

# Aasef G Shaikh

## List of Publications by Citations

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103  
papers

1,783  
citations

21  
h-index

39  
g-index

111  
ext. papers

2,109  
ext. citations

4.6  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
103	Neurons compute internal models of the physical laws of motion. <i>Nature</i> , <b>2004</b> , 430, 560-4	50.4	251
102	Purkinje cells in posterior cerebellar vermis encode motion in an inertial reference frame. <i>Neuron</i> , <b>2007</b> , 54, 973-85	13.9	154
101	Oculopalatal tremor explained by a model of inferior olivary hypertrophy and cerebellar plasticity. <i>Brain</i> , <b>2010</b> , 133, 923-40	11.2	118
100	Multiple reference frames for motion in the primate cerebellum. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 4491-676		78
99	Properties of cerebellar fastigial neurons during translation, rotation, and eye movements. <i>Journal of Neurophysiology</i> , <b>2005</b> , 93, 853-63	3.2	71
98	Saccadic burst cell membrane dysfunction is responsible for saccadic oscillations. <i>Journal of Neuro-Ophthalmology</i> , <b>2008</b> , 28, 329-36	2.6	66
97	Sensory convergence solves a motion ambiguity problem. <i>Current Biology</i> , <b>2005</b> , 15, 1657-62	6.3	61
96	Cervical dystonia: a neural integrator disorder. <i>Brain</i> , <b>2016</b> , 139, 2590-2599	11.2	56
95	A new familial disease of saccadic oscillations and limb tremor provides clues to mechanisms of common tremor disorders. <i>Brain</i> , <b>2007</b> , 130, 3020-31	11.2	48
94	Keeping your head on target. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 11281-95	6.6	39
93	Oscillatory head movements in cervical dystonia: Dystonia, tremor, or both?. <i>Movement Disorders</i> , <b>2015</b> , 30, 834-42	7	38
92	Ataxia telangiectasia: a "disease model" to understand the cerebellar control of vestibular reflexes. <i>Journal of Neurophysiology</i> , <b>2011</b> , 105, 3034-41	3.2	37
91	Role of cerebellum in motion perception and vestibulo-ocular reflex-similarities and disparities. <i>Cerebellum</i> , <b>2013</b> , 12, 97-107	4.3	34
90	Staircase-square-wave jerks in early Parkinson's disease. <i>British Journal of Ophthalmology</i> , <b>2011</b> , 95, 705-9	5.5	31
89	Disorders of Upper Limb Movements in Ataxia-Telangiectasia. <i>PLoS ONE</i> , <b>2013</b> , 8, e67042	3.7	31
88	Pharmacological tests of hypotheses for acquired pendular nystagmus. <i>Annals of the New York Academy of Sciences</i> , <b>2011</b> , 1233, 320-6	6.5	26
87	Hypothetical membrane mechanisms in essential tremor. <i>Journal of Translational Medicine</i> , <b>2008</b> , 6, 68	8.5	25

