Frank Bremmer

List of Publications by Year
in descending order

127 papers	6,418 citations	94269 37 h-index	69108 77 g-index
133 all docs	133 docs citations	133 times ranked	3907 citing authors

#	Article	IF	Citations
1	Visual Perturbation Suggests Increased Effort to Maintain Balance in Early Stages of Parkinsonâ€™s to be an Effect of Age Rather Than Disease. Frontiers in Human Neuroscience, 2022, 16, 762380.	1.0	3
2	Influence of Tactile Flow on Visual Heading Perception. Multisensory Research, 2022, 35, 291-308.	0.6	2
3	Perisaccadic encoding of temporal information in macaque area V4. Journal of Neurophysiology, 2021, 125, 785-795.	0.9	1
4	Action-dependent processing of self-motion in parietal cortex of macaque monkeys. Journal of Neurophysiology, 2021, 125, 2432-2443.	0.9	1
5	Multi-segment phase coupling to oscillatory visual drive. Gait and Posture, 2021, 86, 132-138.	0.6	6
6	Decoding of visually guided and interceptive saccades from area LIP of macaque monkeys. Journal of Vision, 2021, 21, 2374.	0.1	0
7	Influence of tactile flow on visual heading perception. Journal of Vision, 2021, 21, 1915.	0.1	0
8	Coding of interceptive saccades in parietal cortex of macaque monkeys. Brain Structure and Function, 2021, 226, 2707-2723.	1.2	2
9	Preattentive processing of visually guided self-motion in humans and monkeys. Progress in Neurobiology, 2021, 205, 102117.	2.8	4
10	Visual perturbation of balance suggests impaired motor control but intact visuomotor processing in Parkinsonâ€™s disease. Journal of Neurophysiology, 2021, 126, 1076-1089.	0.9	3
11	Quantitative comparison of a mobile and a stationary video-based eye-tracker. Behavior Research Methods, 2020, 52, 667-680.	2.3	16
12	Dynamics of Visual Perceptual Echoes Following Short-Term Visual Deprivation. Cerebral Cortex Communications, 2020, 1, tgaa012.	0.7	9
13	A Causal Role of Area hMST for Self-Motion Perception in Humans. Cerebral Cortex Communications, 2020, 1, tgaa042.	0.7	7
14	Inter-trial phase coherence of visually evoked postural responses in virtual reality. Experimental Brain Research, 2020, 238, 1177-1189.	0.7	13
15	Nonretinocentric localization of successively presented flashes during smooth pursuit eye movements. Journal of Vision, 2020, 20, 8.	0.1	1
16	Pourquoi le monde reste-t-il stable quand nous bougeons les yeuxÂ?. , 2020, NÂ° 123, 28-29.		0
17	Saccade-induced changes in ocular torsion reveal predictive orientation perception. Journal of Vision, 2019, 19, 10.	0.1	5
18	Predictive coding in a multisensory path integration task: An fMRI study. Journal of Vision, 2019, 19, 13.	0.1	7

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19	Neural correlates of path integration during visually simulated self-motion. Journal of Vision, 2019, 19, 236b.	0.1	0
20	Dynamic interplay of position- and velocity signals during interceptive saccades in monkeys and humans. Journal of Vision, 2019, 19, 84a.	0.1	0
21	Eye movements during path integration. Physiological Reports, 2018, 6, e13921.	0.7	5
22	Preattentive and Predictive Processing of Visual Motion. Scientific Reports, 2018, 8, 12399.	1.6	15
23	Comparison of the precision of smooth pursuit in humans and head unrestrained monkeys. Journal of Eye Movement Research, 2018, 11, .	0.5	1
24	The neural basis of actively controlled visually simulated self-motion. Journal of Vision, 2018, 18, 42.	0.1	0
25	The SNARC effect in two dimensions: Evidence for a frontoparallel mental number plane. Vision Research, 2017, 130, 85-96.	0.7	21
26	A Wireless, Bidirectional Interface for In Vivo Recording and Stimulation of Neural Activity in Freely Behaving Rats. Journal of Visualized Experiments, 2017, , .	0.2	10
27	Integration of visual and tactile information in reproduction of traveled distance. Journal of Neurophysiology, 2017, 118, 1650-1663.	0.9	10
28	Heading representations in primates are compressed by saccades. Nature Communications, 2017, 8, 920.	5.8	26
29	Preattentive Processing of Numerical Visual Information. Frontiers in Human Neuroscience, 2017, 11, 70.	1.0	16
30	Differential responses of neurons in the macaque Lateral Intraparietal area to voluntary and reflexive saccades. Journal of Vision, 2017, 17, 1145.	0.1	0
31	A model explaining visual spatial (mis-)localization of flashed stimuli in man and monkey. Journal of Vision, 2017, 17, 1146.	0.1	0
32	Decoding Target Distance and Saccade Amplitude from Population Activity in the Macaque Lateral Intraparietal Area (LIP). Frontiers in Integrative Neuroscience, 2016, 10, 30.	1.0	21
33	The Dorsal Visual System Predicts Future and Remembers Past Eye Position. Frontiers in Systems Neuroscience, 2016, 10, 9.	1.2	20
34	Neural correlate of spatial (misâ€}localization during smooth eye movements. European Journal of Neuroscience, 2016, 44, 1846-1855.	1.2	15
35	Eye movements of patients with schizophrenia in a natural environment. European Archives of Psychiatry and Clinical Neuroscience, 2016, 266, 43-54.	1.8	32
36	SNARC Effect in Different Effectors. Perception, 2016, 45, 180-195.	0.5	10

