

# Aasef G Shaikh

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

2,455  
citations

257101

24  
h-index

243296

44  
g-index

111  
all docs

111  
docs citations

111  
times ranked

1877  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurons compute internal models of the physical laws of motion. <i>Nature</i> , 2004, 430, 560-564.	13.7	300
2	Purkinje Cells in Posterior Cerebellar Vermis Encode Motion in an Inertial Reference Frame. <i>Neuron</i> , 2007, 54, 973-985.	3.8	176
3	Oculopalatal tremor explained by a model of inferior olivary hypertrophy and cerebellar plasticity. <i>Brain</i> , 2010, 133, 923-940.	3.7	147
4	Multiple Reference Frames for Motion in the Primate Cerebellum. <i>Journal of Neuroscience</i> , 2004, 24, 4491-4497.	1.7	92
5	Saccadic Burst Cell Membrane Dysfunction Is Responsible for Saccadic Oscillations. <i>Journal of Neuro-Ophthalmology</i> , 2008, 28, 329-336.	0.4	85
6	Properties of Cerebellar Fastigial Neurons During Translation, Rotation, and Eye Movements. <i>Journal of Neurophysiology</i> , 2005, 93, 853-863.	0.9	77
7	Cervical dystonia: a neural integrator disorder. <i>Brain</i> , 2016, 139, 2590-2599.	3.7	75
8	Sensory Convergence Solves a Motion Ambiguity Problem. <i>Current Biology</i> , 2005, 15, 1657-1662.	1.8	67
9	A new familial disease of saccadic oscillations and limb tremor provides clues to mechanisms of common tremor disorders. <i>Brain</i> , 2007, 130, 3020-3031.	3.7	61
10	Keeping Your Head On Target. <i>Journal of Neuroscience</i> , 2013, 33, 11281-11295.	1.7	53
11	Oscillatory head movements in cervical dystonia: Dystonia, tremor, or both?. <i>Movement Disorders</i> , 2015, 30, 834-842.	2.2	48
12	Dystonia and Tremor. <i>Neurology</i> , 2021, 96, e563-e574.	1.5	46
13	Ataxia telangiectasia: a "disease model" to understand the cerebellar control of vestibular reflexes. <i>Journal of Neurophysiology</i> , 2011, 105, 3034-3041.	0.9	42
14	'Staircase' square-wave jerks in early Parkinson's disease. <i>British Journal of Ophthalmology</i> , 2011, 95, 705-709.	2.1	40
15	Role of Cerebellum in Motion Perception and Vestibulo-ocular Reflex "Similarities and Disparities. <i>Cerebellum</i> , 2013, 12, 97-107.	1.4	40
16	Disorders of Upper Limb Movements in Ataxia-Telangiectasia. <i>PLoS ONE</i> , 2013, 8, e67042.	1.1	39
17	Pharmacological tests of hypotheses for acquired pendular nystagmus. <i>Annals of the New York Academy of Sciences</i> , 2011, 1233, 320-326.	1.8	36
18	StimVision v2: Examples and Applications in Subthalamic Deep Brain Stimulation for Parkinson's Disease. <i>Neuromodulation</i> , 2021, 24, 248-258.	0.4	36