86	Temporal profile of improvement of tardive dystonia after globus pallidus deep brain stimulation. <i>Parkinsonism and Related Disorders</i> , <b>2015</b> , 21, 116-9	3.6	24
85	Effects of 4-aminopyridine on nystagmus and vestibulo-ocular reflex in ataxia-telangiectasia. <i>Journal of Neurology</i> , <b>2013</b> , 260, 2728-35	5.5	22
84	Dystonia and Tremor: A Cross-Sectional Study of the Dystonia Coalition Cohort. <i>Neurology</i> , <b>2021</b> , 96, e563-e574	6.5	22
83	Abnormal fixational eye movements in strabismus. <i>British Journal of Ophthalmology</i> , <b>2018</b> , 102, 253-259	5.5	21
82	Head tremor at disease onset: an ataxic phenotype of cervical dystonia. <i>Journal of Neurology</i> , <b>2019</b> , 266, 1844-1851	5.5	20
81	Uncorrected Myopic Refractive Error Increases Microsaccade Amplitude <b>2015</b> , 56, 2531-5		19
80	Sustained eye closure slows saccades. <i>Vision Research</i> , <b>2010</b> , 50, 1665-75	2.1	19
79	Globus pallidus deep brain stimulation for adult-onset axial dystonia. <i>Parkinsonism and Related Disorders</i> , <b>2014</b> , 20, 1279-82	3.6	17
78	The role of pallidum in the neural integrator model of cervical dystonia. <i>Neurobiology of Disease</i> , <b>2019</b> , 125, 45-54	7.5	16
77	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> , <b>2016</b> , 362, 169-73 <sup>3.2</sup>		16
76	Saccades in progressive supranuclear palsy - maladapted, irregular, curved, and slow. <i>Movement Disorders Clinical Practice</i> , <b>2017</b> , 4, 671-681	2.2	14
75	Management of Patients with Cerebellar Ataxia During the COVID-19 Pandemic: Current Concerns and Future Implications. <i>Cerebellum</i> , <b>2020</b> , 19, 562-568	4.3	14
74	Pallidal Activity in Cervical Dystonia with and Without Head Tremor. <i>Cerebellum</i> , <b>2020</b> , 19, 409-418	4.3	14
73	Vergence and Strabismus in Neurodegenerative Disorders. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 299	4.1	14
72	Acquired pendular nystagmus. <i>Journal of the Neurological Sciences</i> , <b>2017</b> , 375, 8-17	3.2	13
71	Strabismus and Micro-Opsoclonus in Machado-Joseph Disease. <i>Cerebellum</i> , <b>2016</b> , 15, 491-7	4.3	13
70	Paradoxical Decision-Making: A Framework for Understanding Cognition in Parkinson's Disease. <i>Trends in Neurosciences</i> , <b>2018</b> , 41, 512-525	13.3	13
69	Motion perception without Nystagmus--a novel manifestation of cerebellar stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2014</b> , 23, 1148-56	2.8	13

68	The effects of ion channel blockers validate the conductance-based model of saccadic oscillations. <i>Annals of the New York Academy of Sciences</i> , <b>2011</b> , 1233, 58-63	6.5	13
67	Impaired Motor Learning in a Disorder of the Inferior Olive: Is the Cerebellum Confused?. <i>Cerebellum</i> , <b>2017</b> , 16, 158-167	4.3	12
66	Motion Illusion-Evidence towards Human Vestibulo-Thalamic Projections. <i>Cerebellum</i> , <b>2017</b> , 16, 656-663	4.3	12
65	Why are voluntary head movements in cervical dystonia slow?. <i>Parkinsonism and Related Disorders</i> , <b>2015</b> , 21, 561-6	3.6	12
64	Fixational saccades are more disconjugate in adults than in children. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175295	3.7	12
63	Consensus on Virtual Management of Vestibular Disorders: Urgent Versus Expedited Care. <i>Cerebellum</i> , <b>2021</b> , 20, 4-8	4.3	12
62	Visual Search in Amblyopia: Abnormal Fixational Eye Movements and Suboptimal Sampling Strategies <b>2018</b> , 59, 4506-4517		12
61	Physiology of midbrain head movement neurons in cervical dystonia. <i>Movement Disorders</i> , <b>2017</b> , 32, 904-912		10
60	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> , <b>2020</b> , 11, 516	4.1	9
59	Gravity-dependent nystagmus and inner-ear dysfunction suggest anterior and posterior inferior cerebellar artery infarct. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2014</b> , 23, 788-90	2.8	9
58	Fosphenytoin induced transient pendular nystagmus. <i>Journal of the Neurological Sciences</i> , <b>2013</b> , 330, 121-2	3.2	9
57	StimVision v2: Examples and Applications in Subthalamic Deep Brain Stimulation for Parkinson's Disease. <i>Neuromodulation</i> , <b>2021</b> , 24, 248-258	3.1	9
56	Vestibular heading perception in Parkinson's disease. <i>Progress in Brain Research</i> , <b>2019</b> , 249, 307-319	2.9	8
55	Fixation instability in amblyopia: Oculomotor disease biomarkers predictive of treatment effectiveness. <i>Progress in Brain Research</i> , <b>2019</b> , 249, 235-248	2.9	8
54	Fulminant idiopathic intracranial hypertension. <i>JAMA Neurology</i> , <b>2013</b> , 70, 937-8	17.2	8
53	Paraneoplastic seesaw nystagmus and opsoclonus provides evidence for hyperexcitable reciprocally innervating mesencephalic network. <i>Journal of the Neurological Sciences</i> , <b>2018</b> , 390, 239-245 <sup>3-2</sup>		7
52	Viewing condition dependence of the gaze-evoked nystagmus in Arnold Chiari type 1 malformation. <i>Journal of the Neurological Sciences</i> , <b>2014</b> , 339, 134-9	3.2	7
51	Physiology and pathology of saccades and gaze holding. <i>NeuroRehabilitation</i> , <b>2013</b> , 32, 493-505	2	7

