

Andreas Sprenger

List of Publications by Year in descending order

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122
papers

2,963
citations

147566

31
h-index

233125

45
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133
all docs

133
docs citations

133
times ranked

2983
citing authors

#	ARTICLE	IF	CITATIONS
1	Eye movement abnormalities in essential tremor may indicate cerebellar dysfunction. <i>Brain</i> , 2003, 126, 1319-1332.	3.7	184
2	Cerebellar activation in opsoclonus. <i>Neurology</i> , 2003, 61, 412-415.	1.5	94
3	Cortical mechanisms of smooth pursuit eye movements with target blanking. An fMRI study. <i>European Journal of Neuroscience</i> , 2004, 19, 1430-1436.	1.2	84
4	Parametric modulation of cortical activation during smooth pursuit with and without target blanking. An fMRI study. <i>NeuroImage</i> , 2006, 29, 1319-1325.	2.1	77
5	Reduced neuronal activity in the V5 complex underlies smooth-pursuit deficit in schizophrenia: evidence from an fMRI study. <i>NeuroImage</i> , 2005, 24, 1256-1259.	2.1	65
6	Effects of Voluntary Blinks on Saccades, Vergence Eye Movements, and Saccade-Vergence Interactions in Humans. <i>Journal of Neurophysiology</i> , 2002, 88, 1220-1233.	0.9	64
7	On Why Left Events are the Right Ones: Neural Mechanisms Underlying the Left-hemifield Advantage in Rapid Serial Visual Presentation. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 474-488.	1.1	63
8	Differential Effects of Sleep Deprivation on Saccadic Eye Movements. <i>Sleep</i> , 2005, 28, 1109-1115.	0.6	62
9	Vergence deficits in patients with cerebellar lesions. <i>Brain</i> , 2009, 132, 103-115.	3.7	57
10	Eye-hand coordination in essential tremor. <i>Movement Disorders</i> , 2006, 21, 373-379.	2.2	56
11	Pursuit eye movements as an intermediate phenotype across psychotic disorders: Evidence from the B-SNIP study. <i>Schizophrenia Research</i> , 2015, 169, 326-333.	1.1	56
12	Hippocampal gray matter volume in bilateral vestibular failure. <i>Human Brain Mapping</i> , 2016, 37, 1998-2006.	1.9	54
13	Localization of human intraparietal areas AIP, CIP, and LIP using surface orientation and saccadic eye movement tasks. <i>Human Brain Mapping</i> , 2008, 29, 411-421.	1.9	53
14	Deficient amygdala-prefrontal intrinsic connectivity after effortful emotion regulation in borderline personality disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 551-565.	1.8	52
15	Different extraretinal neuronal mechanisms of smooth pursuit eye movements in schizophrenia: An fMRI study. <i>NeuroImage</i> , 2007, 34, 300-309.	2.1	51
16	Visual search in patients with left visual hemineglect. <i>Progress in Brain Research</i> , 2002, 140, 395-416.	0.9	50
17	Transcranial sonography findings in a large family with homozygous and heterozygous PINK1 mutations. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008, 79, 1071-1074.	0.9	50
18	Changes in resting-state fMRI in vestibular neuritis. <i>Brain Structure and Function</i> , 2014, 219, 1889-1900.	1.2	48

