Jozsef Fiser

List of Publications by Year in descending order

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67 papers	5,463 citations	218677 26 h-index	175258 52 g-index
72 all docs	72 docs citations	72 times ranked	4023 citing authors

#	Article	IF	Citations
1	Adaptive erasure of spurious sequences in sensory cortical circuits. Neuron, 2022, , .	8.1	3
2	Statistical Learning in Vision. Annual Review of Vision Science, 2022, 8, 265-290.	4.4	6
3	The effect of interference, offline sleep, and wake on spatial statistical learning. Neurobiology of Learning and Memory, 2022, 193, 107650.	1.9	2
4	Statistically defined visual chunks engage object-based attention. Nature Communications, 2021, 12, 272.	12.8	15
5	Representations of uncertainty: where art thou?. Current Opinion in Behavioral Sciences, 2021, 38, 150-162.	3.9	27
6	A probabilistic hammer for nailing complex neural data analyses. Neuron, 2021, 109, 1077-1079.	8.1	0
7	Pupil dynamics signals visuo-spatial statistical learning. Journal of Vision, 2021, 21, 2005.	0.3	0
8	Recovering Spatial Structure in Spatio-Temporal Visual Statistical Learning. Journal of Vision, 2021, 21, 2160.	0.3	1
9	Statistical learning decreases sensitivity to temporal asynchrony of events within as well as across modalities. Journal of Vision, 2021, 21, 2276.	0.3	1
10	Different mechanisms underlie implicit visual statistical learning in honey bees and humans. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25923-25934.	7.1	13
11	Statistical learning of concurrent auditory signals. Journal of Vision, 2020, 20, 444.	0.3	0
12	A common probabilistic framework for perceptual and statistical learning. Current Opinion in Neurobiology, 2019, 58, 218-228.	4.2	22
13	The relationship between initial threshold, learning, and generalization in perceptual learning. Journal of Vision, 2019, 19, 28.	0.3	16
14	Coding of low-level position and orientation information in human naturalistic vision. PLoS ONE, 2019, 14, e0212141.	2.5	2
15	Unimodal statistical learning produces multimodal object-like representations. ELife, 2019, 8, .	6.0	11
16	Reliability-based arbitration between noise and event-based component of observersâ€™ internal model during perceptual decision making. Journal of Vision, 2019, 19, 59c.	0.3	0
17	Increasingly complex internal visual representations in honeybees, human infants and adults. Journal of Vision, 2019, 19, 292c.	0.3	0
18	Development of Cross-Orientation Suppression and Size Tuning and the Role of Experience. Journal of Neuroscience, 2018, 38, 2656-2670.	3.6	10

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19	Does experience provide a permissive or instructive influence on the development of direction selectivity in visual cortex?. Neural Development, 2018, 13, 16.	2.4	9
20	Spontaneous Learning of Visual Structures in Domestic Chicks. Animals, 2018, 8, 135.	2.3	12
21	Task irrelevant statistical regularities modulate perceptual learning in orientation discrimination task. Journal of Vision, 2018, 18, 261.	0.3	0
22	Complex interactions across modalities in audio-visual cross-modal statistical learning. Journal of Vision, 2018, 18, 1132.	0.3	0
23	Neural Signatures of Spatial Statistical Learning: Characterizing the Extraction of Structure from Complex Visual Scenes. Journal of Cognitive Neuroscience, 2017, 29, 1963-1976.	2.3	13
24	Visual statistical learning provides scaffolding for emerging object representations. Journal of Vision, 2017, 17, 39.	0.3	0
25	Perceptual Decision-Making as Probabilistic Inference by Neural Sampling. Neuron, 2016, 90, 649-660.	8.1	174
26	Neural Variability and Sampling-Based Probabilistic Representations in the Visual Cortex. Neuron, 2016, 92, 530-543.	8.1	196
27	Optogenetic spatial and temporal control of cortical circuits on a columnar scale. Journal of Neurophysiology, 2016, 115, 1043-1062.	1.8	26
28	The relation between initial thresholds, learning, and generalization in three perceptual learning paradigms. Journal of Vision, 2016, 16, 1104.	0.3	0
29	Change-related weighting of statistical information in visual decision making. Journal of Vision, 2016, 16, 574.	0.3	0
30	Prior implicit knowledge shapes human threshold for orientation noise. Journal of Vision, 2015, 15, 24.	0.3	6
31	Enhanced visual statistical learning in adults with autism.. Neuropsychology, 2015, 29, 163-172.	1.3	39
32	Information integration in sequential visual decision-making. Journal of Vision, 2015, 15, 385.	0.3	0
33	Detecting structure in visual sequences. Journal of Vision, 2015, 15, 333.	0.3	0
34	Modeling information integration in sequential visual decision-making. Journal of Vision, 2015, 15, 90.	0.3	0
35	Evidence of probabilistic representation in assessing visual summary statistics. Journal of Vision, 2015, 15, 946.	0.3	0
36	Age-dependent and coordinated shift in performance between implicit and explicit skill learning. Frontiers in Computational Neuroscience, 2013, 7, 147.	2.1	88

