

# Laura J Balcer

## List of Publications by Year in descending order

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Version: 2024-02-01

133  
papers

5,793  
citations

94381

37  
h-index

82499

72  
g-index

134  
all docs

134  
docs citations

134  
times ranked

5286  
citing authors

#	ARTICLE	IF	CITATIONS
1	The MICK (Mobile integrated cognitive kit) app: Digital rapid automatized naming for visual assessment across the spectrum of neurological disorders. <i>Journal of the Neurological Sciences</i> , 2022, 434, 120150.	0.3	7
2	Comparison of serum neurodegenerative biomarkers among hospitalized COVID-19 patients versus non-COVID subjects with normal cognition, mild cognitive impairment, or Alzheimer's dementia. <i>Alzheimer's and Dementia</i> , 2022, 18, 899-910.	0.4	87
3	Demographic and social determinants of cognitive dysfunction following hospitalization for COVID-19. <i>Journal of the Neurological Sciences</i> , 2022, 438, 120146.	0.3	26
4	Trajectories of Neurologic Recovery 12 Months After Hospitalization for COVID-19. <i>Neurology</i> , 2022, 99, .	1.5	33
5	Training in Neurology: Objective Structured Clinical Examination Case to Teach and Model Feedback Skills in Neurology Residency. <i>Neurology</i> , 2022, 98, 684-689.	1.5	4
6	Apparent lack of association of COVID-19 vaccination with Herpes Zoster. <i>American Journal of Ophthalmology Case Reports</i> , 2022, 26, 101549.	0.4	6
7	Feasibility of Smartphone-Delivered Progressive Muscle Relaxation in Persistent Post-Traumatic Headache Patients. <i>Journal of Neurotrauma</i> , 2021, 38, 94-101.	1.7	7
8	Cerebrospinal fluid in COVID-19: A systematic review of the literature. <i>Journal of the Neurological Sciences</i> , 2021, 421, 117316.	0.3	131
9	How sandbag-able are concussion sideline assessments? A close look at eye movements to uncover strategies. <i>Brain Injury</i> , 2021, 35, 426-435.	0.6	10
10	Sleep-deprived residents and rapid picture naming performance using the Mobile Universal Lexicon Evaluation System (MULES) test. <i>ENeurologicalSci</i> , 2021, 22, 100323.	0.5	1
11	Toxic Metabolic Encephalopathy in Hospitalized Patients with COVID-19. <i>Neurocritical Care</i> , 2021, 35, 693-706.	1.2	28
12	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. <i>Neurology</i> , 2021, 97, 68-79.	1.5	96
13	Artificial intelligence extension of the OSCAR criteria. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1528-1542.	1.7	33
14	Natalizumab in Early Relapsing-Remitting Multiple Sclerosis: A 4-Year, Open-Label Study. <i>Advances in Therapy</i> , 2021, 38, 3724-3742.	1.3	13
15	Exploration of Rapid Automatized Naming and Standard Visual Tests in Prodromal Alzheimer Disease Detection. <i>Journal of Neuro-Ophthalmology</i> , 2021, Publish Ahead of Print, .	0.4	3
16	COVID-19 associated brain/spinal cord lesions and leptomeningeal enhancement: A meta-analysis of the relationship to CSF SARS-CoV-2. <i>Journal of Neuroimaging</i> , 2021, 31, 826-848.	1.0	12
17	A prospective study of long-term outcomes among hospitalized COVID-19 patients with and without neurological complications. <i>Journal of the Neurological Sciences</i> , 2021, 426, 117486.	0.3	134
18	Cerebrospinal fluid findings in patients with seizure in the setting of COVID-19: A review of the literature. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 89, 99-106.	0.9	13

