

John T Serences

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

7,069
citations

43
h-index

83
g-index

151
ext. papers

8,526
ext. citations

4.6
avg, IF

6.49
L-index

#	Paper	IF	Citations
119	Probabilistic visual processing in humans and recurrent neural networks.. <i>Journal of Vision</i> , 2022 , 22, 24	0.4	
118	Steady-State Visually Evoked Potentials and Feature-based Attention: Preregistered Null Results and a Focused Review of Methodological Considerations. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 695-724	3.1	2
117	Individual Alpha Frequency Determines the Impact of Bottom-Up Drive on Visual Processing. <i>Cerebral Cortex Communications</i> , 2021 , 2, tgab032	1.9	0
116	Classic Visual Search Effects in an Additional Singleton Task: An Open Dataset. <i>Journal of Cognition</i> , 2021 , 4, 34	3.2	3
115	History Modulates Early Sensory Processing of Salient Distractors. <i>Journal of Neuroscience</i> , 2021 , 41, 8007-8022	6.6	5
114	A gradual transition from veridical to categorical representations along the visual hierarchy for memory but not perception.. <i>Journal of Vision</i> , 2021 , 21, 2546	0.4	
113	Deep-net-derived surface estimations from natural scenes predict voxel responses in scene-selective cortex. <i>Journal of Vision</i> , 2021 , 21, 2805	0.4	
112	Adaptive read-out: the role of sensory adaptation in serial dependence. <i>Journal of Vision</i> , 2020 , 20, 1628	0.4	
111	Dissociable neural mechanisms underlie effects of attention on visual appearance and response bias. <i>Journal of Vision</i> , 2020 , 20, 630	0.4	
110	Evidence for suppression of irrelevant distractors in early visual cortex. <i>Journal of Vision</i> , 2020 , 20, 199	0.4	
109	Anisotropic representation of orientation by convolutional neural networks. <i>Journal of Vision</i> , 2020 , 20, 224	0.4	
108	Top-down and stimulus-driven influences jointly determine precision of spatial attention. <i>Journal of Vision</i> , 2020 , 20, 978	0.4	
107	Categorical Biases in Human Occipitoparietal Cortex. <i>Journal of Neuroscience</i> , 2020 , 40, 917-931	6.6	18
106	Preserved capacity for learning statistical regularities and directing selective attention after hippocampal lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19705-19710	11.5	6
105	Functional MRI and EEG Index Complementary Attentional Modulations. <i>Journal of Neuroscience</i> , 2019 , 39, 6162-6179	6.6	21
104	Alpha-band oscillations track the retrieval of precise spatial representations from long-term memory. <i>Journal of Neurophysiology</i> , 2019 , 122, 539-551	3.2	14
103	When Conflict Cannot be Avoided: Relative Contributions of Early Selection and Frontal Executive Control in Mitigating Stroop Conflict. <i>Cerebral Cortex</i> , 2019 , 29, 5037-5048	5.1	6

102	Dissociating the impact of attention and expectation on early sensory processing. <i>Current Opinion in Psychology</i> , 2019 , 29, 181-186	6.2	12
101	Human frontoparietal cortex represents behaviorally relevant target status based on abstract object features. <i>Journal of Neurophysiology</i> , 2019 , 121, 1410-1427	3.2	6
100	Value-driven attentional capture enhances distractor representations in early visual cortex. <i>PLoS Biology</i> , 2019 , 17, e3000186	9.7	16
99	Working Memory: Flexible but Finite. <i>Neuron</i> , 2019 , 103, 184-185	13.9	0
98	Coexisting representations of sensory and mnemonic information in human visual cortex. <i>Nature Neuroscience</i> , 2019 , 22, 1336-1344	25.5	71
97	The Importance of Considering Model Choices When Interpreting Results in Computational Neuroimaging. <i>ENeuro</i> , 2019 , 6,	3.9	5
96	Multivariate Analysis of BOLD Activation Patterns Recovers Graded Depth Representations in Human Visual and Parietal Cortex. <i>ENeuro</i> , 2019 , 6,	3.9	2
95	Directing retrospective attention in visual working memory in a graded manner. <i>Journal of Vision</i> , 2019 , 19, 312a	0.4	
94	Rapid onset of category-selective biases in human cortex.. <i>Journal of Vision</i> , 2019 , 19, 249b	0.4	
93	Complementary visual and motor-based strategies for encoding information in working memory. <i>Journal of Vision</i> , 2019 , 19, 91	0.4	
92	Stimulus visibility and uncertainty mediate the influence of attention on response bias and visual contrast appearance. <i>Journal of Vision</i> , 2019 , 19, 8	0.4	3
91	Separating memoranda in depth increases visual working memory performance. <i>Journal of Vision</i> , 2019 , 19, 4	0.4	7
90	Building on a Solid Baseline: Anticipatory Biases in Attention. <i>Trends in Neurosciences</i> , 2018 , 41, 120-122	13.3	1
89	Dissociable signatures of visual salience and behavioral relevance across attentional priority maps in human cortex. <i>Journal of Neurophysiology</i> , 2018 , 119, 2153-2165	3.2	27
88	Having More Choices Changes How Human Observers Weight Stable Sensory Evidence. <i>Journal of Neuroscience</i> , 2018 , 38, 8635-8649	6.6	6
87	The effects of attentional scope on voxel receptive fields and population codes for space. <i>Journal of Vision</i> , 2018 , 18, 1191	0.4	
86	Simultaneous representation of mnemonic and sensory information in human visual cortex. <i>Journal of Vision</i> , 2018 , 18, 369	0.4	
85	Expectations about low-level visual features influence late stages of cortical information processing. <i>Journal of Vision</i> , 2018 , 18, 1051	0.4	0

