

# David S Zee

## List of Publications by Year in descending order

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117  
papers

6,952  
citations

117625

34  
h-index

82547

72  
g-index

120  
all docs

120  
docs citations

120  
times ranked

3981  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Neurology of Eye Movements. , 2015, , .		1,238
2	Effects of Lesions of the Oculomotor Vermis on Eye Movements in Primate: Saccades. Journal of Neurophysiology, 1998, 80, 1911-1931.	1.8	370
3	OCULAR MOTOR ABNORMALITIES IN HEREDITARY CEREBELLAR ATAXIA. Brain, 1976, 99, 207-234.	7.6	327
4	A hypothetical explanation of saccadic oscillations. Annals of Neurology, 1979, 5, 405-414.	5.3	268
5	Spinocerebellar ataxia type 6: Gaze-evoked and vertical nystagmus, Purkinje cell degeneration, and variable age of onset. Annals of Neurology, 1997, 42, 933-950.	5.3	267
6	The behavior of the vestibulo-ocular reflex at high velocities of head rotation. Brain Research, 1981, 222, 159-165.	2.2	217
7	Small strokes causing severe vertigo. Neurology, 2014, 83, 169-173.	1.1	205
8	Treatment of periodic alternating nystagmus. Annals of Neurology, 1980, 8, 609-611.	5.3	181
9	Bioinformatics-Based Identification of Expanded Repeats: A Non-reference Intronic Pentamer Expansion in RFC1 Causes CANVAS. American Journal of Human Genetics, 2019, 105, 151-165.	6.2	170
10	Effects of Lesions of the Oculomotor Cerebellar Vermis on Eye Movements in Primate: Smooth Pursuit. Journal of Neurophysiology, 2000, 83, 2047-2062.	1.8	168
11	MRI Magnetic Field Stimulates Rotational Sensors of the Brain. Current Biology, 2011, 21, 1635-1640.	3.9	167
12	A HYPOTHETICAL EXPLANATION FOR PERIODIC ALTERNATING NYSTAGMUS: INSTABILITY IN THE OPTOKINETIC-VESTIBULAR SYSTEM. Annals of the New York Academy of Sciences, 1981, 374, 619-635.	3.8	166
13	Cerebellar Contributions to Adaptive Control of Saccades in Humans. Journal of Neuroscience, 2009, 29, 12930-12939.	3.6	163
14	Oculopalatal tremor explained by a model of inferior olivary hypertrophy and cerebellar plasticity. Brain, 2010, 133, 923-940.	7.6	147
15	Isolated floccular infarction: impaired vestibular responses to horizontal head impulse. Journal of Neurology, 2013, 260, 1576-1582.	3.6	128
16	Cerebellar control of ocular gaze stability. Annals of Neurology, 1980, 7, 37-40.	5.3	123
17	Alexander's law: Its behavior and origin in the human vestibulo-ocular reflex. Annals of Neurology, 1984, 16, 714-722.	5.3	117
18	Diagnosing Stroke in Acute Dizziness and Vertigo. Stroke, 2018, 49, 788-795.	2.0	113