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19	Prevalence and Predictors of Prolonged Cognitive and Psychological Symptoms Following COVID-19 in the United States. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 690383.	1.7	34
20	Cerebrospinal fluid from COVID-19 patients with olfactory/gustatory dysfunction: A review. <i>Clinical Neurology and Neurosurgery</i> , 2021, 207, 106760.	0.6	9
21	Developing methods to detect and diagnose chronic traumatic encephalopathy during life: rationale, design, and methodology for the DIAGNOSE CTE Research Project. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 136.	3.0	30
22	Long-term outcomes in patients presenting with optic neuritis: Analyses of the MSBase registry. <i>Journal of the Neurological Sciences</i> , 2021, 430, 118067.	0.3	9
23	Report From the National Eye Institute Workshop on Neuro-Ophthalmic Disease Clinical Trial Endpoints: Optic Neuropathies. , 2021, 62, 30.		6
24	King-Devick Test Performance and Cognitive Dysfunction after Concussion: A Pilot Eye Movement Study. <i>Brain Sciences</i> , 2021, 11, 1571.	1.1	2
25	Alterations in the retinal vasculature occur in multiple sclerosis and exhibit novel correlations with disability and visual function measures. <i>Multiple Sclerosis Journal</i> , 2020, 26, 815-828.	1.4	66
26	Contrast Acuity and the King-Devick Test in Huntington's Disease. <i>Neuro-Ophthalmology</i> , 2020, 44, 219-225.	0.4	3
27	Afferent and Efferent Visual Markers of Alzheimer's Disease: A Review and Update in Early Stage Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 572337.	1.7	15
28	Role for OCT in detecting hemi-macular ganglion cell layer thinning in patients with multiple sclerosis and related demyelinating diseases. <i>Journal of the Neurological Sciences</i> , 2020, 419, 117159.	0.3	4
29	The complexity of eye-hand coordination: a perspective on cortico-cerebellar cooperation. <i>Cerebellum and Ataxias</i> , 2020, 7, 14.	1.9	6
30	Concerning Vision Therapy and Ocular Motor Training in Mild Traumatic Brain Injury. <i>Annals of Neurology</i> , 2020, 88, 1053-1054.	2.8	1
31	Prevalence and Impact of Hyponatremia in Patients With Coronavirus Disease 2019 in New York City. <i>Critical Care Medicine</i> , 2020, 48, e1211-e1217.	0.4	66
32	Rapid implementation of virtual neurology in response to the COVID-19 pandemic. <i>Neurology</i> , 2020, 94, 1077-1087.	1.5	113
33	Education Research: Teaching and assessing communication and professionalism in neurology residency with simulation. <i>Neurology</i> , 2020, 94, 229-232.	1.5	11
34	Training in neurology: Flexibility and adaptability of a neurology training program at the epicenter of COVID-19. <i>Neurology</i> , 2020, 94, e2608-e2614.	1.5	39
35	The SUN test of vision: Investigation in healthy volunteers and comparison to the mobile universal lexicon evaluation system (MULES). <i>Journal of the Neurological Sciences</i> , 2020, 415, 116953.	0.3	8
36	Optical coherence tomography of the retina in schizophrenia: Inter-device agreement and relations with perceptual function. <i>Schizophrenia Research</i> , 2020, 219, 13-18.	1.1	16

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37	Rapid picture naming in Parkinson's disease using the Mobile Universal Lexicon Evaluation System (MULES). <i>Journal of the Neurological Sciences</i> , 2020, 410, 116680.	0.3	8
38	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, 205521731987158.	0.5	34
39	Outcomes of natalizumab treatment within 3 years of relapsing-remitting multiple sclerosis diagnosis: a prespecified 2-year interim analysis of STRIVE. <i>BMC Neurology</i> , 2019, 19, 116.	0.8	33
40	Clinical Reasoning: A 55-year-old obese woman with headache and rhinorrhea. <i>Neurology</i> , 2019, 92, e2614-e2617.	1.5	0
41	Eye position-dependent opsoclonus in mild traumatic brain injury. <i>Progress in Brain Research</i> , 2019, 249, 65-78.	0.9	10
42	MULES on the sidelines: A vision-based assessment tool for sports-related concussion. <i>Journal of the Neurological Sciences</i> , 2019, 402, 52-56.	0.3	10
43	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. <i>Annals of Neurology</i> , 2019, 85, 618-629.	2.8	104
44	History and Future Directions of Vision Testing in Head Trauma. <i>Journal of Neuro-Ophthalmology</i> , 2019, 39, 68-81.	0.4	17
45	Assessment of vision in concussion. <i>Current Opinion in Neurology</i> , 2019, 32, 68-74.	1.8	26
46	Characteristics of morphologic macular abnormalities in neuroimmunology practice. <i>Multiple Sclerosis Journal</i> , 2019, 25, 361-371.	1.4	2
47	The new Mobile Universal Lexicon Evaluation System (MULES): A test of rapid picture naming for concussion sized for the sidelines. <i>Journal of the Neurological Sciences</i> , 2018, 387, 199-204.	0.3	24
48	Visual Pathway Measures are Associated with Neuropsychological Function in Multiple Sclerosis. <i>Current Eye Research</i> , 2018, 43, 941-948.	0.7	15
49	Identification and treatment of the visual processing asymmetry in MS patients with optic neuritis: The Pulfrich phenomenon. <i>Journal of the Neurological Sciences</i> , 2018, 387, 60-69.	0.3	5
50	The optic nerve should be included as one of the typical CNS regions for establishing dissemination in space when diagnosing MS – Yes. <i>Multiple Sclerosis Journal</i> , 2018, 24, 121-122.	1.4	14
51	Optimal Intereye Difference Thresholds in Retinal Nerve Fiber Layer Thickness for Predicting a Unilateral Optic Nerve Lesion in Multiple Sclerosis. <i>Journal of Neuro-Ophthalmology</i> , 2018, 38, 451-458.	0.4	46
52	Analysis of Agreement of Retinal-Layer Thickness Measures Derived from the Segmentation of Horizontal and Vertical Spectralis OCT Macular Scans. <i>Current Eye Research</i> , 2018, 43, 415-423.	0.7	12
53	Validity of low-resolution eye-tracking to assess eye movements during a rapid number naming task: performance of the eyetribe eye tracker. <i>Brain Injury</i> , 2018, 32, 200-208.	0.6	11
54	The MSOAC approach to developing performance outcomes to measure and monitor multiple sclerosis disability. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1469-1484.	1.4	41