84	A hierarchical Bayesian model for inferring neural tuning functions from voxel tuning functions. <i>Journal of Vision</i> , 2018 , 18, 536	0.4	
83	Similar items repel each other in visual working memory. <i>Journal of Vision</i> , 2018 , 18, 679	0.4	
82	Expectations Do Not Alter Early Sensory Processing during Perceptual Decision-Making. <i>Journal of Neuroscience</i> , 2018 , 38, 5632-5648	6.6	43
81	Spatial Tuning Shifts Increase the Discriminability and Fidelity of Population Codes in Visual Cortex. <i>Journal of Neuroscience</i> , 2017 , 37, 3386-3401	6.6	29
80	Acute Exercise Modulates Feature-selective Responses in Human Cortex. <i>Journal of Cognitive Neuroscience</i> , 2017 , 29, 605-618	3.1	25
79	Pinging the brain to reveal hidden memories. <i>Nature Neuroscience</i> , 2017 , 20, 767-769	25.5	6
78	Alpha-Band Oscillations Enable Spatially and Temporally Resolved Tracking of Covert Spatial Attention. <i>Psychological Science</i> , 2017 , 28, 929-941	7.9	102
77	Feature-coding transitions to conjunction-coding with progression through human visual cortex. <i>Journal of Neurophysiology</i> , 2017 , 118, 3194-3214	3.2	10
76	Fluctuations in instantaneous frequency predict alpha amplitude during visual perception. <i>Nature Communications</i> , 2017 , 8, 2071	17.4	21
75	Two different mechanisms support selective attention at different phases of training. <i>PLoS Biology</i> , 2017 , 15, e2001724	9.7	20
74	Remembering stimuli in different depth planes increases visual working memory precision and reduces swap errors.. <i>Journal of Vision</i> , 2017 , 17, 848	0.4	
73	Dissociable effects of stimulus strength, task demands, and training on occipital and parietal EEG signals during perceptual decision-making. <i>Journal of Vision</i> , 2017 , 17, 37	0.4	
72	Neural Mechanisms of Categorical Perception in Human Visual Cortex. <i>Journal of Vision</i> , 2017 , 17, 30	0.4	
71	Neural representations of spatial position recalled from long-term and short-term memory diverge across the cortical hierarchy. <i>Journal of Vision</i> , 2017 , 17, 1115	0.4	
70	Dissociable biases in orientation recall: The oblique effect follows retinal coordinates, while repulsion from cardinal follows real-world coordinates.. <i>Journal of Vision</i> , 2017 , 17, 107	0.4	
69	Alpha entrainment of posterior visual cortex impacts visual detection. <i>Journal of Vision</i> , 2017 , 17, 976	0.4	
68	Occipital and parietal cortex encode representations of match between a viewed and sought object during visual target search. <i>Journal of Vision</i> , 2017 , 17, 1136	0.4	
67	Integrating Levels of Analysis in Systems and Cognitive Neurosciences: Selective Attention as a Case Study. <i>Neuroscientist</i> , 2016 , 22, 225-37	7.6	7