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19	Abnormal fixational eye movements in strabismus. <i>British Journal of Ophthalmology</i> , 2018, 102, 253-259.	2.1	34
20	Visual Search in Amblyopia: Abnormal Fixational Eye Movements and Suboptimal Sampling Strategies. , 2018, 59, 4506.		31
21	Hypothetical membrane mechanisms in essential tremor. <i>Journal of Translational Medicine</i> , 2008, 6, 68.	1.8	30
22	Head tremor at disease onset: an ataxic phenotype of cervical dystonia. <i>Journal of Neurology</i> , 2019, 266, 1844-1851.	1.8	30
23	The role of pallidum in the neural integrator model of cervical dystonia. <i>Neurobiology of Disease</i> , 2019, 125, 45-54.	2.1	29
24	Temporal profile of improvement of tardive dystonia after globus pallidus deep brain stimulation. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 116-119.	1.1	27
25	Pallidal Activity in Cervical Dystonia with and Without Head Tremor. <i>Cerebellum</i> , 2020, 19, 409-418.	1.4	27
26	Effects of 4-aminopyridine on nystagmus and vestibulo-ocular reflex in ataxia-telangiectasia. <i>Journal of Neurology</i> , 2013, 260, 2728-2735.	1.8	26
27	Management of Patients with Cerebellar Ataxia During the COVID-19 Pandemic: Current Concerns and Future Implications. <i>Cerebellum</i> , 2020, 19, 562-568.	1.4	26
28	Uncorrected Myopic Refractive Error Increases Microsaccade Amplitude. , 2015, 56, 2531.		24
29	Saccades in Progressive Supranuclear Palsy – Maladapted, Irregular, Curved, and Slow. <i>Movement Disorders Clinical Practice</i> , 2017, 4, 671-681.	0.8	24
30	Vergence and Strabismus in Neurodegenerative Disorders. <i>Frontiers in Neurology</i> , 2018, 9, 299.	1.1	24
31	Sustained eye closure slows saccades. <i>Vision Research</i> , 2010, 50, 1665-1675.	0.7	23
32	The effects of ion channel blockers validate the conductance-based model of saccadic oscillations. <i>Annals of the New York Academy of Sciences</i> , 2011, 1233, 58-63.	1.8	22
33	Paradoxical Decision-Making: A Framework for Understanding Cognition in Parkinson’s Disease. <i>Trends in Neurosciences</i> , 2018, 41, 512-525.	4.2	22
34	Consensus on Virtual Management of Vestibular Disorders: Urgent Versus Expedited Care. <i>Cerebellum</i> , 2021, 20, 4-8.	1.4	22
35	Opsoclonus in a patient with increased titers of anti-GAD antibody provides proof for the conductance-based model of saccadic oscillations. <i>Journal of the Neurological Sciences</i> , 2016, 362, 169-173.	0.3	21
36	Strabismus and Micro-Opsoclonus in Machado-Joseph Disease. <i>Cerebellum</i> , 2016, 15, 491-497.	1.4	20

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37	Impaired Motor Learning in a Disorder of the Inferior Olive: Is the Cerebellum Confused?. <i>Cerebellum</i> , 2017, 16, 158-167.	1.4	19
38	Acquired pendular nystagmus. <i>Journal of the Neurological Sciences</i> , 2017, 375, 8-17.	0.3	19
39	Mechanisms of Ethanol-Induced Cerebellar Ataxia: Underpinnings of Neuronal Death in the Cerebellum. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8678.	1.2	19
40	Globus pallidus deep brain stimulation for adult-onset axial dystonia. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 1279-1282.	1.1	17
41	Why are voluntary head movements in cervical dystonia slow?. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 561-566.	1.1	17
42	Fixational saccades are more disconjugate in adults than in children. <i>PLoS ONE</i> , 2017, 12, e0175295.	1.1	16
43	Motion Illusionâ€”Evidence towards Human Vestibulo-Thalamic Projections. <i>Cerebellum</i> , 2017, 16, 656-663.	1.4	15
44	Physiology of midbrain head movement neurons in cervical dystonia. <i>Movement Disorders</i> , 2017, 32, 904-912.	2.2	15
45	Cerebellar Scholarsâ€™™ Challenging Time in COVID-19 Pandemia. <i>Cerebellum</i> , 2020, 19, 343-344.	1.4	15
46	Motion Perception without Nystagmusâ€”A Novel Manifestation of Cerebellar Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 1148-1156.	0.7	14
47	Fixation instability in amblyopia: Oculomotor disease biomarkers predictive of treatment effectiveness. <i>Progress in Brain Research</i> , 2019, 249, 235-248.	0.9	14
48	Past and Present of Eye Movement Abnormalities in Ataxia-Telangiectasia. <i>Cerebellum</i> , 2019, 18, 556-564.	1.4	14
49	Effects of Deep Brain Stimulation on Eye Movements and Vestibular Function. <i>Frontiers in Neurology</i> , 2018, 9, 444.	1.1	13
50	Vestibular heading perception in Parkinson's disease. <i>Progress in Brain Research</i> , 2019, 249, 307-319.	0.9	13
51	Medical and Paramedical Care of Patients With Cerebellar Ataxia During the COVID-19 Outbreak: Seven Practical Recommendations of the COVID 19 Cerebellum Task Force. <i>Frontiers in Neurology</i> , 2020, 11, 516.	1.1	13
52	Severityâ€”Dependent Effects of Parkinson's Disease on Perception of Visual and Vestibular Heading. <i>Movement Disorders</i> , 2021, 36, 360-369.	2.2	12
53	Vestibulo-Cerebellar Disease Impairs the Central Representation of Self-Orientation. <i>Frontiers in Neurology</i> , 2011, 2, 11.	1.1	11
54	Viewing condition dependence of the gaze-evoked nystagmus in Arnold Chiari type 1 malformation. <i>Journal of the Neurological Sciences</i> , 2014, 339, 134-139.	0.3	11