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19	A hypothetical explanation of congenital nystagmus. <i>Biological Cybernetics</i> , 1984, 50, 119-134.	1.3	109
20	Ophthalmoscopy in examination of patients with vestibular disorders. <i>Annals of Neurology</i> , 1978, 3, 373-374.	5.3	98
21	Abduction nystagmus in internuclear ophthalmoplegia. <i>Annals of Neurology</i> , 1987, 21, 383-388.	5.3	87
22	Directional Abnormalities of Vestibular and Optokinetic Responses in Cerebellar Disease. <i>Annals of the New York Academy of Sciences</i> , 1999, 871, 205-220.	3.8	82
23	Classification of vestibular signs and examination techniques: Nystagmus and nystagmus-like movements. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2019, 29, 57-87.	2.0	79
24	Effects of lesions of the cerebellar oculomotor vermis on eye movements in primate: binocular control. <i>Progress in Brain Research</i> , 2003, 142, 19-33.	1.4	75
25	Transcranial Magnetic Stimulation (TMS) of the Supramarginal Gyrus: A Window to Perception of Upright. <i>Cerebral Cortex</i> , 2015, 25, 765-771.	2.9	75
26	Cervical dystonia: a neural integrator disorder. <i>Brain</i> , 2016, 139, 2590-2599.	7.6	75
27	Characteristics and mechanism of apogeotropic central positional nystagmus. <i>Brain</i> , 2018, 141, 762-775.	7.6	72
28	Ocular neuromyotonia: Clinical features, physiological mechanisms, and response to therapy. <i>Annals of Neurology</i> , 1995, 37, 620-626.	5.3	71
29	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.	7.6	61
30	Nucleus prepositus hypoglossi lesions produce a unique ocular motor syndrome. <i>Neurology</i> , 2016, 87, 2026-2033.	1.1	52
31	The Effect of the Rotational Magnification of Corrective Spectacles on the Quantitative Evaluation of the VOR. <i>Acta Oto-Laryngologica</i> , 1985, 100, 81-88.	0.9	50
32	Isolated unilateral infarction of the cerebellar tonsil: Ocular motor findings. <i>Annals of Neurology</i> , 2014, 75, 429-434.	5.3	47
33	Head-shaking Nystagmus during Vestibular Compensation in Humans and Rhesus Monkeys. <i>Acta Oto-Laryngologica</i> , 1990, 110, 175-181.	0.9	46
34	Eye Movement Disorders and the Cerebellum. <i>Journal of Clinical Neurophysiology</i> , 2019, 36, 405-414.	1.7	39
35	Impaired Tilt Suppression of Post-Rotatory Nystagmus and Cross-Coupled Head-Shaking Nystagmus in Cerebellar Lesions: Image Mapping Study. <i>Cerebellum</i> , 2017, 16, 95-102.	2.5	37
36	Benign Paroxysmal Positional Vertigo: What We Do and Do Not Know. <i>Seminars in Neurology</i> , 2020, 40, 049-058.	1.4	37

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37	Multiple Time Courses of Vestibular Set-Point Adaptation Revealed by Sustained Magnetic Field Stimulation of the Labyrinth. <i>Current Biology</i> , 2016, 26, 1359-1366.	3.9	35
38	Impact of artifacts on VOR gain measures by video-oculography in the acute vestibular syndrome. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2016, 26, 375-385.	2.0	35
39	The Cerebellar Nodulus/Uvula Integrates Otolith Signals for the Translational Vestibulo-Ocular Reflex. <i>PLoS ONE</i> , 2010, 5, e13981.	2.5	34
40	Vestibular Performance During High-Acceleration Stimuli Correlates with Clinical Decline in SCA6. <i>Cerebellum</i> , 2015, 14, 284-291.	2.5	34
41	Hiding in plain sight: a closer look at posterior cortical atrophy. <i>Practical Neurology</i> , 2015, 15, 5-13.	1.1	34
42	Translational Vestibulo-Ocular Reflex Evoked by a Head Heave Stimulus. <i>Annals of the New York Academy of Sciences</i> , 2001, 942, 95-113.	3.8	33
43	The Floccular Syndrome: Dynamic Changes in Eye Movements and Vestibulo-ocular Reflex in Isolated Infarction of the Cerebellar Flocculus. <i>Cerebellum</i> , 2018, 17, 122-131.	2.5	33
44	Lesions of the Cerebellar Nodulus and Uvula Impair Downward Pursuit. <i>Journal of Neurophysiology</i> , 2008, 100, 1813-1823.	1.8	30
45	New insights into vestibular-saccade interaction based on covert corrective saccades in patients with unilateral vestibular deficits. <i>Journal of Neurophysiology</i> , 2017, 117, 2324-2338.	1.8	29
46	Ocular stability and set-point adaptation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160199.	4.0	29
47	Suppression of vestibular nystagmus. <i>Annals of Neurology</i> , 1977, 1, 207-207.	5.3	28
48	Strong Static Magnetic Fields Elicit Swimming Behaviors Consistent with Direct Vestibular Stimulation in Adult Zebrafish. <i>PLoS ONE</i> , 2014, 9, e92109.	2.5	28
49	Adaptation to vestibular disturbances Some clinical implications. <i>Neuro-Ophthalmology</i> , 1991, 11, 111-116.	1.0	27
50	Magnetic Vestibular Stimulation in Subjects with Unilateral Labyrinthine Disorders. <i>Frontiers in Neurology</i> , 2014, 5, 28.	2.4	27
51	Eye Movement Research in the Twenty-First Century—a Window to the Brain, Mind, and More. <i>Cerebellum</i> , 2018, 17, 252-258.	2.5	27
52	A decade of magnetic vestibular stimulation: from serendipity to physics to the clinic. <i>Journal of Neurophysiology</i> , 2019, 121, 2013-2019.	1.8	27
53	Considerations on the Mechanisms of Alternating Skew Deviation in Patients with Cerebellar Lesions. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 1996, 6, 395-401.	2.0	26
54	Three-dimensional eye movement recordings during magnetic vestibular stimulation. <i>Journal of Neurology</i> , 2017, 264, 7-12.	3.6	26