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19	Towards gaze-mediated interaction: Collecting solutions of the "Midas touch problem", 1997, , 509-516.		45
20	Effect of 3,4-diaminopyridine on the gravity dependence of ocular drift in downbeat nystagmus. Neurology, 2004, 63, 752-753.	1.5	44
21	Altered resting-state functional connectivity in patients with chronic bilateral vestibular failure. NeuroImage: Clinical, 2014, 4, 488-499.	1.4	43
22	Cortical mechanisms of retinal and extraretinal smooth pursuit eye movements to different target velocities. NeuroImage, 2008, 41, 483-492.	2.1	42
23	Eye movement abnormalities in spinocerebellar ataxia type 17 (SCA17). Neurology, 2007, 69, 1160-1168.	1.5	41
24	Effects of Second-Generation Antipsychotic Medication on Smooth Pursuit Performance in Antipsychotic-Naive Schizophrenia. Archives of General Psychiatry, 2008, 65, 1146.	13.8	41
25	Impact of dynamic bottom-up features and top-down control on the visual exploration of moving real-world scenes in hemispatial neglect. Neuropsychologia, 2012, 50, 2415-2425.	0.7	41
26	Dystonia, lower limb stiffness, and upward gaze palsy in a patient with IgLON5 antibodies. Movement Disorders, 2016, 31, 762-764.	2.2	41
27	Postural Control in Bilateral Vestibular Failure: Its Relation to Visual, Proprioceptive, Vestibular, and Cognitive Input. Frontiers in Neurology, 2017, 8, 444.	1.1	40
28	Sensorimotor Transformation Deficits for Smooth Pursuit in First-Episode Affective Psychoses and Schizophrenia. Biological Psychiatry, 2010, 67, 217-223.	0.7	39
29	Randomized Controlled Trial on Hemifield Eye Patching and Optokinetic Stimulation in Acute Spatial Neglect. Stroke, 2014, 45, 2465-2468.	1.0	36
30	Evidence from increased anticipation of predictive saccades for a dysfunction of fronto-striatal circuits in obsessive-compulsive disorder. Psychiatry Research, 2006, 143, 77-88.	1.7	35
31	Advanced analysis of free visual exploration patterns in schizophrenia. Frontiers in Psychology, 2013, 4, 737.	1.1	33
32	Visual search disorders beyond pure sensory failure in patients with acute homonymous visual field defects. Neuropsychologia, 2009, 47, 2704-2711.	0.7	32
33	Eye movements during REM sleep and imagination of visual scenes. NeuroReport, 2010, 21, 45-49.	0.6	31
34	Altered transfer of visual motion information to parietal association cortex in untreated first-episode psychosis: Implications for pursuit eye tracking. Psychiatry Research - Neuroimaging, 2011, 194, 30-38.	0.9	31
35	Role of anticipation and prediction in smooth pursuit eye movement control in Parkinson's disease. Movement Disorders, 2012, 27, 1012-1018.	2.2	31
36	Genome-wide association studies of smooth pursuit and antisaccade eye movements in psychotic disorders: findings from the B-SNIP study. Translational Psychiatry, 2017, 7, e1249-e1249.	2.4	31

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37	fMRI evidence for sensorimotor transformations in human cortex during smooth pursuit eye movements. <i>Neuropsychologia</i> , 2008, 46, 2203-2213.	0.7	30
38	Cerebellar infarction affects visual search. <i>NeuroReport</i> , 2005, 16, 1507-1511.	0.6	29
39	Usability of the head impulse test in routine clinical practice in the emergency department to differentiate vestibular neuritis from stroke. <i>European Journal of Neurology</i> , 2021, 28, 1737-1744.	1.7	29
40	The effect of blur adaptation on accommodative response and pupil size during reading. <i>Journal of Vision</i> , 2010, 10, 1-1.	0.1	28
41	The ipsilesional attention bias in right-hemisphere stroke patients as revealed by a realistic visual search task: Neuroanatomical correlates and functional relevance. <i>Neuropsychology</i> , 2018, 32, 850-865.	1.0	28
42	Functional dissociation of saccade and hand reaching control with bilateral lesions of the medial wall of the intraparietal sulcus: Implications for optic ataxia. <i>NeuroImage</i> , 2007, 36, T69-T76.	2.1	27
43	Increased brain responsivity to galvanic vestibular stimulation in bilateral vestibular failure. <i>NeuroImage: Clinical</i> , 2019, 24, 101942.	1.4	27
44	Effect of 3,4-Diaminopyridine on the Postural Control in Patients with Downbeat Nystagmus. <i>Annals of the New York Academy of Sciences</i> , 2005, 1039, 395-403.	1.8	25
45	Distributed representations of the "preparatory set" in the frontal oculomotor system: a TMS study. <i>BMC Neuroscience</i> , 2008, 9, 89.	0.8	25
46	Functional MRI Reveals Activation of a Subcortical Network in a 5-Year-Old Girl with Genetically Confirmed Myoclonus-Dystonia. <i>Neuropediatrics</i> , 2006, 37, 79-82.	0.3	24
47	Sleep is required for improving reaction times after training on a procedural visuo-motor task. <i>Neurobiology of Learning and Memory</i> , 2008, 90, 610-615.	1.0	24
48	Visual Search Disorders in Acute and Chronic Homonymous Hemianopia. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 419-426.	1.8	23
49	The platelet-rich plasma clot. <i>Blood Coagulation and Fibrinolysis</i> , 2011, 22, 407-415.	0.5	23
50	Always on guard: emotion regulation in women with. <i>Journal of Psychiatry and Neuroscience</i> , 2018, 43, 37-47.	1.4	22
51	Treatment of the gravity dependence of downbeat nystagmus with 3,4-diaminopyridine. <i>Neurology</i> , 2006, 67, 905-907.	1.5	21
52	Beneficial effects of 3,4-diaminopyridine on positioning downbeat nystagmus in a circumscribed uvulo-nodular lesion. <i>Journal of Neurology</i> , 2007, 254, 1126-1128.	1.8	21
53	Adaptive Cueing Treatment of Neglect in Stroke Patients Leads to Improvements in Activities of Daily Living: A Randomized Controlled, Crossover Trial. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 988-998.	1.4	21
54	The role of prediction and anticipation on age-related effects on smooth pursuit eye movements. <i>Annals of the New York Academy of Sciences</i> , 2011, 1233, 168-176.	1.8	20