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55	Gravity-dependent Nystagmus and Inner-Ear Dysfunction Suggest Anterior and Posterior Inferior Cerebellar Artery Infarct. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 788-790.	0.7	11
56	Impaired Saccade Adaptation in Tremor-Dominant Cervical Dystonia—Evidence for Maladaptive Cerebellum. <i>Cerebellum</i> , 2021, 20, 678-686.	1.4	11
57	Fulminant Idiopathic Intracranial Hypertension. <i>JAMA Neurology</i> , 2013, 70, 937.	4.5	10
58	Effect of Viewing Conditions on Fixation Eye Movements and Eye Alignment in Amblyopia. , 2022, 63, 33.		10
59	Acute onset of upbeat nystagmus, exotropia, and internuclear ophthalmoplegia—A tell-tale of ponto-mesencephalic infarct. <i>Journal of the Neurological Sciences</i> , 2013, 332, 56-58.	0.3	9
60	Fosphenytoin induced transient pendular nystagmus. <i>Journal of the Neurological Sciences</i> , 2013, 330, 121-122.	0.3	9
61	Relationship between jerky and sinusoidal oscillations in cervical dystonia. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 130-137.	1.1	9
62	Pallidal 1/f asymmetry in patients with cervical dystonia. <i>European Journal of Neuroscience</i> , 2021, 53, 2214-2219.	1.2	9
63	Residual symptoms and long-term outcomes after all-cause autoimmune encephalitis in adults. <i>Journal of the Neurological Sciences</i> , 2022, 434, 120124.	0.3	9
64	Clinical features, pathophysiology, treatment, and controversies of tremor in dystonia. <i>Journal of the Neurological Sciences</i> , 2022, 435, 120199.	0.3	9
65	Pseudonystagmus—clinical features and quantitative characteristics. <i>Nature Reviews Neurology</i> , 2010, 6, 519-523.	4.9	8
66	Saccadic oscillations: membrane, model and medicine. <i>Expert Review of Ophthalmology</i> , 2012, 7, 481-486.	0.3	8
67	Paraneoplastic seesaw nystagmus and opsoclonus provides evidence for hyperexcitable reciprocally innervating mesencephalic network. <i>Journal of the Neurological Sciences</i> , 2018, 390, 239-245.	0.3	8
68	Gravity-Independent Upbeat Nystagmus in Syndrome of Anti-GAD Antibodies. <i>Cerebellum</i> , 2019, 18, 287-290.	1.4	8
69	Physiology and pathology of saccades and gaze holding. <i>NeuroRehabilitation</i> , 2013, 32, 493-505.	0.5	7
70	Diffusion-Weighted Magnetic Resonance Imaging in Acute Retinal Pathology. <i>Neuro-Ophthalmology</i> , 2018, 42, 191-193.	0.4	7
71	Pallidal neuron activity determines responsiveness to deep brain stimulation in cervical dystonia. <i>Clinical Neurophysiology</i> , 2021, 132, 3190-3196.	0.7	7
72	Fixational eye movements in Tourette syndrome. <i>Neurological Sciences</i> , 2017, 38, 1977-1984.	0.9	6

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73	The complexity of eye-hand coordination: a perspective on cortico-cerebellar cooperation. <i>Cerebellum and Ataxias</i> , 2020, 7, 14.	1.9	6
74	Subthalamic deep brain stimulation affects heading perception in Parkinson's disease. <i>Journal of Neurology</i> , 2022, 269, 253-268.	1.8	6
75	Fixation eye movement abnormalities and stereopsis recovery following strabismus repair. <i>Scientific Reports</i> , 2021, 11, 14417.	1.6	6
76	Computational models to delineate 3D gaze-shift strategies in Parkinson's disease. <i>Journal of Neural Engineering</i> , 2021, 18, 0460a5.	1.8	6
77	Does visuospatial motion perception correlate with coexisting movement disorders in Parkinson's disease?. <i>Journal of Neurology</i> , 2022, 269, 2179-2192.	1.8	6
78	Tremor analysis separates Parkinson's disease and dopamine receptor blockers induced parkinsonism. <i>Neurological Sciences</i> , 2017, 38, 855-863.	0.9	5
79	Implications of asymmetric neural activity patterns in the basal ganglia outflow in the integrative neural network model for cervical dystonia. <i>Progress in Brain Research</i> , 2019, 249, 261-268.	0.9	5
80	2 Years into the Pandemic: What Did We Learn About the COVID-19 and Cerebellum?. <i>Cerebellum</i> , 2022, 21, 19-22.	1.4	5
81	The floccular syndrome in herpes simplex type 1 encephalitis. <i>Journal of the Neurological Sciences</i> , 2013, 325, 154-155.	0.3	4
82	Source of high-frequency oscillations in oblique saccade trajectory. <i>Experimental Eye Research</i> , 2014, 121, 5-10.	1.2	4
83	Misdirected horizontal saccades in pan-cerebellar atrophy. <i>Journal of the Neurological Sciences</i> , 2015, 355, 125-130.	0.3	4
84	Visual Perception of Heading in the Syndrome of Oculopalatal Tremor. <i>Cerebellum</i> , 2021, 20, 788-795.	1.4	4
85	Does Inferior-Olive Hypersynchrony Affect Vestibular Heading Perception?. <i>Cerebellum</i> , 2021, 20, 744-750.	1.4	4
86	Effects of subthalamic deep brain stimulation on fixational eye movements in Parkinson's disease. <i>Journal of Computational Neuroscience</i> , 2021, 49, 345-356.	0.6	4
87	A trail of artificial vestibular stimulation: electricity, heat, and magnet. <i>Journal of Neurophysiology</i> , 2012, 108, 1-4.	0.9	3
88	Independent and symmetric seizures from parasagittal cortex: Is this a feature of profound hypoglycemia?. <i>Epilepsy and Behavior</i> , 2012, 25, 263-265.	0.9	3
89	Analog Restless Legs Syndrome Rating Scale. <i>European Neurology</i> , 2013, 70, 195-200.	0.6	3
90	Reply: Contributions of visual and motor signals in cervical dystonia. <i>Brain</i> , 2017, 140, e5-e5.	3.7	3