66	The topography of alpha-band activity tracks the content of spatial working memory. <i>Journal of Neurophysiology</i> , 2016 , 115, 168-77	3.2	110
65	Neural mechanisms of information storage in visual short-term memory. <i>Vision Research</i> , 2016 , 128, 53-67.1	6.7	90
64	Restoring Latent Visual Working Memory Representations in Human Cortex. <i>Neuron</i> , 2016 , 91, 694-707	13.9	131
63	Feature-Selective Attentional Modulations in Human Frontoparietal Cortex. <i>Journal of Neuroscience</i> , 2016 , 36, 8188-99	6.6	48
62	Parietal and Frontal Cortex Encode Stimulus-Specific Mnemonic Representations during Visual Working Memory. <i>Neuron</i> , 2015 , 87, 893-905	13.9	211
61	Visual attention mitigates information loss in small- and large-scale neural codes. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 215-26	14	58
60	Substitution and pooling in visual crowding induced by similar and dissimilar distractors. <i>Journal of Vision</i> , 2015 , 15, 15.1.4	0.4	57
59	Value-based attentional capture influences context-dependent decision-making. <i>Journal of Neurophysiology</i> , 2015 , 114, 560-9	3.2	45
58	Sensory gain outperforms efficient readout mechanisms in predicting attention-related improvements in behavior. <i>Journal of Neuroscience</i> , 2014 , 34, 13384-98	6.6	33
57	Reconstructions of information in visual spatial working memory degrade with memory load. <i>Current Biology</i> , 2014 , 24, 2174-2180	6.3	119
56	Induced β rhythms track the content and quality of visual working memory representations with high temporal precision. <i>Journal of Neuroscience</i> , 2014 , 34, 7587-99	6.6	23
55	Enhanced attentional gain as a mechanism for generalized perceptual learning in human visual cortex. <i>Journal of Neurophysiology</i> , 2014 , 112, 1217-27	3.2	22
54	Attention improves transfer of motion information between V1 and MT. <i>Journal of Neuroscience</i> , 2014 , 34, 3586-96	6.6	33
53	Variability in visual working memory ability limits the efficiency of perceptual decision making. <i>Journal of Vision</i> , 2014 , 14,	0.4	13
52	Changing the spatial scope of attention alters patterns of neural gain in human cortex. <i>Journal of Neuroscience</i> , 2014 , 34, 112-23	6.6	34
51	Attention modulates spatial priority maps in the human occipital, parietal and frontal cortices. <i>Nature Neuroscience</i> , 2013 , 16, 1879-87	25.5	135
50	Near-real-time feature-selective modulations in human cortex. <i>Current Biology</i> , 2013 , 23, 515-22	6.3	84
49	A neural measure of precision in visual working memory. <i>Journal of Cognitive Neuroscience</i> , 2013 , 25, 754-61	3.1	121

48	Temporal dynamics of divided spatial attention. <i>Journal of Neurophysiology</i> , 2013 , 109, 2364-73	3.2	16
47	Individual differences in attention strategies during detection, fine discrimination, and coarse discrimination. <i>Journal of Neurophysiology</i> , 2013 , 110, 784-94	3.2	10
46	The positional-specificity effect reveals a passive-trace contribution to visual short-term memory. <i>PLoS ONE</i> , 2013 , 8, e83483	3.7	7
45	Computational advances towards linking BOLD and behavior. <i>Neuropsychologia</i> , 2012 , 50, 435-46	3.2	85
44	Exploring the relationship between perceptual learning and top-down attentional control. <i>Vision Research</i> , 2012 , 74, 30-9	2.1	37
43	The optimality of sensory processing during the speed-accuracy tradeoff. <i>Journal of Neuroscience</i> , 2012 , 32, 7992-8003	6.6	63
42	Optimal deployment of attentional gain during fine discriminations. <i>Journal of Neuroscience</i> , 2012 , 32, 7723-33	6.6	90
41	Perceptual consequences of feature-based attentional enhancement and suppression. <i>Journal of Vision</i> , 2012 , 12, 15	0.4	20
40	Reciprocal relations between cognitive neuroscience and formal cognitive models: opposites attract?. <i>Trends in Cognitive Sciences</i> , 2011 , 15, 272-9	14	107
39	Mechanisms of selective attention: response enhancement, noise reduction, and efficient pooling of sensory responses. <i>Neuron</i> , 2011 , 72, 685-7	13.9	9
38	Neural correlates of trial-to-trial fluctuations in response caution. <i>Journal of Neuroscience</i> , 2011 , 31, 17488-95	12.9	129
37	Spatial attention improves the quality of population codes in human visual cortex. <i>Journal of Neurophysiology</i> , 2010 , 104, 885-95	3.2	45
36	Basing perceptual decisions on the most informative sensory neurons. <i>Journal of Neurophysiology</i> , 2010 , 104, 2266-73	3.2	38
35	Control of spatial and feature-based attention in frontoparietal cortex. <i>Journal of Neuroscience</i> , 2010 , 30, 14330-9	6.6	131
34	Population response profiles in early visual cortex are biased in favor of more valuable stimuli. <i>Journal of Neurophysiology</i> , 2010 , 104, 76-87	3.2	77
33	Spatially global representations in human primary visual cortex during working memory maintenance. <i>Journal of Neuroscience</i> , 2009 , 29, 15258-65	6.6	140
32	Domain general mechanisms of perceptual decision making in human cortex. <i>Journal of Neuroscience</i> , 2009 , 29, 8675-87	6.6	163
31	Adaptive allocation of attentional gain. <i>Journal of Neuroscience</i> , 2009 , 29, 11933-42	6.6	63