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55	The International Multiple Sclerosis Visual System Consortium: Advancing Visual System Research in Multiple Sclerosis. <i>Journal of Neuro-Ophthalmology</i> , 2018, 38, 494-501.	0.4	15
56	Microvascular blood flow velocities measured with a retinal function imager: inter-eye correlations in healthy controls and an exploration in multiple sclerosis. <i>Eye and Vision (London, England)</i> , 2018, 5, 29.	1.4	13
57	Neuro-ophthalmologic disorders following concussion. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018, 158, 145-152.	1.0	17
58	Education Research: Simulation training for neurology residents on acquiring tPA consent. <i>Neurology</i> , 2018, 91, e2276-e2279.	1.5	9
59	Brain and retinal atrophy in African-Americans versus Caucasian-Americans with multiple sclerosis: a longitudinal study. <i>Brain</i> , 2018, 141, 3115-3129.	3.7	67
60	The effect of linguistic background on rapid number naming: implications for native versus non-native English speakers on sideline-focused concussion assessments. <i>Brain Injury</i> , 2018, 32, 1690-1699.	0.6	0
61	Mobile Universal Lexicon Evaluation System (MULES) in MS: Evaluation of a new visual test of rapid picture naming. <i>Journal of the Neurological Sciences</i> , 2018, 394, 1-5.	0.3	12
62	Disease-modifying therapies modulate retinal atrophy in multiple sclerosis. <i>Neurology</i> , 2017, 88, 525-532.	1.5	73
63	Retinal Architecture and Melanopsin-Mediated Pupillary Response Characteristics. <i>JAMA Neurology</i> , 2017, 74, 574.	4.5	27
64	Validity of low-contrast letter acuity as a visual performance outcome measure for multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 734-747.	1.4	127
65	Safety and efficacy of opicinumab in acute optic neuritis (RENEW): a randomised, placebo-controlled, phase 2 trial. <i>Lancet Neurology</i> , The, 2017, 16, 189-199.	4.9	210
66	Emergency Department concussion revisits: Chart review of the evaluation and discharge plans of post-traumatic headache patients. <i>American Journal of Emergency Medicine</i> , 2017, 35, 365-367.	0.7	5
67	Mobile Universal Lexicon Evaluation System (MULES) test: A new measure of rapid picture naming for concussion. <i>Journal of the Neurological Sciences</i> , 2017, 372, 393-398.	0.3	27
68	Capturing saccades in multiple sclerosis with a digitized test of rapid number naming. <i>Journal of Neurology</i> , 2017, 264, 989-998.	1.8	18
69	King-Devick Test identifies real-time concussion and asymptomatic concussion in youth athletes. <i>Neurology: Clinical Practice</i> , 2017, 7, 464-473.	0.8	21
70	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. <i>Lancet Neurology</i> , The, 2017, 16, 797-812.	4.9	397
71	Clinical Reasoning: A 27-year-old man with unsteady gait. <i>Neurology</i> , 2017, 89, e120-e123.	1.5	1
72	Rapid sideline performance meets outpatient clinic: Results from a multidisciplinary concussion center registry. <i>Journal of the Neurological Sciences</i> , 2017, 379, 312-317.	0.3	25

