Stefan Pollmann

List of Publications by Year
in descending order

124 papers	4,537 citations	136950 32 h-index	114465 63 g-index
132 all docs	132 docs citations	132 times ranked	4908 citing authors

#	Article	IF	Citations
1	Frontopolar activity carries feature information of novel stimuli during unconscious reweighting of selective attention. Cortex, 2022, 153, 146-165.	2.4	5
2	Anomalous visual experience is linked to perceptual uncertainty and visual imagery vividness. Psychological Research, 2021, 85, 1848-1865.	1.7	17
3	Feature-Based Attentional Weighting and Re-weighting in the Absence of Visual Awareness. Frontiers in Human Neuroscience, 2021, 15, 610347.	2.0	1
4	The interactive effects of reward expectation and emotional interference on cognitive conflict control: An ERP study. Physiology and Behavior, 2021, 234, 113369.	2.1	8
5	Egocentric and Allocentric Reference Frames Can Flexibly Support Contextual Cueing. Frontiers in Psychology, 2021, 12, 711890.	2.1	1
6	Perceptual Learning of Object Recognition in Simulated Retinal Implant Perception â€“ The Effect of Video Training. Translational Vision Science and Technology, 2021, 10, 22.	2.2	3
7	Not scene learning, but attentional processing is superior in team sport athletes and action video game players. Psychological Research, 2020, 84, 1028-1038.	1.7	5
8	Contextual-Cueing beyond the Initial Field of Viewâ€”A Virtual Reality Experiment. Brain Sciences, 2020, 10, 446.	2.3	4
9	Intact Contextual Cueing for Search in Realistic Scenes with Simulated Central or Peripheral Vision Loss. Translational Vision Science and Technology, 2020, 9, 15.	2.2	6
10	Preserved Contextual Cueing in Realistic Scenes in Patients with Age-Related Macular Degeneration. Brain Sciences, 2020, 10, 941.	2.3	1
11	Working memory dependence of spatial contextual cueing for visual search. British Journal of Psychology, 2019, 110, 372-380.	2.3	16
12	The contribution of spatial position and rotated global configuration to contextual cueing. Attention, Perception, and Psychophysics, 2019, 81, 2590-2596.	1.3	7
13	Contextual Cueing in Virtual (Reality) Environments. Neuromethods, 2019, , 73-103.	0.3	0
14	Contextual cueing in older adults: Slow initial learning but flexible use of distractor configurations. Visual Cognition, 2019, 27, 563-575.	1.6	4
15	Frontal cortex differentiates between free and imposed target selection in multiple-target search. NeuroImage, 2019, 202, 116133.	4.2	9
16	Individual face- and house-related eye movement patterns distinctively activate FFA and PPA. Nature Communications, 2019, 10, 5532.	12.8	8
17	Differential brain mechanisms for processing distracting information in taskâ€relevant and â€irrelevant dimensions in visual search. Human Brain Mapping, 2019, 40, 110-124.	3.6	10
18	Gradual acquisition of visuospatial associative memory representations via the dorsal precuneus. Human Brain Mapping, 2019, 40, 1554-1570.	3.6	49