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37	Suppression of cortical neural variability is stimulus- and state-dependent. Journal of Neurophysiology, 2012, 108, 2383-2392.	1.8	38
38	Impact of Simulated Central Scotomas on Visual Search in Natural Scenes. Optometry and Vision Science, 2012, 89, 1385-1394.	1.2	29
39	Effects of Peripheral Visual Field Loss on Eye Movements During Visual Search. Frontiers in Psychology, 2012, 3, 472.	2.1	36
40	The best time to acquire new skills: ageâ€related differences in implicit sequence learning across the human lifespan. Developmental Science, 2012, 15, 496-505.	2.4	237
41	Spontaneous Cortical Activity Reveals Hallmarks of an Optimal Internal Model of the Environment. Science, 2011, 331, 83-87.	12.6	593
42	Right Hemisphere Dominance in Visual Statistical Learning. Journal of Cognitive Neuroscience, 2011, 23, 1088-1099.	2.3	47
43	Statistically optimal perception and learning: from behavior to neural representations. Trends in Cognitive Sciences, 2010, 14, 119-130.	7.8	539
44	Perceptual learning and representational learning in humans and animals. Learning and Behavior, 2009, 37, 141-153.	1.0	29
45	The other kind of perceptual learning. Learning & Perception, 2009, 1, 69-87.	2.4	3
46	Bayesian learning of visual chunks by human observers. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2745-2750.	7.1	194
47	Perceived object trajectories during occlusion constrain visual statistical learning. Psychonomic Bulletin and Review, 2007, 14, 173-178.	2.8	24
48	Encoding Multielement Scenes: Statistical Learning of Visual Feature Hierarchies.. Journal of Experimental Psychology: General, 2005, 134, 521-537.	2.1	157
49	Methodological challenges for understanding cognitive development in infants. Trends in Cognitive Sciences, 2005, 9, 92-98.	7.8	53
50	Small modulation of ongoing cortical dynamics by sensory input during natural vision. Nature, 2004, 431, 573-578.	27.8	368
51	Contrast conservation in human vision. Vision Research, 2003, 43, 2637-2648.	1.4	16
52	Coding of Natural Scenes in Primary Visual Cortex. Neuron, 2003, 37, 703-718.	8.1	127
53	Nonlinear partial differential equations and applications: From the Cover: Statistical learning of new visual feature combinations by infants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15822-15826.	7.1	480
54	Statistical learning of higher-order temporal structure from visual shape sequences.. Journal of Experimental Psychology: Learning Memory and Cognition, 2002, 28, 458-467.	0.9	383

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55	Statistical learning of higher-order temporal structure from visual shape sequences.. Journal of Experimental Psychology: Learning Memory and Cognition, 2002, 28, 458-467.	0.9	292
56	Unsupervised Statistical Learning of Higher-Order Spatial Structures from Visual Scenes. Psychological Science, 2001, 12, 499-504.	3.3	624
57	Invariance of long-term visual priming to scale, reflection, translation, and hemisphere. Vision Research, 2001, 41, 221-234.	1.4	47
58	Experience-dependent visual cue integration based on consistencies between visual and haptic percepts. Vision Research, 2001, 41, 449-461.	1.4	92
59	Size tuning in the absence of spatial frequency tuning in object recognition. Vision Research, 2001, 41, 1931-1950.	1.4	22
60	Minimizing Binding Errors Using Learned Conjunctive Features. Neural Computation, 2000, 12, 731-762.	2.2	65
61	Minimizing Binding Errors Using Learned Conjunctive Features. Neural Computation, 2000, 12, 247-278.	2.2	19
62	Subordinate-level object classification reexamined. Psychological Research, 1999, 62, 131-153.	1.7	62
63	Distance Modulation of Neural Activity in the Visual Cortex. , 1998, 281, 552-555.		99
64	Gabor-wavelet decomposition based filtering of gray-level images for object and scene recognition experiments. Spatial Vision, 1997, 11, 117-119.	1.4	1
65	To what extent can matching algorithms based on direct outputs of spatial filters account for human object recognition?. Spatial Vision, 1996, 10, 237-271.	1.4	47
66	Size Invariance in Visual Object Priming of Gray-Scale Images. Perception, 1995, 24, 741-748.	1.2	40
67	Classical geometric illusion effects with nonclassical stimuli: Angular induction from decomposing lines into point arrays. Perception & Psychophysics, 1994, 56, 575-589.	2.3	6