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55	Effect of 4-aminopyridine on gravity dependence and neural integrator function in patients with idiopathic downbeat nystagmus. <i>Journal of Neurology</i> , 2011, 258, 618-622.	1.8	19
56	Biased Attention to Facial Expressions of Ambiguous Emotions in Borderline Personality Disorder: An Eye-Tracking Study. <i>Journal of Personality Disorders</i> , 2019, 33, 671-S8.	0.8	19
57	Altered Velocity Processing in Schizophrenia during Pursuit Eye Tracking. <i>PLoS ONE</i> , 2012, 7, e38494.	1.1	19
58	Acute hemianopic patients do not show a contralesional deviation in the line bisection task. <i>Journal of Neurology</i> , 2009, 256, 289-290.	1.8	18
59	Eye movement disorders are different in <i>Parkin</i> -linked and idiopathic early-onset PD. <i>Neurology</i> , 2010, 75, 125-128.	1.5	18
60	Dissociable cerebellar activity during spatial navigation and visual memory in bilateral vestibular failure. <i>Neuroscience</i> , 2015, 305, 257-267.	1.1	18
61	Effects of galvanic vestibular stimulation on resting state brain activity in patients with bilateral vestibulopathy. <i>Human Brain Mapping</i> , 2020, 41, 2527-2547.	1.9	18
62	Optic Flow Stimuli in and Near the Visual Field Centre: A Group fMRI Study of Motion Sensitive Regions. <i>PLoS ONE</i> , 2008, 3, e4043.	1.1	17
63	Visual and non-visual motion information processing during pursuit eye tracking in schizophrenia and bipolar disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 225-235.	1.8	17
64	Impulse control under emotion processing: an fMRI investigation in borderline personality disorder compared to non-patients and cluster-C personality disorder patients. <i>Brain Imaging and Behavior</i> , 2020, 14, 2107-2121.	1.1	17
65	Long-term eye movement recordings with a scleral search coil-eyelid protection device allows new applications. <i>Journal of Neuroscience Methods</i> , 2008, 170, 305-309.	1.3	16
66	Postural Ataxia in Cerebellar Downbeat Nystagmus: Its Relation to Visual, Proprioceptive and Vestibular Signals and Cerebellar Atrophy. <i>PLoS ONE</i> , 2017, 12, e0168808.	1.1	16
67	Perilymph fistula associated with pulse-synchronous eye oscillations. <i>Neurology</i> , 2001, 56, 1769-1771.	1.5	15
68	Visual motion, eye motion, and relative motion: A parametric fMRI study of functional specializations of smooth pursuit eye movement network areas. <i>Journal of Vision</i> , 2010, 10, 21-21.	0.1	15
69	Postural control during galvanic vestibular stimulation in patients with persistent perceptual "postural dizziness". <i>Journal of Neurology</i> , 2019, 266, 1236-1249.	1.8	15
70	Free visual exploration of natural movies in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2019, 269, 407-418.	1.8	15
71	Eye movement disorders in <i>ATP13A2</i> mutation carriers (PARK9). <i>Movement Disorders</i> , 2010, 25, 2687-2689.	2.2	14
72	Overestimation of saccadic peak velocity recorded by electro-oculography compared to video-oculography and scleral search coil. <i>Clinical Neurophysiology</i> , 2010, 121, 1786-1787.	0.7	14