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73	Post-traumatic headache: the use of the sport concussion assessment tool (SCAT-3) as a predictor of post-concussion recovery. <i>Journal of Headache and Pain</i> , 2017, 18, 60.	2.5	18
74	Screening Utility of the King-Devick Test in Mild Cognitive Impairment and Alzheimer Disease Dementia. <i>Alzheimer Disease and Associated Disorders</i> , 2017, 31, 152-158.	0.6	34
75	Correspondence regarding: Post-traumatic headache: the use of the sport concussion assessment tool (SCAT-3) as a predictor of post-concussion recovery. <i>Journal of Headache and Pain</i> , 2017, 18, 92.	2.5	2
76	Optical coherence tomography in an optic tract lesion. <i>Neurology</i> , 2016, 87, 2063-2064.	1.5	2
77	Binocular low-contrast letter acuity and the symbol digit modalities test improve the ability of the Multiple Sclerosis Functional Composite to predict disease in pediatric multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 10, 73-78.	0.9	11
78	The King-Devick test of rapid number naming for concussion detection: meta-analysis and systematic review of the literature. <i>Concussion</i> , 2016, 1, CNC8.	1.2	118
79	Utility of optical coherence tomography in the evaluation of monocular visual loss related to retinal ischemia. <i>Journal of Clinical Neuroscience</i> , 2016, 26, 116-121.	0.8	3
80	Ocular motor assessment in concussion: Current status and future directions. <i>Journal of the Neurological Sciences</i> , 2016, 361, 79-86.	0.3	109
81	Objectifying eye movements during rapid number naming: Methodology for assessment of normative data for the King-Devick test. <i>Journal of the Neurological Sciences</i> , 2016, 362, 232-239.	0.3	46
82	Abnormal Visual Contrast Acuity in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2015, 5, 125-130.	1.5	33
83	Optical coherence tomography reflects brain atrophy in multiple sclerosis: A four-year study. <i>Annals of Neurology</i> , 2015, 78, 801-813.	2.8	304
84	Survey of Opioid and Barbiturate Prescriptions in Patients Attending a Tertiary Care Headache Center. <i>Headache</i> , 2015, 55, 1183-1191.	1.8	15
85	Basic principles of optical coherence tomography. , 2015, , 4-13.		2
86	Adding Vision to Concussion Testing. <i>Journal of Neuro-Ophthalmology</i> , 2015, 35, 235-241.	0.4	128
87	The Concussion Toolbox: The Role of Vision in the Assessment of Concussion. <i>Seminars in Neurology</i> , 2015, 35, 599-606.	0.5	45
88	Optical Coherence Tomography for the Neurologist. <i>Seminars in Neurology</i> , 2015, 35, 564-577.	0.5	20
89	Acute optic neuritis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2015, 2, e135.	3.1	81
90	Re-evaluating the treatment of acute optic neuritis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 799-808.	0.9	29

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91	Orbital compartment syndrome after head trauma – Authors' reply. <i>Lancet Neurology</i> , The, 2015, 14, 137.	4.9	1
92	Analysis of the treatment of neuromyelitis optica. <i>Journal of the Neurological Sciences</i> , 2015, 351, 31-35.	0.3	86
93	Gender and age predict outcomes of cognitive, balance and vision testing in a multidisciplinary concussion center. <i>Journal of the Neurological Sciences</i> , 2015, 353, 111-115.	0.3	59
94	Quality of life in idiopathic intracranial hypertension at diagnosis. <i>Neurology</i> , 2015, 84, 2449-2456.	1.5	79
95	Vision testing is additive to the sideline assessment of sports-related concussion. <i>Neurology: Clinical Practice</i> , 2015, 5, 25-34.	0.8	60
96	Vision in a Phase 3 Trial of Natalizumab for Multiple Sclerosis. <i>Journal of Neuro-Ophthalmology</i> , 2015, 35, 6-11.	0.4	19
97	Vision and vision-related outcome measures in multiple sclerosis. <i>Brain</i> , 2015, 138, 11-27.	3.7	168
98	Relation of quantitative visual and neurologic outcomes to fatigue in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2015, 4, 304-310.	0.9	18
99	Peginterferon beta-1a in multiple sclerosis: 2-year results from ADVANCE. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1025-1035.	1.4	91
100	Retinal architecture and mfERG. <i>Neurology</i> , 2014, 82, 1888-1896.	1.5	12
101	Disparities in Accessibility of Certified Primary Stroke Centers. <i>Stroke</i> , 2014, 45, 3381-3388.	1.0	52
102	Clinical Trials to Clinical Use. <i>Journal of Neuro-Ophthalmology</i> , 2014, 34, S18-S23.	0.4	18
103	Association of Race/Ethnicity With Visual Outcomes Following Acute Optic Neuritis. <i>JAMA Ophthalmology</i> , 2014, 132, 421.	1.4	27
104	Slowing of number naming speed by King's Devick Test in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 226-229.	1.1	30
105	Pegylated interferon beta-1a for relapsing-remitting multiple sclerosis (ADVANCE): a randomised, phase 3, double-blind study. <i>Lancet Neurology</i> , The, 2014, 13, 657-665.	4.9	339
106	The neuro-ophthalmology of head trauma. <i>Lancet Neurology</i> , The, 2014, 13, 1006-1016.	4.9	179
107	The King's Devick (K-D) test of rapid eye movements: A bedside correlate of disability and quality of life in MS. <i>Journal of the Neurological Sciences</i> , 2014, 343, 105-109.	0.3	32
108	Saccades and memory: Baseline associations of the King's Devick and SCAT2 SAC tests in professional ice hockey players. <i>Journal of the Neurological Sciences</i> , 2013, 328, 28-31.	0.3	119