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19	Spatial Contextual Cueing, Assessed in a Computerized Task, Is Not a Limiting Factor for Expert Performance in the Domain of Team Sports or Action Video Game Playing. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2019, 3, 281-292.	1.6	3
20	Persistent and flexible perceptual training effect in simulated retinal implant vision. Journal of Vision, 2019, 19, 27a.	0.3	0
21	Cross-task perceptual learning of object recognition in simulated retinal implant perception. Journal of Vision, 2018, 18, 22.	0.3	6
22	Biasing Allocations of Attention via Selective Weighting of Saliency Signals: Behavioral and Neuroimaging Evidence for the Dimension-Weighting Account. Current Topics in Behavioral Neurosciences, 2018, 41, 87-113.	1.7	23
23	Sensory category learning. Nature Human Behaviour, 2018, 2, 448-449.	12.0	0
24	Spatial band-pass filtering aids decoding musical genres from auditory cortex 7T fMRI. F1000Research, 2018, 7, 142.	1.6	4
25	No evidence for enhanced distractor template representation in early visual cortex. Cortex, 2018, 108, 279-282.	2.4	25
26	Spatial band-pass filtering aids decoding musical genres from auditory cortex 7T fMRI. F1000Research, 2018, 7, 142.	1.6	7
27	Perception Enhancement for Bionic Vision - Preliminary Study on Object Classification with Subretinal Implants. , 2018, , .		1
28	The visual representation of templates for rejection. Journal of Vision, 2018, 18, 1222.	0.3	0
29	Decoding face- and house-associated eye-movement patterns in FFA and PPA. Journal of Vision, 2018, 18, 1158.	0.3	0
30	Dissociating proactive from reactive control in multiple-target visual search. Journal of Vision, 2018, 18, 982.	0.3	0
31	The effect of acquisition resolution on orientation decoding from V1 BOLD fMRI at 7 T. NeuroImage, 2017, 148, 64-76.	4.2	20
32	Ultra high-field (7 T) multi-resolution fMRI data for orientation decoding in visual cortex. Data in Brief, 2017, 13, 219-222.	1.0	4
33	Reward modulation of contextual cueing: Repeated context overshadows repeated target location. Attention, Perception, and Psychophysics, 2017, 79, 1871-1877.	1.3	9
34	Task relevance modulates the cortical representation of feature conjunctions in the target template. Scientific Reports, 2017, 7, 4514.	3.3	9
35	Cortical evidence for negative search templates. Visual Cognition, 2017, 25, 278-290.	1.6	45
36	Cortical evidence for negative search templates. Journal of Vision, 2017, 17, 928.	0.3	0

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37	Impairment of visual memory for objects in natural scenes by simulated central scotomata. Journal of Vision, 2016, 16, 6.	0.3	17
38	Frontopolar Resource Allocation in Human and Nonhuman Primates. Trends in Cognitive Sciences, 2016, 20, 84-86.	7.8	17
39	Neural structures involved in visual search guidance by reward-enhanced contextual cueing of the target location. NeuroImage, 2016, 124, 887-897.	4.2	25
40	Putamen Activation Represents an Intrinsic Positive Prediction Error Signal for Visual Search in Repeated Configurations. Open Neuroimaging Journal, 2016, 10, 126-138.	0.2	10
41	Task relevance modulates the representation of feature dimensions in the target template. Journal of Vision, 2016, 16, 691.	0.3	0
42	Peripheral vision contributions to contextual cueing. Journal of Vision, 2016, 16, 987.	0.3	0
43	Central and peripheral vision loss differentially affects contextual cueing in visual search.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 1485-1496.	0.9	23
44	Visual memory for objects following foveal vision loss.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 1471-1484.	0.9	8
45	Adaptation to recent conflict in the classical color-word Stroop-task mainly involves facilitation of processing of task-relevant information. Frontiers in Human Neuroscience, 2015, 9, 88.	2.0	19
46	Investigating the brain basis of facial expression perception using multi-voxel pattern analysis. Cortex, 2015, 69, 131-140.	2.4	76
47	Foveal vision loss interferes with visual search guidance by learned spatial contexts in contextual cueing. Journal of Vision, 2015, 15, 1109.	0.3	0
48	Functional asymmetry and effective connectivity of the auditory system during speech perception is modulated by the place of articulation of the consonant- A 7T fMRI study. Frontiers in Psychology, 2014, 5, 549.	2.1	5
49	Prediction of higher visual function in macular degeneration with multifocal electroretinogram and multifocal visual evoked potential. Ophthalmic and Physiological Optics, 2014, 34, 540-551.	2.0	2
50	A universal role of the ventral striatum in reward-based learning: Evidence from human studies. Neurobiology of Learning and Memory, 2014, 114, 90-100.	1.9	135
51	The right temporo-parietal junction contributes to visual feature binding. NeuroImage, 2014, 101, 289-297.	4.2	28
52	A high-resolution 7-Tesla fMRI dataset from complex natural stimulation with an audio movie. Scientific Data, 2014, 1, 140003.	5.3	139
53	Contextual cueing under working memory load: Selective interference of visuospatial load with expression of learning. Attention, Perception, and Psychophysics, 2013, 75, 1103-1117.	1.3	49
54	A behavioral task for the validation of a gaze-contingent simulated scotoma. Behavior Research Methods, 2013, 45, 1313-1321.	4.0	8

