

# John Douglas Crawford

## List of Publications by Year in descending order

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74  
papers

3,828  
citations

136950

32  
h-index

138484

58  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal transsaccadic integration explains distorted spatial perception. <i>Nature</i> , 2003, 422, 76-80.	27.8	397
2	The superior colliculus encodes gaze commands in retinal coordinates. <i>Nature Neuroscience</i> , 2001, 4, 627-632.	14.8	176
3	Integration of Target and Effector Information in Human Posterior Parietal Cortex for the Planning of Action. <i>Journal of Neurophysiology</i> , 2005, 93, 954-962.	1.8	173
4	Three-Dimensional Transformations for Goal-Directed Action. <i>Annual Review of Neuroscience</i> , 2011, 34, 309-331.	10.7	152
5	Specialization of reach function in human posterior parietal cortex. <i>Experimental Brain Research</i> , 2012, 221, 1-18.	1.5	151
6	Rotation of Listing's plane during vergence. <i>Vision Research</i> , 1992, 32, 2055-2064.	1.4	138
7	Specificity of Human Parietal Saccade and Reach Regions during Transcranial Magnetic Stimulation. <i>Journal of Neuroscience</i> , 2010, 30, 13053-13065.	3.6	130
8	Optic ataxia errors depend on remapped, not viewed, target location. <i>Nature Neuroscience</i> , 2005, 8, 418-420.	14.8	109
9	Ocular dominance reverses as a function of horizontal gaze angle. <i>Vision Research</i> , 2001, 41, 1743-1748.	1.4	99
10	Midbrain Control of Three-Dimensional Head Orientation. <i>Science</i> , 2002, 295, 1314-1316.	12.6	90
11	The motor side of depth vision. <i>Nature</i> , 2001, 410, 819-822.	27.8	89
12	Neural control of three-dimensional eye and head movements. <i>Current Opinion in Neurobiology</i> , 2003, 13, 655-662.	4.2	77
13	Frames of Reference for Eye-Head Gaze Commands in Primate Supplementary Eye Fields. <i>Neuron</i> , 2004, 44, 1057-1066.	8.1	75
14	Cue Reliability and a Landmark Stability Heuristic Determine Relative Weighting Between Egocentric and Allocentric Visual Information in Memory-Guided Reach. <i>Journal of Neurophysiology</i> , 2010, 103, 3054-3069.	1.8	75
15	Cervical dystonia: a neural integrator disorder. <i>Brain</i> , 2016, 139, 2590-2599.	7.6	75
16	Role of Eye, Head, and Shoulder Geometry in the Planning of Accurate Arm Movements. <i>Journal of Neurophysiology</i> , 2002, 87, 1677-1685.	1.8	72
17	Three-Dimensional Eye-Head Coordination Is Implemented Downstream From the Superior Colliculus. <i>Journal of Neurophysiology</i> , 2003, 89, 2839-2853.	1.8	68
18	Transcranial Magnetic Stimulation over Posterior Parietal Cortex Disrupts Transsaccadic Memory of Multiple Objects. <i>Journal of Neuroscience</i> , 2008, 28, 6938-6949.	3.6	65