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37	Multisensory Integration in Self Motion Perception. Multisensory Research, 2016, 29, 525-556.	0.6	51
38	Visual Neuroscience: The Puzzle of Perceptual Stability. Current Biology, 2016, 26, R199-R201.	1.8	10
39	Processing of visually simulated self-motion â€“ an EEG-study. Journal of Vision, 2016, 16, 889.	0.1	0
40	Monocular visual localization during eye movements. Journal of Vision, 2016, 16, 111.	0.1	0
41	Effects of aging on eye movements in the real world. Frontiers in Human Neuroscience, 2015, 9, 46.	1.0	99
42	Fronto-insula network activity explains emotional dysfunctions in juvenile myoclonic epilepsy: Combined evidence from pupillometry and fMRI. Cortex, 2015, 65, 219-231.	1.1	25
43	Perisaccadic changes in perceived heading and their neural correlates. Journal of Vision, 2015, 15, 204.	0.1	0
44	Self-motion perception in the elderly. Frontiers in Human Neuroscience, 2014, 8, 681.	1.0	28
45	Testâ€“retest reliability of fMRI activation generated by different saccade tasks. Journal of Magnetic Resonance Imaging, 2014, 40, 37-46.	1.9	6
46	Visual selectivity for heading in the macaque ventral intraparietal area. Journal of Neurophysiology, 2014, 112, 2470-2480.	0.9	23
47	Perisaccadic Response Modulations in Area V1 of the Macaque Monkey are stimulus-dependent. Journal of Vision, 2014, 14, 581-581.	0.1	0
48	Spatio-temporal topography of saccadic overestimation of time. Vision Research, 2013, 83, 56-65.	0.7	10
49	Eye-Position Signals in the Dorsal Visual System Are Accurate and Precise on Short Timescales. Journal of Neuroscience, 2013, 33, 12395-12406.	1.7	37
50	Encoding of movement in near extrapersonal space in primate area VIP. Frontiers in Behavioral Neuroscience, 2013, 7, 8.	1.0	28
51	Systematic deviation of eye-movement direction from stimulus-direction during Optokinetic Nystagmus. Journal of Vision, 2013, 13, 386-386.	0.1	0
52	Saccadic suppression comprises an active binocular mechanism. Journal of Vision, 2013, 13, 108-108.	0.1	0
53	Saccadic Compression of Symbolic Numerical Magnitude. PLoS ONE, 2012, 7, e49587.	1.1	16
54	Validation of mobile eye-tracking as novel and efficient means for differentiating progressive supranuclear palsy from Parkinson's disease. Frontiers in Behavioral Neuroscience, 2012, 6, 88.	1.0	44

