5	45
151	Glial S100B is elevated in serum across the spectrum of West Nile virus infection. *Muscle and Nerve*, **2012**, 45, 826-30	3.4	12
150	Recurrent laughter-induced syncope. *Neurologist*, **2012**, 18, 214-5	1.6	2
149	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
148	Comment on "chronic traumatic encephalopathy in blast-exposed military veterans and a blast neurotrauma mouse model". *Science Translational Medicine*, **2012**, 4, 157le8; author reply 157lr5	17.5	6
147	The diagnostic and prognostic value of neurofilament heavy chain levels in immune-mediated optic neuropathies. *Multiple Sclerosis International*, **2012**, 2012, 217802	1.1	15
146	Microcystic macular oedema confirmed, but not specific for multiple sclerosis. *Brain*, **2012**, 135, e226; author reply e227	11.2	57
145	Plasma neurofilament heavy chain levels correlate to markers of late stage disease progression and treatment response in SOD1(G93A) mice that model ALS. *PLoS ONE*, **2012**, 7, e40998	3.7	38
144	What makes a prognostic biomarker in CNS diseases: strategies for targeted biomarker discovery? Part 1: acute and monophasic diseases. *Expert Opinion on Medical Diagnostics*, **2011**, 5, 333-46		8
143	What makes a prognostic biomarker in CNS diseases: strategies for targeted biomarker discovery? Part 2: chronic progressive and relapsing disease. *Expert Opinion on Medical Diagnostics*, **2011**, 5, 393-410		3
142	Neurofilament stoichiometry simulations during neurodegeneration suggest a remarkable self-sufficient and stable in vivo protein structure. *Journal of the Neurological Sciences*, **2011**, 307, 132-8	3.2	16
141	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. *Journal of Archaeological Science*, **2011**, 38, 1641-1654	2.9	28

140	Cerebrospinal fluid ferritin level, a sensitive diagnostic test in late-presenting subarachnoid hemorrhage. *Journal of Stroke and Cerebrovascular Diseases*, **2011**, 20, 489-93	2.8	23
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