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55	Bechterew's phenomenon in a human patient. <i>Annals of Neurology</i> , 1982, 12, 495-496.	5.3	24
56	Acute Superior Oblique Palsy in Monkeys: I. Changes in Static Eye Alignment. , 2007, 48, 2602.		24
57	The video ocular counter-roll (vOCR): a clinical test to detect loss of otolith-ocular function. <i>Acta Oto-Laryngologica</i> , 2017, 137, 593-597.	0.9	24
58	The Cerebellar Contribution to Eye Movements Based upon Lesions. <i>Annals of the New York Academy of Sciences</i> , 2002, 956, 178-189.	3.8	23
59	Magnetic Vestibular Stimulation (MVS) As a Technique for Understanding the Normal and Diseased Labyrinth. <i>Frontiers in Neurology</i> , 2017, 8, 122.	2.4	23
60	Opinion and Special Articles: Remote Evaluation of Acute Vertigo. <i>Neurology</i> , 2021, 96, 34-38.	1.1	23
61	Postural Control in Huntington's Disease (HD). <i>Acta Oto-Laryngologica</i> , 1991, 111, 333-336.	0.9	22
62	Context-specific short-term adaptation of the phase of the vestibulo-ocular reflex. <i>Experimental Brain Research</i> , 1998, 120, 184-192.	1.5	22
63	Lesions of the cerebellar nodulus and uvula in monkeys: effect on otolith-ocular reflexes. <i>Progress in Brain Research</i> , 2008, 171, 167-172.	1.4	22
64	Short-term Adaptation of the VOR: Non-retinal Slip Error Signals and Saccade Substitution. <i>Annals of the New York Academy of Sciences</i> , 2003, 1004, 94-110.	3.8	21
65	Compensatory saccade differences between outward versus inward head impulses in chronic unilateral vestibular hypofunction. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1744-1749.	1.5	21
66	Expansion of the clinical spectrum associated with AARS2-related disorders. <i>American Journal of Medical Genetics, Part A</i> , 2019, 179, 1556-1564.	1.2	20
67	Context-specific adaptation and its significance for neurovestibular problems of space flight. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2003, 13, 345-362.	2.0	20
68	The Contribution of the Vertical Semicircular Canals to High-Velocity Horizontal Vestibulo-Ocular Reflex (VOR) in Normal Subjects and Patients with Unilateral Vestibular Nerve Section. <i>Acta Oto-Laryngologica</i> , 1996, 116, 507-512.	0.9	19
69	Impaired Motor Learning in a Disorder of the Inferior Olive: Is the Cerebellum Confused?. <i>Cerebellum</i> , 2017, 16, 158-167.	2.5	19
70	Bruns' nystagmus revisited: A sign of stroke in patients with the acute vestibular syndrome. <i>European Journal of Neurology</i> , 2021, 28, 2971-2979.	3.3	18
71	The organization of the brainstem ocular motor subnuclei. <i>Annals of Neurology</i> , 1978, 4, 384-385.	5.3	17
72	Enhancement of the Bias Component of Downbeat Nystagmus after Lesions of the Nodulus and Uvula. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 482-485.	3.8	17