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55	Evidence for feature binding in the superior parietal lobule. NeuroImage, 2013, 68, 173-180.	4.2	19
56	Dorsal and ventral working memory-related brain areas support distinct processes in contextual cueing. NeuroImage, 2013, 67, 363-374.	4.2	34
57	Contextual cueing impairment in patients with age-related macular degeneration. Journal of Vision, 2013, 13, 28-28.	0.3	34
58	Memory under pressure: Secondary-task effects on contextual cueing of visual search. Journal of Vision, 2013, 13, 6-6.	0.3	38
59	Striatal activations signal prediction errors on confidence in the absence of external feedback. NeuroImage, 2012, 59, 3457-3467.	4.2	65
60	Anterior Prefrontal Contributions to Implicit Attention Control. Brain Sciences, 2012, 2, 254-266.	2.3	10
61	Simulated loss of foveal vision eliminates visual search advantage in repeated displays. Frontiers in Human Neuroscience, 2012, 6, 134.	2.0	31
62	Medial temporal lobe-dependent repetition suppression and enhancement due to implicit vs. explicit processing of individual repeated search displays. Frontiers in Human Neuroscience, 2012, 6, 272.	2.0	38
63	Visual Search Facilitation in Repeated Displays Depends on Visuospatial Working Memory. Experimental Psychology, 2012, 59, 47-54.	0.7	23
64	Neural correlates of binding features within- or cross-dimensions in visual conjunction search: An fMRI study. NeuroImage, 2011, 57, 235-241.	4.2	24
65	Is there a structural limit to â€˜branchâ€™ recursively between more than two tasks?. Psychological Research, 2010, 74, 327-336.	1.7	0
66	Statistical learning analysis in neuroscience: aiming for transparency. Frontiers in Neuroscience, 2010, 4, 38.	2.8	13
67	Comparing the Neural Basis of Monetary Reward and Cognitive Feedback during Information-Integration Category Learning. Journal of Neuroscience, 2010, 30, 47-55.	3.6	73
68	Deficits in Subprocesses of Visual Feature Search after Frontal, Parietal, and Temporal Brain Lesionsâ€”A Modeling Approach. Journal of Cognitive Neuroscience, 2010, 22, 1399-1424.	2.3	9
69	Repeated Contextual Search Cues Lead to Reduced BOLD-Onset Times in Early Visual and Left Inferior Frontal Cortex. Open Neuroimaging Journal, 2010, 4, 9-15.	0.2	12
70	A Unified Structural-Attentional Framework for Dichotic Listening. , 2010, , 441-468.		9
71	Anterior prefrontal involvement in implicit contextual change detection. Frontiers in Human Neuroscience, 2009, 3, 28.	2.0	25
72	PyMVPA: a unifying approach to the analysis of neuroscientific data. Frontiers in Neuroinformatics, 2009, 3, 3.	2.5	98