50	Acute onset of upbeat nystagmus, exotropia, and internuclear ophthalmoplegia--a tell-tale of ponto-mesencephalic infarct. <i>Journal of the Neurological Sciences</i> , <b>2013</b> , 332, 56-8	3.2	7
49	Vestibulo-cerebellar disease impairs the central representation of self-orientation. <i>Frontiers in Neurology</i> , <b>2011</b> , 2, 11	4.1	7
48	Pseudonystagmus--clinical features and quantitative characteristics. <i>Nature Reviews Neurology</i> , <b>2010</b> , 6, 519-23	15	7
47	Gravity-Independent Upbeat Nystagmus in Syndrome of Anti-GAD Antibodies. <i>Cerebellum</i> , <b>2019</b> , 18, 287-290	4.3	6
46	Past and Present of Eye Movement Abnormalities in Ataxia-Telangiectasia. <i>Cerebellum</i> , <b>2019</b> , 18, 556-564	3	6
45	Severity-Dependent Effects of Parkinson's Disease on Perception of Visual and Vestibular Heading. <i>Movement Disorders</i> , <b>2021</b> , 36, 360-369	7	6
44	Diffusion-Weighted Magnetic Resonance Imaging in Acute Retinal Pathology. <i>Neuro-Ophthalmology</i> , <b>2018</b> , 42, 191-193	0.9	5
43	Effects of Deep Brain Stimulation on Eye Movements and Vestibular Function. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 444	4.1	5
42	Relationship between jerky and sinusoidal oscillations in cervical dystonia. <i>Parkinsonism and Related Disorders</i> , <b>2019</b> , 66, 130-137	3.6	5
41	Saccadic oscillations - membrane, model, and medicine. <i>Expert Review of Ophthalmology</i> , <b>2012</b> , 7, 481-486	5	5
40	Mechanisms of Ethanol-Induced Cerebellar Ataxia: Underpinnings of Neuronal Death in the Cerebellum. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	5
39	Impaired Saccade Adaptation in Tremor-Dominant Cervical Dystonia-Evidence for Maladaptive Cerebellum. <i>Cerebellum</i> , <b>2021</b> , 20, 678-686	4.3	4
38	The floccular syndrome in herpes simplex type 1 encephalitis. <i>Journal of the Neurological Sciences</i> , <b>2013</b> , 325, 154-5	3.2	4
37	Fixational eye movements in Tourette syndrome. <i>Neurological Sciences</i> , <b>2017</b> , 38, 1977-1984	3.5	4
36	Misdirected horizontal saccades in pan-cerebellar atrophy. <i>Journal of the Neurological Sciences</i> , <b>2015</b> , 355, 125-30	3.2	4
35	Reply: Contributions of visual and motor signals in cervical dystonia. <i>Brain</i> , <b>2017</b> , 140, e5	11.2	3
34	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> , <b>2019</b> , 249, 261-268	2.9	3
33	Does Inferior-Olive Hypersynchrony Affect Vestibular Heading Perception?. <i>Cerebellum</i> , <b>2021</b> , 20, 744-750	1.3	3

