

James W Bisley

List of Publications by Year in descending order

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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	Attention, Intention, and Priority in the Parietal Lobe. <i>Annual Review of Neuroscience</i> , 2010, 33, 1-21.	5.0	850
2	Neuronal Activity in the Lateral Intraparietal Area and Spatial Attention. <i>Science</i> , 2003, 299, 81-86.	6.0	756
3	Tactile Feedback Induces Reduced Grasping Force in Robot-Assisted Surgery. <i>IEEE Transactions on Haptics</i> , 2009, 2, 103-110.	1.8	181
4	Chapter 10 Saccades, salience and attention: the role of the lateral intraparietal area in visual behavior. <i>Progress in Brain Research</i> , 2006, 155, 157-175.	0.9	176
5	The neural basis of visual attention. <i>Journal of Physiology</i> , 2011, 589, 49-57.	1.3	169
6	Activity in the Lateral Intraparietal Area Predicts the Goal and Latency of Saccades in a Free-Viewing Visual Search Task. <i>Journal of Neuroscience</i> , 2006, 26, 3656-3661.	1.7	156
7	The what, where, and why of priority maps and their interactions with visual working memory. <i>Annals of the New York Academy of Sciences</i> , 2015, 1339, 154-164.	1.8	141
8	LIP responses to a popout stimulus are reduced if it is overtly ignored. <i>Nature Neuroscience</i> , 2006, 9, 1071-1076.	7.1	129
9	A Rapid and Precise On-Response in Posterior Parietal Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 1833-1838.	1.7	127
10	One-Dimensional Dynamics of Attention and Decision Making in LIP. <i>Neuron</i> , 2008, 58, 15-25.	3.8	126
11	Activity of Neurons in Cortical Area MT During a Memory for Motion Task. <i>Journal of Neurophysiology</i> , 2004, 91, 286-300.	0.9	117
12	A Haptic Feedback System for Lower-Limb Prostheses. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008, 16, 270-277.	2.7	106
13	Neural Correlates of Attention and Distractibility in the Lateral Intraparietal Area. <i>Journal of Neurophysiology</i> , 2006, 95, 1696-1717.	0.9	100
14	Neurons in the lateral intraparietal area create a priority map by the combination of disparate signals. <i>Experimental Brain Research</i> , 2009, 192, 479-488.	0.7	99
15	The neural instantiation of a priority map. <i>Current Opinion in Psychology</i> , 2019, 29, 108-112.	2.5	92
16	A Pure Salience Response in Posterior Parietal Cortex. <i>Cerebral Cortex</i> , 2011, 21, 2498-2506.	1.6	82
17	Been There, Seen That: A Neural Mechanism for Performing Efficient Visual Search. <i>Journal of Neurophysiology</i> , 2009, 102, 3481-3491.	0.9	73
18	A Multielement Tactile Feedback System for Robot-Assisted Minimally Invasive Surgery. <i>IEEE Transactions on Haptics</i> , 2009, 2, 52-56.	1.8	71

#	ARTICLE	IF	CITATIONS
19	Evaluating tactile feedback in robotic surgery for potential clinical application using an animal model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 3198-3209.	1.3	71
20	Optimization of a Pneumatic Balloon Tactile Display for Robot-Assisted Surgery Based on Human Perception. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2593-2600.	2.5	69
21	Multi-Modal Haptic Feedback for Grip Force Reduction in Robotic Surgery. <i>Scientific Reports</i> , 2019, 9, 5016.	1.6	69
22	Microstimulation of Cortical Area MT Affects Performance on a Visual Working Memory Task. <i>Journal of Neurophysiology</i> , 2001, 85, 187-196.	0.9	66
23	Anticipatory Remapping of Attentional Priority across the Entire Visual Field. <i>Journal of Neuroscience</i> , 2012, 32, 16449-16457.	1.7	65
24	Pneumatic balloon actuators for tactile feedback in robotic surgery. <i>Industrial Robot</i> , 2008, 35, 449-455.	1.2	56
25	The role of the lateral intraparietal area in orienting attention and its implications for visual search. <i>European Journal of Neuroscience</i> , 2011, 33, 1982-1990.	1.2	45
26	Motion Information Is Spatially Localized in a Visual Working-Memory Task. <i>Journal of Neurophysiology</i> , 2001, 86, 912-921.	0.9	42
27	Fabrication and Characterization of a Balloon Actuator Array for Haptic Feedback in Robotic Surgery. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2008, 2, .	0.4	41
28	Psychophysical Evidence for Spatiotopic Processing in Area MT in a Short-Term Memory for Motion Task. <i>Journal of Neurophysiology</i> , 2009, 102, 2435-2440.	0.9	41
29	Slowly Adapting Type I Afferents From the Sides and End of the Finger Respond to Stimuli on the Center of the Fingerpad. <i>Journal of Neurophysiology</i> , 2000, 84, 57-64.	0.9	39
30	Artificial palpation in robotic surgery using haptic feedback. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 1252-1259.	1.3	35
31	The role of tactile feedback in grip force during laparoscopic training tasks. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 1111-1118.	1.3	33
32	Microstimulation of Posterior Parietal Cortex Biases the Selection of Eye Movement Goals During Search. <i>Journal of Neurophysiology</i> , 2010, 104, 3021-3028.	0.9	29
33	Remapping, Spatial Stability, and Temporal Continuity: From the Pre-Saccadic to Postsaccadic Representation of Visual Space in LIP. <i>Cerebral Cortex</i> , 2016, 26, 3183-3195.	1.6	28
34	A Lack of Anticipatory Remapping of Retinotopic Receptive Fields in the Middle Temporal Area. <i>Journal of Neuroscience</i> , 2011, 31, 10432-10436.	1.7	25
35	Visual "perceptual mismatch in robotic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 3271-3278.	1.3	25
36	Dissociating activity in the lateral intraparietal area from value using a visual foraging task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10083-10088.	3.3	24