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19	Visual memory capacity in transsaccadic integration. <i>Experimental Brain Research</i> , 2007, 180, 609-628.	1.5	63
20	Direction-dependent distortions of retinocentric space in the visuomotor transformation for pointing. <i>Experimental Brain Research</i> , 2000, 132, 179-194.	1.5	59
21	Transsaccadic integration of visual features in a line intersection task. <i>Experimental Brain Research</i> , 2006, 169, 532-548.	1.5	57
22	Geometric computations underlying eye-hand coordination: orientations of the two eyes and the head. <i>Experimental Brain Research</i> , 2003, 152, 70-78.	1.5	56
23	Continuous Updating of Visuospatial Memory in Superior Colliculus during Slow Eye Movements. <i>Current Biology</i> , 2015, 25, 267-274.	3.9	56
24	Electrical Stimulation of the Supplementary Eye Fields in the Head-Free Macaque Evokes Kinematically Normal Gaze Shifts. <i>Journal of Neurophysiology</i> , 2003, 89, 2961-2974.	1.8	51
25	Distributed Population Mechanism for the 3-D Oculomotor Reference Frame Transformation. <i>Journal of Neurophysiology</i> , 2005, 93, 1742-1761.	1.8	50
26	Neural Activity in Superior Parietal Cortex during Rule-based Visual-motor Transformations. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 436-454.	2.3	49
27	Modularity and parallel processing in the oculomotor integrator. <i>Experimental Brain Research</i> , 1993, 96, 443-56.	1.5	48
28	Time course of allocentric decay, egocentric decay, and allocentric-to-egocentric conversion in memory-guided reach. <i>Neuropsychologia</i> , 2011, 49, 49-60.	1.6	48
29	Three-Dimensional Eye-Head Coordination After Injection of Muscimol Into the Interstitial Nucleus of Cajal (INC). <i>Journal of Neurophysiology</i> , 2007, 97, 2322-2338.	1.8	45
30	Visual-Motor Transformations Within Frontal Eye Fields During Head-Unrestrained Gaze Shifts in the Monkey. <i>Cerebral Cortex</i> , 2015, 25, 3932-3952.	2.9	45
31	Proprioceptive Guidance of Saccades in Eye-Hand Coordination. <i>Journal of Neurophysiology</i> , 2006, 96, 1464-1477.	1.8	44
32	Transition from Target to Gaze Coding in Primate Frontal Eye Field during Memory Delay and Memory-Motor Transformation. <i>ENeuro</i> , 2016, 3, ENEURO.0040-16.2016.	1.9	44
33	Transcranial Magnetic Stimulation Over Human Dorsal-Lateral Posterior Parietal Cortex Disrupts Integration of Hand Position Signals Into the Reach Plan. <i>Journal of Neurophysiology</i> , 2008, 100, 2005-2014.	1.8	42
34	Spatial transformations between superior colliculus visual and motor response fields during head-unrestrained gaze shifts. <i>European Journal of Neuroscience</i> , 2015, 42, 2934-2951.	2.6	40
35	Kinematic Rules for Upper and Lower Arm Contributions to Grasp Orientation. <i>Journal of Neurophysiology</i> , 2003, 90, 3816-3827.	1.8	39
36	Hemispheric Asymmetry in Memory-Guided Pointing During Single-Pulse Transcranial Magnetic Stimulation of Human Parietal Cortex. <i>Journal of Neurophysiology</i> , 2006, 96, 3016-3027.	1.8	34

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37	Interactions between gaze-centered and allocentric representations of reach target location in the presence of spatial updating. <i>Vision Research</i> , 2010, 50, 2661-2670.	1.4	34
38	Intrinsic Reference Frames of Superior Colliculus Visuomotor Receptive Fields during Head-Unrestrained Gaze Shifts. <i>Journal of Neuroscience</i> , 2011, 31, 18313-18326.	3.6	34
39	Interstitial Nucleus of Cajal Encodes Three-Dimensional Head Orientations in Fick-Like Coordinates. <i>Journal of Neurophysiology</i> , 2007, 97, 604-617.	1.8	32
40	Contribution of Head Movement to Gaze Command Coding in Monkey Frontal Cortex and Superior Colliculus. <i>Journal of Neurophysiology</i> , 2003, 90, 2770-2776.	1.8	31
41	Electrical Stimulation of the Frontal Eye Fields in the Head-Free Macaque Evokes Kinematically Normal 3D Gaze Shifts. <i>Journal of Neurophysiology</i> , 2010, 104, 3462-3475.	1.8	30
42	Trans-saccadic interactions in human parietal and occipital cortex during the retention and comparison of object orientation. <i>Cortex</i> , 2016, 82, 263-276.	2.4	29
43	The conjugacy of human saccadic eye movements. <i>Vision Research</i> , 1992, 32, 1677-1684.	1.4	27
44	Static Ocular Counterroll Is Implemented Through the 3-D Neural Integrator. <i>Journal of Neurophysiology</i> , 2003, 90, 2777-2784.	1.8	27
45	Visuomotor transformations for eye-hand coordination. <i>Progress in Brain Research</i> , 2002, 140, 329-340.	1.4	26
46	Fields of Gain in the Brain. <i>Neuron</i> , 2009, 64, 598-600.	8.1	26
47	Optimal inference explains dimension-specific contractions of spatial perception. <i>Experimental Brain Research</i> , 2007, 179, 313-323.	1.5	25
48	Influence of Saccade Efference Copy on the Spatiotemporal Properties of Remapping: A Neural Network Study. <i>Journal of Neurophysiology</i> , 2010, 103, 117-139.	1.8	25
49	Coordinating one hand with two eyes: optimizing for field of view in a pointing task. <i>Vision Research</i> , 2003, 43, 409-417.	1.4	23
50	A method for mapping response fields and determining intrinsic reference frames of single-unit activity: Applied to 3D head-unrestrained gaze shifts. <i>Journal of Neuroscience Methods</i> , 2009, 180, 171-184.	2.5	23
51	Role of Superior Colliculus in Adaptive Eye-Head Coordination During Gaze Shifts. <i>Journal of Neurophysiology</i> , 2004, 92, 2168-2184.	1.8	22
52	Hand placement near the visual stimulus improves orientation selectivity in V2 neurons. <i>Journal of Neurophysiology</i> , 2015, 113, 2859-2870.	1.8	22
53	Different Cortical Mechanisms for Spatial vs. Feature-Based Attentional Selection in Visual Working Memory. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 415.	2.0	22
54	Action relevance induces an attentional weighting of representations in visual working memory. <i>Memory and Cognition</i> , 2017, 45, 413-427.	1.6	22