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73	Why are voluntary head movements in cervical dystonia slow?. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 561-566.	2.2	17
74	Novel <i>PNKP</i> mutation in siblings with ataxia-oculomotor apraxia type 4. <i>Journal of Neurogenetics</i> , 2017, 31, 23-25.	1.4	16
75	Vertical nystagmus in Wernicke's encephalopathy: pathogenesis and role of central processing of information from the otoliths. <i>Journal of Neurology</i> , 2019, 266, 139-145.	3.6	16
76	Rebound nystagmus, a window into the oculomotor integrator. <i>Progress in Brain Research</i> , 2019, 249, 197-209.	1.4	15
77	The video head impulse test during post-rotatory nystagmus: physiology and clinical implications. <i>Experimental Brain Research</i> , 2016, 234, 277-286.	1.5	14
78	Acute Superior Oblique Palsy in Monkeys: II. Changes in Dynamic Properties during Vertical Saccades. , 2007, 48, 2612.		13
79	Acute superior oblique palsy in the monkey: effects of viewing conditions on ocular alignment and modelling of the ocular motor plant. <i>Progress in Brain Research</i> , 2008, 171, 47-52.	1.4	13
80	Ocular lateral deviation with brief removal of visual fixation differentiates central from peripheral vestibular syndrome. <i>Journal of Neurology</i> , 2020, 267, 3763-3772.	3.6	13
81	A Versatile Stereoscopic Visual Display System for Vestibular and Oculomotor Research. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 1998, 8, 363-379.	2.0	12
82	Proprioceptive and Retinal Afference Modify Postsaccadic Ocular Drift. <i>Journal of Neurophysiology</i> , 1999, 82, 551-563.	1.8	12
83	Eye movement disorders and neurological symptoms in late-onset inborn errors of metabolism. <i>Movement Disorders</i> , 2018, 33, 1844-1856.	3.9	12
84	Ocular flutter and ataxia associated with AIDS-related complex. <i>Neuro-Ophthalmology</i> , 1991, 11, 163-167.	1.0	10
85	Eye position-dependent opsoclonus in mild traumatic brain injury. <i>Progress in Brain Research</i> , 2019, 249, 65-78.	1.4	10
86	Head Position Dependent Adjustment of the Three-dimensional Human Vestibuloocular Reflex. <i>Acta Oto-Laryngologica</i> , 1994, 114, 473-478.	0.9	9
87	Acute Superior Oblique Palsy in Monkeys: III. Relationship to Listing's Law. , 2007, 48, 2621.		9
88	Relationship between jerky and sinusoidal oscillations in cervical dystonia. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 130-137.	2.2	9
89	Visual Fixation and Continuous Head Rotations Have Minimal Effect on Set-Point Adaptation to Magnetic Vestibular Stimulation. <i>Frontiers in Neurology</i> , 2018, 9, 1197.	2.4	9
90	Evaluation of the Video Ocular Counter-Roll (vOCR) as a New Clinical Test of Otolith Function in Peripheral Vestibulopathy. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2021, 147, 518.	2.2	9