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73	Help or hurt? How attention modulates tics under different conditions. <i>Cortex</i> , 2019, 120, 471-482.	1.1	14
74	Effects of perceptible and imperceptible galvanic vestibular stimulation on the postural control of patients with bilateral vestibulopathy. <i>Journal of Neurology</i> , 2020, 267, 2383-2397.	1.8	14
75	Saccade initiation in ocular motor apraxia. <i>Journal of Neurology</i> , 2006, 253, 950-952.	1.8	13
76	A TMS study on non-consciously triggered response tendencies in the motor cortex. <i>Experimental Brain Research</i> , 2006, 173, 115-129.	0.7	13
77	Behavioral deficits in left hemispatial neglect are related to a reduction of spontaneous neuronal activity in the right superior parietal lobule. <i>Neuropsychologia</i> , 2020, 138, 107356.	0.7	13
78	Enhanced top-down control during pursuit eye tracking in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 223-231.	1.8	12
79	Role of the Patient's History of Vestibular Symptoms in the Clinical Evaluation of the Bedside Head-Impulse Test. <i>Frontiers in Neurology</i> , 2017, 8, 51.	1.1	12
80	Eye movement deficits in X-linked dystonia-parkinsonism are related to striatal degeneration. <i>Parkinsonism and Related Disorders</i> , 2019, 61, 170-178.	1.1	12
81	Smooth pursuit eye movement deficits as a biomarker for psychotic features in bipolar disorder – Findings from the PARDIP study. <i>Bipolar Disorders</i> , 2020, 22, 602-611.	1.1	12
82	Blink effect on slow vergence. <i>NeuroReport</i> , 2002, 13, 2041-2044.	0.6	11
83	Itch Relief by Mirror Scratching. A Psychophysical Study. <i>PLoS ONE</i> , 2013, 8, e82756.	1.1	11
84	A Simple Gain-Based Evaluation of the Video Head Impulse Test Reliably Detects Normal Vestibulo-Ocular Reflex Indicative of Stroke in Patients With Acute Vestibular Syndrome. <i>Frontiers in Neurology</i> , 2021, 12, 741859.	1.1	11
85	Do Predictive Mechanisms Improve the Angular Vestibulo-Ocular Reflex in Vestibular Neuritis?. <i>Audiology and Neuro-Otology</i> , 2006, 11, 53-58.	0.6	10
86	Predictive mechanisms improve the vestibulo-ocular reflex in patients with bilateral vestibular failure. <i>Journal of Neurology</i> , 2014, 261, 628-631.	1.8	10
87	Disjunctive saccades during smooth pursuit eye movements in ocular myasthenia gravis. <i>Journal of Neurology</i> , 2008, 255, 1094-1096.	1.8	8
88	Brain Activations During Optokinetic Stimulation in Acute Right-Hemisphere Stroke Patients and Hemispatial Neglect: An fMRI Study. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 581-592.	1.4	8
89	Borderline personality disorder classification based on brain network measures during emotion regulation. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 1169-1178.	1.8	8
90	Resting-State Functional Connectivity in the Dorsal Attention Network Relates to Behavioral Performance in Spatial Attention Tasks and May Show Task-Related Adaptation. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 757128.	1.0	8