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55	Frames of Reference for Gaze Saccades Evoked During Stimulation of Lateral Intraparietal Cortex. <i>Journal of Neurophysiology</i> , 2007, 98, 696-709.	1.8	21
56	Saccade-related remapping of target representations between topographic maps: a neural network study. <i>Journal of Computational Neuroscience</i> , 2008, 24, 157-178.	1.0	21
57	Decoupling the actions of the eyes from the hand alters beta and gamma synchrony within SPL. <i>Journal of Neurophysiology</i> , 2014, 111, 2210-2221.	1.8	21
58	Neural Control of Three-Dimensional Eye and Head Posture. <i>Annals of the New York Academy of Sciences</i> , 2003, 1004, 122-131.	3.8	19
59	Self-organizing task modules and explicit coordinate systems in a neural network model for 3-D saccades. <i>Journal of Computational Neuroscience</i> , 2001, 10, 127-150.	1.0	18
60	Task-Specific Sensorimotor Adaptation to Reversing Prisms. <i>Journal of Neurophysiology</i> , 2005, 93, 1104-1110.	1.8	18
61	Neck Muscle Synergies During Stimulation and Inactivation of the Interstitial Nucleus of Cajal (INC). <i>Journal of Neurophysiology</i> , 2008, 100, 1677-1685.	1.8	18
62	Frames of reference for eye-head gaze shifts evoked during frontal eye field stimulation. <i>European Journal of Neuroscience</i> , 2013, 37, 1754-1765.	2.6	18
63	The Influence of a Memory Delay on Spatial Coding in the Superior Colliculus: Is Visual Always Visual and Motor Always Motor?. <i>Frontiers in Neural Circuits</i> , 2018, 12, 74.	2.8	18
64	The role of areas MT+/V5 and SPOC in spatial and temporal control of manual interception: an rTMS study. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 15.	2.0	17
65	Spatiotemporal transformations for gaze control. <i>Physiological Reports</i> , 2020, 8, e14533.	1.7	17
66	Neural control of 3-D gaze shifts in the primate. <i>Progress in Brain Research</i> , 2003, 142, 109-124.	1.4	14
67	Integration of Eye-Centered and Landmark-Centered Codes in Frontal Eye Field Gaze Responses. <i>Cerebral Cortex</i> , 2020, 30, 4995-5013.	2.9	11
68	3-Dimensional eye-head coordination in gaze shifts evoked during stimulation of the lateral intraparietal cortex. <i>Neuroscience</i> , 2009, 164, 1284-1302.	2.3	9
69	Eye-head-hand coordination during visually guided reaches in head-unrestrained macaques. <i>Journal of Neurophysiology</i> , 2019, 122, 1946-1961.	1.8	8
70	Timing Determines Tuning: A Rapid Spatial Transformation in Superior Colliculus Neurons during Reactive Gaze Shifts. <i>ENeuro</i> , 2020, 7, ENEURO.0359-18.2019.	1.9	8
71	Spatiotemporal Coding in the Macaque Supplementary Eye Fields: Landmark Influence in the Target-to-Gaze Transformation. <i>ENeuro</i> , 2021, 8, ENEURO.0446-20.2020.	1.9	3
72	Saccades and presaccadic stimulus repetition alter cortical network topology and dynamics: evidence from EEG and graph theoretical analysis. <i>Cerebral Cortex</i> , 2023, 33, 2075-2100.	2.9	3

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73	Saccades vs. Novelty: the joint influence of saccades and repetition on perceived stimulus duration.. Journal of Vision, 2019, 19, 208a.	0.3	0
74	Cortical network hubs for perisaccadic visual processing: evidence from high resolution EEG and graph theory analysis. Journal of Vision, 2020, 20, 548.	0.3	0