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55	Dynamics of Eye-Position Signals in the Dorsal Visual System. Current Biology, 2012, 22, 173-179.	1.8	69
56	Localization of visual targets during open-loop smooth pursuit. Journal of Vision, 2012, 12, 990-990.	0.1	0
57	Stimulation with a Wireless Intraocular Epiretinal Implant Elicits Visual Percepts in Blind Humans. , 2011, 52, 449.		143
58	Spatiotemporal profile of peri-saccadic contrast sensitivity. Journal of Vision, 2011, 11, 15-15.	0.1	38
59	Multisensory space: from eyeâ€movements to selfâ€motion. Journal of Physiology, 2011, 589, 815-823.	1.3	32
60	Challenges to normal neural functioning provide insights into separability of motion processing mechanisms. Neuropsychologia, 2011, 49, 3151-3163.	0.7	6
61	Saccadic suppression of displacement in face of saccade adaptation. Vision Research, 2011, 51, 881-889.	0.7	10
62	Self-Motion Reproduction Can Be Affected by Associated Auditory Cues. Seeing and Perceiving, 2011, 24, 203-222.	0.4	10
63	Receptive Field Positions in Area MT during Slow Eye Movements. Journal of Neuroscience, 2011, 31, 10437-10444.	1.7	25
64	Spatial topography of saccade induced chronostasis. Journal of Vision, 2011, 11, 1223-1223.	0.1	0
65	Visual selectivity for heading in monkey area MST. Experimental Brain Research, 2010, 200, 51-60.	0.7	47
66	Spatial perception during pursuit initiation. Vision Research, 2010, 50, 2714-2720.	0.7	8
67	Vision Research special issue on â€œPerception and actionâ€. Vision Research, 2010, 50, 2617.	0.7	2
68	Perisaccadic mislocalization as optimal percept. Journal of Vision, 2010, 10, 19-19.	0.1	15
69	Localization of visual and auditory stimuli during smooth pursuit eye movements. Journal of Vision, 2010, 10, 8-8.	0.1	6
70	Dynamics of eye position signals in macaque dorsal areas explain peri-saccadic mislocalization. Journal of Vision, 2010, 10, 556-556.	0.1	3
71	Foveation Time as a Driving Factor of Saccade Adaptation. Journal of Vision, 2010, 10, 501-501.	0.1	0
72	Learning arbitrary visuoauditory mappings during interception of moving targets. Journal of Vision, 2010, 10, 882-882.	0.1	0

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73	Perisaccadic response properties of MT neurons. Journal of Vision, 2010, 10, 511-511.	0.1	1
74	Task influences on the dynamic properties of fast eye movements. Journal of Vision, 2009, 9, 1-1.	0.1	24
75	Neural Dynamics of Saccadic Suppression. Journal of Neuroscience, 2009, 29, 12374-12383.	1.7	180
76	Cortical networks for motion processing: Effects of focal brain lesions on perception of different motion types. Neuropsychologia, 2009, 47, 2133-2144.	0.7	35
77	Perisaccadic localization of auditory stimuli. Experimental Brain Research, 2009, 198, 411-423.	0.7	14
78	Visual response properties of neurons in cortical areas MT and MST projecting to the dorsolateral pontine nucleus or the nucleus of the optic tract in macaque monkeys. European Journal of Neuroscience, 2009, 29, 411-423.	1.2	11
79	I know where you'll look: an fMRI study of oculomotor intention and a change of motor plan. Behavioral and Brain Functions, 2009, 5, 27.	1.4	3
80	The Main Sequence of Human Optokinetic Afternystagmus (OKAN). Journal of Neurophysiology, 2009, 101, 2889-2897.	0.9	7
81	Differential aging of motion processing mechanisms: Evidence against general perceptual decline. Vision Research, 2008, 48, 1254-1261.	0.7	135
82	Visual Neuroscience: The Brain's Interest in Natural Flow. Current Biology, 2008, 18, R263-R265.	1.8	2
83	Depth perception during saccades. Journal of Vision, 2008, 8, 27-27.	0.1	5
84	Perceptual evidence for saccadic updating of color stimuli. Journal of Vision, 2008, 8, 9-9.	0.1	55
85	Expansion of Visual Space During Optokinetic Afternystagmus (OKAN). Journal of Neurophysiology, 2008, 99, 2470-2478.	0.9	9
86	Motion processing at low light levels: Differential effects on the perception of specific motion types. Journal of Vision, 2008, 8, 14.	0.1	29
87	Localisation of Auditory Targets during Optokinetic Nystagmus. Perception, 2007, 36, 1507-1512.	0.5	5
88	Localization of visual targets during optokinetic eye movements. Vision Research, 2007, 47, 869-878.	0.7	26
89	Different cortical activations during visuospatial attention and the intention to perform a saccade. Experimental Brain Research, 2007, 182, 333-341.	0.7	14
90	Navigation in space - the role of the macaque ventral intraparietal area. Journal of Physiology, 2005, 566, 29-35.	1.3	64