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91	Novel Eye Movement Disorders in Whipple's Disease—Staircase Horizontal Saccades, Gaze-Evoked Nystagmus, and Esotropia. <i>Frontiers in Neurology</i> , 2017, 8, 321.	1.1	3
92	Hyperventilation Increases the Randomness of Ocular Palatal Tremor Waveforms. <i>Cerebellum</i> , 2021, 20, 780-787.	1.4	3
93	Feedback-dependent neuronal properties make focal dystonias so focal. <i>European Journal of Neuroscience</i> , 2021, 53, 2388-2397.	1.2	3
94	Gaze-holding and anti-GAD antibody: prototypic heterogeneous motor dysfunction in immune disease. <i>Cerebellum</i> , 2022, 21, 55-63.	1.4	3
95	Identification of the Prodromal Symptoms and Pre-Ataxic Stage in Cerebellar Disorders: The Next Challenge. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10057.	1.2	3
96	Gaze holding after anterior-inferior temporal lobectomy. <i>Neurological Sciences</i> , 2014, 35, 1749-1756.	0.9	2
97	Angioinvasive Aspergillosis of the Central Nervous System. <i>Canadian Journal of Neurological Sciences</i> , 2015, 42, 64-65.	0.3	2
98	Abnormal head oscillations in neuro-ophthalmology and neuro-otology. <i>Current Opinion in Neurology</i> , 2016, 29, 94-103.	1.8	2
99	Episodic gaze deviation in multiple sclerosis — Versive seizures or oculogyric crises?. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 201-203.	0.8	2
100	Ictal Lid Movements: Blinks and Lid Saccades. <i>Neuro-Ophthalmology</i> , 2021, 45, 301-308.	0.4	2
101	Pseudonystagmus in progressive supranuclear palsy. <i>Journal of the Neurological Sciences</i> , 2022, 434, 120157.	0.3	2
102	Torsional nystagmus in hypothalamic hamartoma. <i>Epileptic Disorders</i> , 2013, 15, 437-439.	0.7	1
103	Effects of Sustained Otolith-Only Stimulation on Post-Rotational Nystagmus. <i>Cerebellum</i> , 2017, 16, 683-690.	1.4	1
104	Editorial: Tremors. <i>Journal of the Neurological Sciences</i> , 2022, 435, 120189.	0.3	1
105	Forskolin induced increase in spontaneous activity of auditory brainstem neurons is comparable to acoustic stimulus evoked responses. <i>Neuroscience Letters</i> , 2012, 531, 69-73.	1.0	0
106	Preface. <i>Progress in Brain Research</i> , 2019, 249, xxv.	0.9	0
107	Preface. <i>Progress in Brain Research</i> , 2019, 248, xxiii-xxv.	0.9	0
108	Distillation of Posterior Fossa Demyelination in Acute Vestibular Syndrome: the Eyes Have It. <i>Cerebellum</i> , 2019, 18, 673-675.	1.4	0

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109	Lessons learned from the syndrome of oculopalatal tremor. Journal of Computational Neuroscience, 2021, 49, 309-318.	0.6	0
110	Legacy of Lance M Optican: from math to medical science and back. Journal of Computational Neuroscience, 2021, 49, 209-211.	0.6	0
111	Correlates for Human Self-Rotation Estimators Are Found. Cerebellum, 2022, , 1.	1.4	0