30	Learning to filter out visual distractors. <i>European Journal of Neuroscience</i> , 2009 , 29, 1723-31	3.5	18
29	Online response-selection and the attentional blink: Multiple-processing channels. <i>Visual Cognition</i> , 2009 , 17, 531-554	1.8	4
28	Stimulus-specific delay activity in human primary visual cortex. <i>Psychological Science</i> , 2009 , 20, 207-14	7.9	516
27	Estimating the influence of attention on population codes in human visual cortex using voxel-based tuning functions. <i>NeuroImage</i> , 2009 , 44, 223-31	7.9	98
26	Area Spt in the human planum temporale supports sensory-motor integration for speech processing. <i>Journal of Neurophysiology</i> , 2009 , 101, 2725-32	3.2	172
25	Value-based modulations in human visual cortex. <i>Neuron</i> , 2008 , 60, 1169-81	13.9	261
24	The impact of temporal regularization on estimates of the BOLD hemodynamic response function: a comparative analysis. <i>NeuroImage</i> , 2008 , 40, 1606-18	7.9	30
23	Cortical mechanisms for shifting and holding visuospatial attention. <i>Cerebral Cortex</i> , 2008 , 18, 114-25	5.1	159
22	Sleep-dependent learning and practice-dependent deterioration in an orientation discrimination task. <i>Behavioral Neuroscience</i> , 2008 , 122, 267-72	2.1	18
21	Human adult cortical reorganization and consequent visual distortion. <i>Journal of Neuroscience</i> , 2007 , 27, 9585-94	6.6	80
20	Spatially selective representations of voluntary and stimulus-driven attentional priority in human occipital, parietal, and frontal cortex. <i>Cerebral Cortex</i> , 2007 , 17, 284-93	5.1	221
19	The representation of behavioral choice for motion in human visual cortex. <i>Journal of Neuroscience</i> , 2007 , 27, 12893-9	6.6	83
18	Feature-based attentional modulations in the absence of direct visual stimulation. <i>Neuron</i> , 2007 , 55, 301-12	13.9	300
17	Searching for an oddball: neural correlates of singleton detection mode in parietal cortex. <i>Journal of Neuroscience</i> , 2006 , 26, 12631-2	6.6	6
16	Selective visual attention and perceptual coherence. <i>Trends in Cognitive Sciences</i> , 2006 , 10, 38-45	14	374
15	Retinotopic mapping in the human visual cortex using vascular space occupancy-dependent functional magnetic resonance imaging. <i>NeuroReport</i> , 2005 , 16, 1635-40	1.7	13
14	Control of object-based attention in human cortex. <i>Cerebral Cortex</i> , 2004 , 14, 1346-57	5.1	211
13	Evidence against a central bottleneck during the attentional blink: multiple channels for configural and featural processing. <i>Cognitive Psychology</i> , 2004 , 48, 95-126	3.1	58

12	A comparison of methods for characterizing the event-related BOLD timeseries in rapid fMRI. <i>NeuroImage</i> , 2004 , 21, 1690-700	7.9	108
11	Preparatory activity in visual cortex indexes distractor suppression during covert spatial orienting. <i>Journal of Neurophysiology</i> , 2004 , 92, 3538-45	3.2	130
10	Cortical mechanisms of feature-based attentional control. <i>Cerebral Cortex</i> , 2003 , 13, 1334-43	5.1	215
9	Cortical mechanisms of space-based and object-based attentional control. <i>Current Opinion in Neurobiology</i> , 2003 , 13, 187-93	7.6	300
8	Top-down control over biased competition during covert spatial orienting. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2003 , 29, 52-63	2.6	33
7	Transient neural activity in human parietal cortex during spatial attention shifts. <i>Nature Neuroscience</i> , 2002 , 5, 995-1002	25.5	549
6	Biased orientation representations can be explained by experience with non-uniform training set statistics		1
5	Adaptive memory distortion in visual working memory		3
4	Categorical Biases in Human Occipitoparietal Cortex		1
3	History modulates early sensory processing of salient distractors		4
2	Inverted encoding models estimate sensible channel responses for sensible models		3
1	Dissociable signatures of visual salience and behavioral relevance across attentional priority maps in human cortex		2