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37	Rhesus monkeys mislocalize saccade targets flashed for 100ms around the time of a saccade. <i>Vision Research</i> , 2007, 47, 1924-1934.	0.7	23
38	A tactile feedback system for robotic surgery. , 2008, 2008, 1930-4.		22
39	Suppression of frontal eye field neuronal responses with maintained fixation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 804-809.	3.3	19
40	Neurons in FEF Keep Track of Items That Have Been Previously Fixated in Free Viewing Visual Search. <i>Journal of Neuroscience</i> , 2019, 39, 2114-2124.	1.7	19
41	Neural Enhancement and Pre-Emptive Perception: The Genesis of Attention and the Attentional Maintenance of the Cortical Saliency Map. <i>Perception</i> , 2008, 37, 389-400.	0.5	18
42	An integrated pneumatic tactile feedback actuator array for robotic surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2009, 5, 13-19.	1.2	18
43	Inhibition of return in a visual foraging task in non-human subjects. <i>Vision Research</i> , 2012, 74, 2-9.	0.7	15
44	A pneumatic haptic feedback actuator array for robotic surgery or simulation. <i>Studies in Health Technology and Informatics</i> , 2007, 125, 217-22.	0.2	13
45	Torso-based tactile feedback system for patients with balance disorders. , 2010, , .		12
46	Remote tactile sensing glove-based system. , 2010, 2010, 1550-4.		11
47	Reaction times of manual responses to a visual stimulus at the goal of a planned memory-guided saccade in the monkey. <i>Experimental Brain Research</i> , 2006, 173, 102-114.	0.7	10
48	Evidence for differential top-down and bottom-up suppression in posterior parietal cortex. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130069.	1.8	9
49	Bio-Inspired Haptic Feedback for Artificial Palpation in Robotic Surgery. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3184-3193.	2.5	9
50	Tactile Feedback in Surgical Robotics. , 2011, , 449-468.		8
51	Activity in LIP, But not V4, Matches Performance When Attention is Spread. <i>Cerebral Cortex</i> , 2018, 28, 4195-4209.	1.6	7
52	Extrafoveal preview benefit during free-viewing visual search in the monkey. <i>Journal of Vision</i> , 2014, 14, 6-6.	0.1	6
53	Object comparison in the lateral intraparietal area. <i>Journal of Neurophysiology</i> , 2017, 118, 2458-2469.	0.9	5
54	The functional roles of neural remapping in cortex. <i>Journal of Vision</i> , 2020, 20, 6.	0.1	4

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55	The roles of the lateral intraparietal area and frontal eye field in guiding eye movements in free viewing search behavior. <i>Journal of Neurophysiology</i> , 2021, 125, 2144-2157.	0.9	4
56	LIP activity in the interstimulus interval of a change detection task biases the behavioral response. <i>Journal of Neurophysiology</i> , 2015, 114, 2637-2648.	0.9	3
57	The unconscious guidance of attention. <i>Cortex</i> , 2018, 102, 1-5.	1.1	3
58	Center for Advanced Surgical and Interventional Technology Multimodal Haptic Feedback for Robotic Surgery. , 2020, , 285-301.		3
59	A Simplified Model for Simulating Population Responses of Tactile Afferents and Receptors in the Skin. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 556-567.	2.5	2
60	Parietal Lobe. , 2017, , 1-5.		2
61	Applications of tactile feedback in medicine. <i>Studies in Health Technology and Informatics</i> , 2011, 163, 703-9.	0.2	2
62	Attention and the Parietal Lobe. , 2012, , 167-186.		0
63	How predictive remapping in LIP (but not FEF) might explain the illusion of perceptual stability. <i>Journal of Vision</i> , 2018, 18, 1368.	0.1	0
64	Eye Movement Planning and Control. , 2020, , 465-471.		0
65	Performance on a visual search task using random dot motion stimuli. <i>Journal of Vision</i> , 2020, 20, 345.	0.1	0
66	Behavior in a visual search task with moving dot stimuli. <i>Journal of Neurophysiology</i> , 2022, 127, 1564-1573.	0.9	0
67	Parietal Lobe. , 2022, , 4977-4980.		0