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91	The Role of the Fastigial Nucleus in Saccadic Eye Oscillations. <i>Annals of the New York Academy of Sciences</i> , 2003, 1004, 229-240.	1.8	7
92	Patients with borderline personality disorder and comorbid PTSD show biased attention for threat in the facial dot-probe task. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2020, 67, 101437.	0.6	7
93	Prodromal Xâ€Linked Dystoniaâ€Parkinsonism is Characterized by a Subclinical Motor Phenotype. <i>Movement Disorders</i> , 2022, 37, 1474-1482.	2.2	7
94	Perilymph fistula associated with pulse-synchronous eye oscillations. <i>Neurology</i> , 2002, 58, 159-160.	1.5	6
95	Different saccadic abnormalities in PINK1 mutation carriers and in patients with non-genetic Parkinsonâ€™s disease. <i>Journal of Neurology</i> , 2009, 256, 1192-1194.	1.8	6
96	Social gating of sensory information during ongoing communication. <i>NeuroImage</i> , 2015, 104, 189-198.	2.1	6
97	Acquired pendular nystagmus and its therapy in progressive supranuclear palsy (PSP) due to inferior olivary hypertrophy. <i>Journal of Neurology</i> , 2013, 260, 2424-2426.	1.8	5
98	Inverse eye position dependency of downbeat nystagmus in midline medullary lesion. <i>Journal of Neurology</i> , 2013, 260, 2908-2910.	1.8	5
99	Deprivation and Recovery of Sleep in Succession Enhances Reflexive Motor Behavior. <i>Cerebral Cortex</i> , 2015, 25, 4610-4618.	1.6	5
100	Looking at the bigger picture: Cortical volume, thickness and surface area characteristics in borderline personality disorder with and without posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2021, 311, 111283.	0.9	5
101	Current state of diagnostic management of acute vertigo: a survey of neurologists in Germany. <i>Journal of Neurology</i> , 2014, 261, 1638-1640.	1.8	4
102	Unbalancing the Attentional Priority Map via Gaze-Contingent Displays Induces Neglect-Like Visual Exploration. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 41.	1.0	4
103	Smooth Eye Movements in Humans: Smooth Pursuit, Optokinetic Nystagmus and Vestibular Ocular Reflex. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2019, , 117-163.	0.1	4
104	Why Do Patients with Impaired Vergence Not Show â€Saccadicâ€Vergence?. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 440-443.	1.8	3
105	Acute amnestic syndrome due to MDMA exposure. <i>Journal of Neurology</i> , 2016, 263, 1022-1023.	1.8	3
106	Ganzfeld Stimulation or Sleep Enhance Long Term Motor Memory Consolidation Compared to Normal Viewing in Saccadic Adaptation Paradigm. <i>PLoS ONE</i> , 2015, 10, e0123831.	1.1	3
107	How precisely can the regularity of spontaneous activity be recognized acoustically?. <i>Clinical Neurophysiology</i> , 2010, 121, 1969-1971.	0.7	2
108	Cerebellar ataxia with unilateral high frequency vestibulopathy and caloric disinhibition. <i>Journal of the Neurological Sciences</i> , 2015, 358, 527-529.	0.3	2

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109	Clot Formation in the Presence of Acetylsalicylic Acid Leads to Increased Lysis Rates Regardless of the Chosen Thrombolysis Strategy. <i>Journal of Vascular Research</i> , 2016, 53, 128-137.	0.6	2
110	Postural control during recall of vestibular sensation in patients with functional dizziness and unilateral vestibulopathy. <i>Journal of Neurology</i> , 2017, 264, 42-44.	1.8	2
111	Visual exploration of emotional faces in schizophrenia using masks from the Japanese Noh theatre. <i>Neuropsychologia</i> , 2019, 133, 107193.	0.7	2
112	Downbeat Nystagmus Is Abolished by Alcohol in Nonalcoholic Wernicke Encephalopathy. <i>Neurology: Clinical Practice</i> , 0, , 10.1212/CPJ.0000000000001138.	0.8	2
113	NPTX1-related oculomotor apraxia: an intra-hemispheric disconnection disorder. <i>Journal of Neurology</i> , 2022, 269, 3931-3936.	1.8	2
114	Autosomal dominant Parkinsonâ€™s disease in a large German pedigree. <i>Acta Neurologica Scandinavica</i> , 2012, 126, 129-137.	1.0	1
115	Resting-state functional connectivity in the attention networks is not altered by offline theta-burst stimulation of the posterior parietal cortex or the temporo-parietal junction as compared to a vertex control site. <i>NeuroImage Reports</i> , 2021, 1, 100013.	0.5	1
116	Impaired Representation of Saccadic Eye Displacement after Posterior Parietal Lesions: Is It a Craniotopic or a Directional Deficit?. <i>Annals of the New York Academy of Sciences</i> , 2003, 1004, 465-468.	1.8	1
117	Higher level influences on saccade generation in normals and patients with visual hemineglect. <i>Behavioral and Brain Sciences</i> , 1999, 22, 688-689.	0.4	0
118	Tracking in 3-D space under natural viewing condition. <i>Progress in Brain Research</i> , 2008, 171, 459-465.	0.9	0
119	Spike artefact of extraocular eye muscles does not account for increased saccadic peak velocity in EOG recordings. <i>Clinical Neurophysiology</i> , 2011, 122, 1476-1478.	0.7	0
120	Palatal tremor visualized by cine MRI. <i>Movement Disorders</i> , 2011, 26, 1959-1960.	2.2	0
121	Track D. Biosignal Processing. <i>Biomedizinische Technik</i> , 2015, 60, s47-s102.	0.9	0
122	Monocular patching attenuates vertical nystagmus in Wernickeâ€™s Encephalopathy via release of activity in subcortical visual pathways. <i>Movement Disorders Clinical Practice</i> , 0, , .	0.8	0