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109	Sports-related concussion. <i>Neurology: Clinical Practice</i> , 2013, 3, 279-287.	0.8	147
110	Low-contrast acuity measures visual improvement in phase 3 trial of natalizumab in relapsing MS. <i>Journal of the Neurological Sciences</i> , 2012, 318, 119-124.	0.3	52
111	The Kingâ€™Devick test and sports-related concussion: Study of a rapid visual screening tool in a collegiate cohort. <i>Journal of the Neurological Sciences</i> , 2011, 309, 34-39.	0.3	263
112	THE NEURO-OPHTHALMOLOGY OF MULTIPLE SCLEROSIS. CONTINUUM Lifelong Learning in Neurology, 2010, 16, 122-146.	0.4	18
113	Longitudinal study of vision and retinal nerve fiber layer thickness in multiple sclerosis. <i>Annals of Neurology</i> , 2010, 67, 749-760.	2.8	308
114	Eye disorders in patients with multiple sclerosis: natural history and management. <i>Clinical Ophthalmology</i> , 2010, 4, 1409.	0.9	51
115	Acute demyelinating optic neuritis. <i>Expert Review of Ophthalmology</i> , 2006, 1, 159-170.	0.3	3
116	Optical coherence tomography pathologies to know about in clinical practice. , 0, , 145-155.		1
117	Optical coherence tomography and visual outcomes in acute optic neuritis. , 0, , 42-60.		0
118	Introduction to optical coherence tomography in neurological diseases. , 0, , 1-3.		0
119	Anatomy of the anterior visual pathway. , 0, , 14-27.		0
120	Optical coherence tomography in acute optic neuritis. , 0, , 28-41.		0
121	Optical coherence tomography and low-contrast acuity. , 0, , 61-75.		1
122	Optical coherence tomography and electrophysiology of the visual pathway. , 0, , 76-88.		0
123	Optical coherence tomography and electrophysiology of the optic nerve head. , 0, , 89-102.		0
124	Meta-analysis of optical coherence tomography in multiple sclerosis. , 0, , 103-113.		1
125	Optical coherence tomography and brain magnetic resonance imaging in multiple sclerosis. , 0, , 114-127.		0
126	Optical coherence tomography in neurodegenerative and other neurologic diseases. , 0, , 128-144.		0



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127	Optical coherence tomography and retinal segmentation in neurological diseases. , 0, , 156-164.		1
128	Optical coherence tomography and retinal pathology in neurologic diseases. , 0, , 165-175.		0
129	Retinal inflammation in multiple sclerosis revealed by optical coherence tomography and ophthalmoscopy. , 0, , 176-183.		0
130	Optical coherence tomography and optic nerve magnetic resonance imaging in demyelinating diseases. , 0, , 184-190.		0
131	Optical coherence tomography in neurologic clinical trials. , 0, , 191-197.		0
132	Optical coherence tomography in a multi-center setting: quality control issues. , 0, , 198-208.		0
133	Future technological advances in optical coherence tomography. , 0, , 209-217.		0