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91	An fMRI study of optokinetic nystagmus and smooth-pursuit eye movements in humans. Experimental Brain Research, 2005, 165, 203-216.	0.7	117
92	Multisensory Space Representations in the Macaque Ventral Intraparietal Area. Journal of Neuroscience, 2005, 25, 4616-4625.	1.7	283
93	Whatâ€™s Next? Sequential Movement Encoding in Primary Motor Cortex. Neuron, 2005, 45, 819-821.	3.8	4
94	The encoding of saccadic eye movements within human posterior parietal cortex. NeuroImage, 2004, 22, 304-314.	2.1	53
95	Multisensory selfâ€motion encoding in parietal cortex. Visual Cognition, 2004, 11, 161-172.	0.9	3
96	Neural correlates of implied motion. Nature, 2003, 424, 674-677.	13.7	165
97	Selectivity of macaque ventral intraparietal area (area VIP) for smooth pursuit eye movements. Journal of Physiology, 2003, 551, 551-561.	1.3	82
98	Discrimination of travel distances from â€˜situatedâ€™ optic flow. Vision Research, 2003, 43, 2173-2183.	0.7	47
99	Neural Correlates of Visual Localization and Perisaccadic Mislocalization. Neuron, 2003, 37, 537-545.	3.8	73
100	Seeing and Acting at the Same Time. Neuron, 2003, 38, 367-370.	3.8	16
101	Directional Asymmetry of Neurons in Cortical Areas MT and MST Projecting to the NOT-DTN in Macaques. Journal of Neurophysiology, 2002, 87, 2113-2123.	0.9	52
102	Visual-vestibular interactive responses in the macaque ventral intraparietal area (VIP). European Journal of Neuroscience, 2002, 16, 1569-1586.	1.2	283
103	Heading encoding in the macaque ventral intraparietal area (VIP). European Journal of Neuroscience, 2002, 16, 1554-1568.	1.2	200
104	Interaction of linear vestibular and visual stimulation in the macaque ventral intraparietal area (VIP). European Journal of Neuroscience, 2002, 16, 1877-1886.	1.2	139
105	Space Coding in Primate Posterior Parietal Cortex. NeuroImage, 2001, 14, S46-S51.	2.1	178
106	Polymodal Motion Processing in Posterior Parietal and Premotor Cortex. Neuron, 2001, 29, 287-296.	3.8	719
107	The Perception of Inferred Action. Neuron, 2001, 31, 6-7.	3.8	2
108	Representation of the visual field in the lateral intraparietal area of macaque monkeys: a quantitative receptive field analysis. Experimental Brain Research, 2001, 140, 127-144.	0.7	214

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109	Deconstructing the receptive field: Information coding in macaque area MST. Neurocomputing, 2001, 38-40, 249-254.	3.5	4
110	Eye position effects in macaque area V4. NeuroReport, 2000, 11, 1277-1283.	0.6	55
111	Responses to Continuously Changing Optic Flow in Area MST. Journal of Neurophysiology, 2000, 84, 730-743.	0.9	48
112	Stages of Self-Motion Processing in Primate Posterior Parietal Cortex. International Review of Neurobiology, 2000, 44, 173-198.	0.9	45
113	Linear Vestibular Self-Motion Signals in Monkey Medial Superior Temporal Area. Annals of the New York Academy of Sciences, 1999, 871, 272-281.	1.8	153
114	The use of optical velocities for distance discrimination and reproduction during visually simulated self motion. Experimental Brain Research, 1999, 127, 33-42.	0.7	89
115	Gaze effects in the cerebral cortex: reference frames for space coding and action. Experimental Brain Research, 1999, 128, 170-180.	0.7	98
116	Perception of self-motion from visual flow. Trends in Cognitive Sciences, 1999, 3, 329-336.	4.0	392
117	Reply to Harris and Rogers. Trends in Cognitive Sciences, 1999, 3, 450.	4.0	8
118	Eye position encoding in the macaque ventral intraparietal area (VIP). NeuroReport, 1999, 10, 873-878.	0.6	57
119	Eye Position Effects on the Neuronal Activity of Dorsal Premotor Cortex in the Macaque Monkey. Journal of Neurophysiology, 1998, 80, 1132-1150.	0.9	149
120	Visual Responses of Neurons from Areas V1 and MT in a Monkey with Late Onset Strabismus: A Case Study. Vision Research, 1997, 37, 853-863.	0.7	14
121	Eye Position Effects in Monkey Cortex. I. Visual and Pursuit-Related Activity in Extrastriate Areas MT and MST. Journal of Neurophysiology, 1997, 77, 944-961.	0.9	192
122	Spatial invariance of visual receptive fields in parietal cortex neurons. Nature, 1997, 389, 845-848.	13.7	552
123	Die ReprÃsentation von Bewegung im Raum im Primatenkortex. E-Neuroforum, 1996, 2, 12-20.	0.2	1
124	Optic Flow Processing in Monkey STS: A Theoretical and Experimental Approach. Journal of Neuroscience, 1996, 16, 6265-6285.	1.7	147
125	Monkey saccadic latency and pursuit velocity show a preference for upward directions of target motion. NeuroReport, 1996, 7, 409-412.	0.6	29
126	Neuronal responses in the motion pathway of the macaque monkey to natural optic flow stimuli. NeuroReport, 1996, 7, 884-888.	0.6	22

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127	Optokinetic and pursuit system: A case report. Behavioural Brain Research, 1993, 57, 21-29.	1.2	40