James W Bisley

List of Publications by Year
in descending order

67 papers	4,601 citations	147566 31 h-index	155451 55 g-index
67 all docs	67 docs citations	67 times ranked	3630 citing authors

#	Article	IF	Citations
1	Behavior in a visual search task with moving dot stimuli. Journal of Neurophysiology, 2022, 127, 1564-1573.	0.9	0
2	Parietal Lobe. , 2022, , 4977-4980.		0
3	A Simplified Model for Simulating Population Responses of Tactile Afferents and Receptors in the Skin. IEEE Transactions on Biomedical Engineering, 2021, 68, 556-567.	2.5	2
4	The roles of the lateral intraparietal area and frontal eye field in guiding eye movements in free viewing search behavior. Journal of Neurophysiology, 2021, 125, 2144-2157.	0.9	4
5	Bio-Inspired Haptic Feedback for Artificial Palpation in Robotic Surgery. IEEE Transactions on Biomedical Engineering, 2021, 68, 3184-3193.	2.5	9
6	Center for Advanced Surgical and Interventional Technology Multimodal Haptic Feedback for Robotic Surgery. , 2020, , 285-301.		3
7	The functional roles of neural remapping in cortex. Journal of Vision, 2020, 20, 6.	0.1	4
8	Eye Movement Planning and Control. , 2020, , 465-471.		0
9	Performance on a visual search task using random dot motion stimuli. Journal of Vision, 2020, 20, 345.	0.1	0
10	Multi-Modal Haptic Feedback for Grip Force Reduction in Robotic Surgery. Scientific Reports, 2019, 9, 5016.	1.6	69
11	Artificial palpation in robotic surgery using haptic feedback. Surgical Endoscopy and Other Interventional Techniques, 2019, 33, 1252-1259.	1.3	35
12	Neurons in FEF Keep Track of Items That Have Been Previously Fixated in Free Viewing Visual Search. Journal of Neuroscience, 2019, 39, 2114-2124.	1.7	19
13	The neural instantiation of a priority map. Current Opinion in Psychology, 2019, 29, 108-112.	2.5	92
14	The unconscious guidance of attention. Cortex, 2018, 102, 1-5.	1.1	3
15	Suppression of frontal eye field neuronal responses with maintained fixation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 804-809.	3.3	19
16	Activity in LIP, But not V4, Matches Performance When Attention is Spread. Cerebral Cortex, 2018, 28, 4195-4209.	1.6	7
17	How predictive remapping in LIP (but not FEF) might explain the illusion of perceptual stability. Journal of Vision, 2018, 18, 1368.	0.1	0
18	Object comparison in the lateral intraparietal area. Journal of Neurophysiology, 2017, 118, 2458-2469.	0.9	5

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19	Visualâ€“perceptual mismatch in robotic surgery. Surgical Endoscopy and Other Interventional Techniques, 2017, 31, 3271-3278.	1.3	25
20	Parietal Lobe. , 2017, , 1-5.		2
21	Evaluating tactile feedback in robotic surgery for potential clinical application using an animal model. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 3198-3209.	1.3	71
22	Remapping, Spatial Stability, and Temporal Continuity: From the Pre-Saccadic to Postsaccadic Representation of Visual Space in LIP. Cerebral Cortex, 2016, 26, 3183-3195.	1.6	28
23	LIP activity in the interstimulus interval of a change detection task biases the behavioral response. Journal of Neurophysiology, 2015, 114, 2637-2648.	0.9	3
24	The what, where, and why of priority maps and their interactions with visual working memory. Annals of the New York Academy of Sciences, 2015, 1339, 154-164.	1.8	141
25	Extrafoveal preview benefit during free-viewing visual search in the monkey. Journal of Vision, 2014, 14, 6-6.	0.1	6
26	The role of tactile feedback in grip force during laparoscopic training tasks. Surgical Endoscopy and Other Interventional Techniques, 2013, 27, 1111-1118.	1.3	33
27	Evidence for differential top-down and bottom-up suppression in posterior parietal cortex. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130069.	1.8	9
28	Anticipatory Remapping of Attentional Priority across the Entire Visual Field. Journal of Neuroscience, 2012, 32, 16449-16457.	1.7	65
29	Dissociating activity in the lateral intraparietal area from value using a visual foraging task. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10083-10088.	3.3	24
30	Inhibition of return in a visual foraging task in non-human subjects. Vision Research, 2012, 74, 2-9.	0.7	15
31	Attention and the Parietal Lobe. , 2012, , 167-186.		0
32	The role of the lateral intraparietal area in orienting attention and its implications for visual search. European Journal of Neuroscience, 2011, 33, 1982-1990.	1.2	45
33	The neural basis of visual attention. Journal of Physiology, 2011, 589, 49-57.	1.3	169
34	A Lack of Anticipatory Remapping of Retinotopic Receptive Fields in the Middle Temporal Area. Journal of Neuroscience, 2011, 31, 10432-10436.	1.7	25
35	A Pure Salience Response in Posterior Parietal Cortex. Cerebral Cortex, 2011, 21, 2498-2506.	1.6	82
36	Tactile Feedback in Surgical Robotics. , 2011, , 449-468.		8