32	Source of high-frequency oscillations in oblique saccade trajectory. <i>Experimental Eye Research</i> , <b>2014</b> , 121, 5-10	3.7	3
31	Analog restless legs syndrome rating scale. <i>European Neurology</i> , <b>2013</b> , 70, 195-200	2.1	3
30	Novel Eye Movement Disorders in Whipple's Disease-Staircase Horizontal Saccades, Gaze-Evoked Nystagmus, and Esotropia. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 321	4.1	3
29	Independent and symmetric seizures from parasagittal cortex: is this a feature of profound hypoglycemia?. <i>Epilepsy and Behavior</i> , <b>2012</b> , 25, 263-5	3.2	3
28	Visual Perception of Heading in the Syndrome of Oculopalatal Tremor. <i>Cerebellum</i> , <b>2021</b> , 20, 788-795	4.3	3
27	Tremor analysis separates Parkinson's disease and dopamine receptor blockers induced parkinsonism. <i>Neurological Sciences</i> , <b>2017</b> , 38, 855-863	3.5	2
26	A trail of artificial vestibular stimulation: electricity, heat, and magnet. <i>Journal of Neurophysiology</i> , <b>2012</b> , 108, 1-4	3.2	2
25	Hyperventilation Increases the Randomness of Ocular Palatal Tremor Waveforms. <i>Cerebellum</i> , <b>2021</b> , 20, 780-787	4.3	2
24	Computational models to delineate 3D gaze-shift strategies in Parkinson's disease. <i>Journal of Neural Engineering</i> , <b>2021</b> , 18,	5	2
23	Abnormal head oscillations in neuro-ophthalmology and neuro-otology. <i>Current Opinion in Neurology</i> , <b>2016</b> , 29, 94-103	7.1	2
22	Clinical features, pathophysiology, treatment, and controversies of tremor in dystonia.. <i>Journal of the Neurological Sciences</i> , <b>2022</b> , 435, 120199	3.2	2
21	Effects of Sustained Otolith-Only Stimulation on Post-Rotational Nystagmus. <i>Cerebellum</i> , <b>2017</b> , 16, 683-690	4.9	1
20	Angioinvasive aspergillosis of the central nervous system. <i>Canadian Journal of Neurological Sciences</i> , <b>2015</b> , 42, 64-5	1	1
19	Gaze holding after anterior-inferior temporal lobectomy. <i>Neurological Sciences</i> , <b>2014</b> , 35, 1749-56	3.5	1
18	Torsional nystagmus in hypothalamic hamartoma. <i>Epileptic Disorders</i> , <b>2013</b> , 15, 437-9	1.9	1
17	The complexity of eye-hand coordination: a perspective on cortico-cerebellar cooperation. <i>Cerebellum and Ataxias</i> , <b>2020</b> , 7, 14	1.7	1
16	Ictal Lid Movements: Blinks and Lid Saccades. <i>Neuro-Ophthalmology</i> , <b>2021</b> , 45, 301-308	0.9	1
15	Fixation eye movement abnormalities and stereopsis recovery following strabismus repair. <i>Scientific Reports</i> , <b>2021</b> , 11, 14417	4.9	1

14	Pallidal 1/f asymmetry in patients with cervical dystonia. <i>European Journal of Neuroscience</i> , <b>2021</b> , 53, 2214-2219	3.5	1
13	Feedback-dependent neuronal properties make focal dystonias so focal. <i>European Journal of Neuroscience</i> , <b>2021</b> , 53, 2388-2397	3.5	1
12	Episodic gaze deviation in multiple sclerosis - Versive seizures or oculogyric crises?. <i>Journal of Clinical Neuroscience</i> , <b>2018</b> , 58, 201-203	2.2	1
11	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> , <b>2021</b> , 18,	4.6	1
10	Effect of Viewing Conditions on Fixation Eye Movements and Eye Alignment in Amblyopia. <b>2022</b> , 63, 33		1
9	Pseudonystagmus in progressive supranuclear palsy.. <i>Journal of the Neurological Sciences</i> , <b>2022</b> , 434, 120157	3.2	0
8	Residual symptoms and long-term outcomes after all-cause autoimmune encephalitis in adults.. <i>Journal of the Neurological Sciences</i> , <b>2021</b> , 434, 120124	3.2	0
7	Subthalamic deep brain stimulation affects heading perception in Parkinson's disease. <i>Journal of Neurology</i> , <b>2021</b> , 1	5.5	0
6	Gaze-holding and anti-GAD antibody: prototypic heterogeneous motor dysfunction in immune disease. <i>Cerebellum</i> , <b>2021</b> , 1	4.3	0
5	Effects of subthalamic deep brain stimulation on fixational eye movements in Parkinson's disease. <i>Journal of Computational Neuroscience</i> , <b>2021</b> , 49, 345-356	1.4	0
4	Does visuospatial motion perception correlate with coexisting movement disorders in Parkinson's disease?. <i>Journal of Neurology</i> , <b>2021</b> , 1	5.5	0
3	Pallidal neuron activity determines responsiveness to deep brain stimulation in cervical dystonia. <i>Clinical Neurophysiology</i> , <b>2021</b> , 132, 3190-3196	4.3	0
2	Forskolin induced increase in spontaneous activity of auditory brainstem neurons is comparable to acoustic stimulus evoked responses. <i>Neuroscience Letters</i> , <b>2012</b> , 531, 69-73	3.3	
1	Lessons learned from the syndrome of oculopalatal tremor. <i>Journal of Computational Neuroscience</i> , <b>2021</b> , 49, 309-318	1.4	