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73	Early implicit contextual change detection in anterior prefrontal cortex. Brain Research, 2009, 1263, 87-92.	2.2	22
74	Misleading contextual cues: How do they affect visual search?. Psychological Research, 2009, 73, 212-221.	1.7	68
75	PyMVPA: a Python Toolbox for Multivariate Pattern Analysis of fMRI Data. Neuroinformatics, 2009, 7, 37-53.	2.8	435
76	Neural basis of interaction between target presence and display homogeneity in visual search: An fMRI study. NeuroImage, 2009, 45, 993-1001.	4.2	16
77	Ontologies for neuroscience: What are they and what are they good for?. Frontiers in Neuroscience, 2009, 3, 60-7.	2.8	87
78	Retinotopic activation in response to subjective contours in primary visual cortex. Frontiers in Human Neuroscience, 2008, 2, 1-7.	2.0	96
79	Illusory Contours Do Not Pass through the â€œBlind Spotâ€. Journal of Cognitive Neuroscience, 2007, 19, 91-101.	2.3	14
80	Selective Visual Dimension Weighting Deficit after Left Lateral Frontopolar Lesions. Journal of Cognitive Neuroscience, 2007, 19, 365-375.	2.3	22
81	Neural basis of redundancy effects in visual object categorization. Neuroscience Letters, 2007, 412, 123-128.	2.1	9
82	Selective and interactive neural correlates of visual dimension changes and response changes. NeuroImage, 2006, 30, 254-265.	4.2	37
83	Perception modulates auditory cortex activation. NeuroReport, 2006, 17, 1779-1782.	1.2	5
84	ERP and fMRI correlates of endogenous and exogenous focusing of visual-spatial attention. European Journal of Neuroscience, 2006, 23, 2511-2521.	2.6	80
85	Neural correlates of visual dimension weighting. Visual Cognition, 2006, 14, 877-897.	1.6	30
86	Shift of activity from attention to motor-related brain areas during visual learning. Nature Neuroscience, 2005, 8, 1494-1496.	14.8	23
87	Differential activation of object-selective visual areas by passive viewing of pictures and words. Cognitive Brain Research, 2005, 24, 702-714.	3.0	29
88	fMRI Reveals a Common Neural Substrate of Illusory and Real Contours in V1 after Perceptual Learning. Journal of Cognitive Neuroscience, 2005, 17, 1553-1564.	2.3	61
89	Interhemispheric resource sharing: Decreasing benefits with increasing processing efficiency. Brain and Cognition, 2005, 58, 183-192.	1.8	17
90	Anterior Prefrontal Cortex Contributions to Attention Control. Experimental Psychology, 2004, 51, 270-278.	0.7	49

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91	Editorial. Experimental Psychology, 2004, 51, 229-230.	0.7	4
92	Auditory Target Detection in Dichotic Listening Involves the Orbitofrontal and Hippocampal Paralimbic Belts. Cerebral Cortex, 2004, 14, 903-913.	2.9	26
93	Splenial Lesions Lead to Supramodal Target Detection Deficits.. Neuropsychology, 2004, 18, 710-718.	1.3	12
94	The neural basis of the bilateral distribution advantage. Experimental Brain Research, 2003, 153, 322-333.	1.5	42
95	Determining subprocesses of visual feature search with reaction time models. Psychological Research, 2003, 67, 80-105.	1.7	12
96	Separating distractor rejection and target detection in posterior parietal cortexâ€"an event-related fMRI study of visual marking. NeuroImage, 2003, 18, 310-323.	4.2	112
97	Left and right occipital cortices differ in their response to spatial cueing. NeuroImage, 2003, 18, 273-283.	4.2	6
98	Division of labor between the hemispheres for complex but not simple tasks: An implemented connectionist model.. Journal of Experimental Psychology: General, 2003, 132, 379-399.	2.1	21
99	Covert Reorienting and Inhibition of Return: An Event-Related fMRI Study. Journal of Cognitive Neuroscience, 2002, 14, 127-144.	2.3	138
100	Dichotic listening in patients with splenial and nonsplenial callosal lesions.. Neuropsychology, 2002, 16, 56-64.	1.3	119
101	Dichotic listening in patients with splenial and nonsplenial callosal lesions.. Neuropsychology, 2002, 16, 56-64.	1.3	50
102	Switching between Dimensions, Locations, and Responses: The Role of the Left Frontopolar Cortex. NeuroImage, 2001, 14, S118-S124.	4.2	48
103	Event-related fMRI: Comparison of conditions with varying BOLD overlap. Human Brain Mapping, 2000, 9, 26-37.	3.6	49
104	Dissociation of memory retrieval and search processes: An event-related fMRI study. Microscopy Research and Technique, 2000, 51, 29-38.	2.2	8
105	Object working memory and visuospatial processing: functional neuroanatomy analyzed by event-related fMRI. Experimental Brain Research, 2000, 133, 12-22.	1.5	92
106	A Fronto-Posterior Network Involved in Visual Dimension Changes. Journal of Cognitive Neuroscience, 2000, 12, 480-494.	2.3	113
107	Extinction-like Effects in Normals: Independence of Localization and Response Selection. Brain and Cognition, 2000, 44, 324-341.	1.8	17
108	Prefrontal cortex activation in task switching: an event-related fMRI study. Cognitive Brain Research, 2000, 9, 103-109.	3.0	616