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37	Applications of tactile feedback in medicine. Studies in Health Technology and Informatics, 2011, 163, 703-9.	0.2	2
38	Torso-based tactile feedback system for patients with balance disorders. , 2010, , .		12
39	Remote tactile sensing glove-based system. , 2010, 2010, 1550-4.		11
40	Microstimulation of Posterior Parietal Cortex Biases the Selection of Eye Movement Goals During Search. Journal of Neurophysiology, 2010, 104, 3021-3028.	0.9	29
41	Attention, Intention, and Priority in the Parietal Lobe. Annual Review of Neuroscience, 2010, 33, 1-21.	5.0	850
42	Been There, Seen That: A Neural Mechanism for Performing Efficient Visual Search. Journal of Neurophysiology, 2009, 102, 3481-3491.	0.9	73
43	Psychophysical Evidence for Spatiotopic Processing in Area MT in a Short-Term Memory for Motion Task. Journal of Neurophysiology, 2009, 102, 2435-2440.	0.9	41
44	A Multielement Tactile Feedback System for Robot-Assisted Minimally Invasive Surgery. IEEE Transactions on Haptics, 2009, 2, 52-56.	1.8	71
45	Tactile Feedback Induces Reduced Grasping Force in Robot-Assisted Surgery. IEEE Transactions on Haptics, 2009, 2, 103-110.	1.8	181
46	Neurons in the lateral intraparietal area create a priority map by the combination of disparate signals. Experimental Brain Research, 2009, 192, 479-488.	0.7	99
47	An integrated pneumatic tactile feedback actuator array for robotic surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2009, 5, 13-19.	1.2	18
48	Optimization of a Pneumatic Balloon Tactile Display for Robot-Assisted Surgery Based on Human Perception. IEEE Transactions on Biomedical Engineering, 2008, 55, 2593-2600.	2.5	69
49	A Haptic Feedback System for Lower-Limb Prostheses. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2008, 16, 270-277.	2.7	106
50	One-Dimensional Dynamics of Attention and Decision Making in LIP. Neuron, 2008, 58, 15-25.	3.8	126
51	A tactile feedback system for robotic surgery. , 2008, 2008, 1930-4.		22
52	Pneumatic balloon actuators for tactile feedback in robotic surgery. Industrial Robot, 2008, 35, 449-455.	1.2	56
53	Fabrication and Characterization of a Balloon Actuator Array for Haptic Feedback in Robotic Surgery. Journal of Medical Devices, Transactions of the ASME, 2008, 2, .	0.4	41
54	Neural Enhancement and Pre-Emptive Perception: The Genesis of Attention and the Attentional Maintenance of the Cortical Salience Map. Perception, 2008, 37, 389-400.	0.5	18

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55	Rhesus monkeys mislocalize saccade targets flashed for 100ms around the time of a saccade. Vision Research, 2007, 47, 1924-1934.	0.7	23
56	A pneumatic haptic feedback actuator array for robotic surgery or simulation. Studies in Health Technology and Informatics, 2007, 125, 217-22.	0.2	13
57	Neural Correlates of Attention and Distractibility in the Lateral Intraparietal Area. Journal of Neurophysiology, 2006, 95, 1696-1717.	0.9	100
58	LIP responses to a popout stimulus are reduced if it is overtly ignored. Nature Neuroscience, 2006, 9, 1071-1076.	7.1	129
59	Reaction times of manual responses to a visual stimulus at the goal of a planned memory-guided saccade in the monkey. Experimental Brain Research, 2006, 173, 102-114.	0.7	10
60	Chapter 10 Saccades, salience and attention: the role of the lateral intraparietal area in visual behavior. Progress in Brain Research, 2006, 155, 157-175.	0.9	176
61	Activity in the Lateral Intraparietal Area Predicts the Goal and Latency of Saccades in a Free-Viewing Visual Search Task. Journal of Neuroscience, 2006, 26, 3656-3661.	1.7	156
62	A Rapid and Precise On-Response in Posterior Parietal Cortex. Journal of Neuroscience, 2004, 24, 1833-1838.	1.7	127
63	Activity of Neurons in Cortical Area MT During a Memory for Motion Task. Journal of Neurophysiology, 2004, 91, 286-300.	0.9	117
64	Neuronal Activity in the Lateral Intraparietal Area and Spatial Attention. Science, 2003, 299, 81-86.	6.0	756
65	Motion Information Is Spatially Localized in a Visual Working-Memory Task. Journal of Neurophysiology, 2001, 86, 912-921.	0.9	42
66	Microstimulation of Cortical Area MT Affects Performance on a Visual Working Memory Task. Journal of Neurophysiology, 2001, 85, 187-196.	0.9	66
67	Slowly Adapting Type I Afferents From the Sides and End of the Finger Respond to Stimuli on the Center of the Fingerpad. Journal of Neurophysiology, 2000, 84, 57-64.	0.9	39