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91	Vestibulo-Ocular Reflex Suppression during Head-Fixed Saccades Reveals Gaze Feedback Control. <i>Journal of Neuroscience</i> , 2015, 35, 1192-1198.	3.6	8
92	Neuro-ophthalmology and neuro-otology update. <i>Journal of Neurology</i> , 2015, 262, 2786-2792.	3.6	7
93	Pendular Oscillation and Ocular Bobbing After Pontine Hemorrhage. <i>Cerebellum</i> , 2019, 20, 734-743.	2.5	7
94	Cerebellumâ€™ Editorial Regarding Consensus Paper Consensus on Virtual Management of Vestibular Disorders: Urgent Versus Expedited Care. Shaikh et al., doi.org/10.1007/s12311-020â€™01178-8. <i>Cerebellum</i> , 2021, 20, 1-3.	2.5	7
95	Neuroâ€™ Ophthalmological Findings in Early Fatal Familial Insomnia. <i>Annals of Neurology</i> , 2021, 89, 823-827.	5.3	7
96	Adaptation of the phase of the human linear vestibulo-ocular reflex (LVOR) and effects on the oculomotor neural integrator. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2000, 10, 239-247.	2.0	7
97	Variants of windmill nystagmus. <i>Journal of Neurology</i> , 2016, 263, 1375-1381.	3.6	5
98	Impaired fixation suppression of horizontal vestibular nystagmus during smooth pursuit: pathophysiology and clinical implications. <i>European Journal of Neurology</i> , 2021, 28, 2614-2621.	3.3	5
99	Pearls & Oy-sters: Positional vertigo and vertical nystagmus in medulloblastoma. <i>Neurology</i> , 2018, 90, e352-e354.	1.1	4
100	Reply: Contributions of visual and motor signals in cervical dystonia. <i>Brain</i> , 2017, 140, e5-e5.	7.6	3
101	Eye movements in general neurology and its subspecialties: introduction to the topical collection. <i>Neurological Sciences</i> , 2021, 42, 387-388.	1.9	3
102	Modeling the interaction among three cerebellar disorders of eye movements: periodic alternating, gaze-evoked and rebound nystagmus. <i>Journal of Computational Neuroscience</i> , 2021, 49, 295-307.	1.0	3
103	Oculomotor control: normal and abnormal. , 2002, , 634-657.		2
104	Bilateral INO: Unusual patterns of saccadic intrusions. <i>Neurology</i> , 2015, 85, 1428-1429.	1.1	2
105	Teaching Video Neuro <i>Images</i> : The hopping lid twitch in myasthenia gravis. <i>Neurology</i> , 2016, 87, e55.	1.1	2
106	Downbeat Nystagmus Is Abolished by Alcohol in Nonalcoholic Wernicke Encephalopathy. <i>Neurology: Clinical Practice</i> , 0, , 10.1212/CPJ.0000000000001138.	1.6	2
107	Nystagmus only with fixation in the light: a rare central sign due to cerebellar malfunction. <i>Journal of Neurology</i> , 2022, 269, 3879-3890.	3.6	2
108	Dizziness. <i>Seminars in Neurology</i> , 2016, 36, 433-441.	1.4	1

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109	Patterns and modulations of Pendular nystagmus in a family with hereditary spastic paraplegia. <i>Journal of the Neurological Sciences</i> , 2017, 383, 169-173.	0.6	1
110	Eye movements in demyelinating, autoimmune and metabolic disorders. <i>Current Opinion in Neurology</i> , 2020, 33, 111-116.	3.6	1
111	Upbeat Nystagmus with an Unusual Velocity-Decreasing and Increasing Waveform: a Sign of Gaze-Holding Dysfunction in the Paramedian Tracts in the Medulla?. <i>Cerebellum</i> , 2023, 22, 148-154.	2.5	1
112	Adaptive control of pursuit eye movements in humans. <i>Strabismus</i> , 2003, 11, 243-245.	0.7	0
113	A neurologist and ataxia: using eye movements to learn about the cerebellum. <i>Cerebellum and Ataxias</i> , 2018, 5, 2.	1.9	0
114	Alexander's Law During High-Speed, Yaw-Axis Rotation: Adaptation or Saturation?. <i>Frontiers in Neurology</i> , 2020, 11, 604502.	2.4	0
115	ç¬¬46âž æ—¥æœ¬â¹³èjjç¥žçµCεçS'â¬ ä¼4šâ¬ èj"è¬æ¼"ä¼š ç%¹â^¥è¬æ¼"è   æ—". <i>Equilibrium Research</i> , 1988, 17, 18-21		
116	Monocular patching attenuates vertical nystagmus in Wernicke's Encephalopathy via release of activity in subcortical visual pathways. <i>Movement Disorders Clinical Practice</i> , 0, , .	1.5	0
117	Pharmacological and Behavioral Strategies to Improve Vision in Acquired Pendular Nystagmus. <i>American Journal of Case Reports</i> , 0, 23, .	0.8	0