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109	Object working memory and visuospatial processing: functional neuroanatomy analyzed by event-related fMRI. , 2000, , 12-22.		3
110	Application of double voxel functional spectroscopy to event-related cognitive experiments. Magnetic Resonance in Medicine, 1999, 41, 217-223.	3.0	10
111	Redundancy gains for visual search after complete commissurotomy.. Neuropsychology, 1999, 13, 246-258.	1.3	25
112	Redundancy gains for visual search after complete commissurotomy.. Neuropsychology, 1999, 13, 246-258.	1.3	13
113	The role of the corpus callosum in visual orienting: importance of interhemispheric visual transfer. Neuropsychologia, 1998, 36, 763-774.	1.6	19
114	Use of Short Intertrial Intervals in Single-Trial Experiments: A 3T fMRI-Study. NeuroImage, 1998, 8, 327-339.	4.2	32
115	Cortical areas and the control of self-determined finger movements. NeuroReport, 1998, 9, 3171-3176.	1.2	44
116	D1- Versus D2-Receptor Modulation of Visuospatial Working Memory in Humans. Journal of Neuroscience, 1998, 18, 2720-2728.	3.6	336
117	A pop-out induced extinction-like phenomenon in neurologically intact subjects. Neuropsychologia, 1996, 34, 413-425.	1.6	29
118	Changes of the Relative Severity of Naming, Fluency and Recall Impairment in the Course of Dementia of the Alzheimer Type. Dementia and Geriatric Cognitive Disorders, 1995, 6, 252-257.	1.5	6
119	Alzheimer's Disease: Is There Evidence of Phenomenological Subtypes?. Dementia and Geriatric Cognitive Disorders, 1992, 3, 320-327.	1.5	3
120	Severity of Symptoms and Rate of Progression in Alzheimer's Disease: A Comparison of Cases with Early and Late Onset. Dementia and Geriatric Cognitive Disorders, 1992, 3, 21-24.	1.5	0
121	Stability of Cognitive Symptoms in Dementia of the Alzheimer Type. Dementia and Geriatric Cognitive Disorders, 1992, 3, 328-334.	1.5	0
122	Disoriented Behavior in Familiar Surroundings Is Strongly Associated with Perceptual Impairment in Mild Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders, 1991, 2, 259-261.	1.5	1
123	Feedback Dependence of Dopaminergic Involvement in an Information-Integration Task. Frontiers in Behavioral Neuroscience, 1970, , .	2.0	0
124	Feedback Dependence of Dopaminergic Involvement in an Information-Integration Task. Frontiers in Computational Neuroscience, 0, 4, .	2.1	0