

Andreas M Bartels

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

6,150
citations

159585

30
h-index

85541

71
g-index

84
all docs

84
docs citations

84
times ranked

5374
citing authors

#	ARTICLE	IF	CITATIONS
1	The neural correlates of maternal and romantic love. <i>NeuroImage</i> , 2004, 21, 1155-1166.	4.2	1,340
2	The neural basis of romantic love. <i>NeuroReport</i> , 2000, 11, 3829-3834.	1.2	856
3	The architecture of the colour centre in the human visual brain: new results and a review *. <i>European Journal of Neuroscience</i> , 2000, 12, 172-193.	2.6	394
4	Toward a Theory of Visual Consciousness. <i>Consciousness and Cognition</i> , 1999, 8, 225-259.	1.5	286
5	Functional brain mapping during free viewing of natural scenes. <i>Human Brain Mapping</i> , 2004, 21, 75-85.	3.6	282
6	Brain dynamics during natural viewing conditions – A new guide for mapping connectivity in vivo. <i>NeuroImage</i> , 2005, 24, 339-349.	4.2	170
7	The chronoarchitecture of the human brain – natural viewing conditions reveal a time-based anatomy of the brain. <i>NeuroImage</i> , 2004, 22, 419-433.	4.2	164
8	fMRI and its interpretations: an illustration on directional selectivity in area V5/MT. <i>Trends in Neurosciences</i> , 2008, 31, 444-453.	8.6	137
9	The Coding of Color, Motion, and Their Conjunction in the Human Visual Cortex. <i>Current Biology</i> , 2009, 19, 177-183.	3.9	137
10	Natural Vision Reveals Regional Specialization to Local Motion and to Contrast-Invariant, Global Flow in the Human Brain. <i>Cerebral Cortex</i> , 2008, 18, 705-717.	2.9	135
11	Decoding the Yellow of a Gray Banana. <i>Current Biology</i> , 2013, 23, 2268-2272.	3.9	134
12	Coding and Binding of Color and Form in Visual Cortex. <i>Cerebral Cortex</i> , 2010, 20, 1946-1954.	2.9	123
13	The Processing of Kinetic Contours in the Brain. <i>Cerebral Cortex</i> , 2003, 13, 189-202.	2.9	114
14	Disrupting Parietal Function Prolongs Dominance Durations in Binocular Rivalry. <i>Current Biology</i> , 2010, 20, 2106-2111.	3.9	102
15	The asynchrony of consciousness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 1583-1585.	2.6	101
16	The chronoarchitecture of the cerebral cortex. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 733-750.	4.0	92
17	The theory of multistage integration in the visual brain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 2327-2332.	2.6	89
18	Parietal Cortex Codes for Egocentric Space beyond the Field of View. <i>Current Biology</i> , 2013, 23, 177-182.	3.9	85

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19	Parietal Cortex Mediates Conscious Perception of Illusory Gestalt. <i>Journal of Neuroscience</i> , 2013, 33, 523-531.	3.6	85
20	The autonomy of the visual systems and the modularity of conscious vision. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1911-1914.	4.0	84
21	Visual Motion Responses in the Posterior Cingulate Sulcus: A Comparison to V5/MT and MST. <i>Cerebral Cortex</i> , 2012, 22, 865-876.	2.9	70
22	The clinical and functional measurement of cortical (in)activity in the visual brain, with special reference to the two subdivisions (V4 and V4 _{l±}) of the human colour centre. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 1371-1382.	4.0	66
23	Effects of cholinergic modulation on responses of neocortical neurons to fluctuating input. <i>Cerebral Cortex</i> , 1997, 7, 502-509.	2.9	64
24	The temporal order of binding visual attributes. <i>Vision Research</i> , 2006, 46, 2280-2286.	1.4	64
25	Human Areas V3A and V6 Compensate for Self-Induced Planar Visual Motion. <i>Neuron</i> , 2012, 73, 1228-1240.	8.1	60
26	Visual Perception: Converging Mechanisms of Attention, Binding, and Segmentation?. <i>Current Biology</i> , 2009, 19, R300-R302.	3.9	55
27	Functional magnetic resonance imaging. <i>International Review of Psychiatry</i> , 2001, 13, 24-33.	2.8	54
28	Audiovisual interactions in binocular rivalry. <i>Journal of Vision</i> , 2010, 10, 27-27.	0.3	48
29	A novel test to determine the significance of neural selectivity to single and multiple potentially correlated stimulus features. <i>Journal of Neuroscience Methods</i> , 2012, 210, 49-65.	2.5	44
30	Semi-supervised kernel canonical correlation analysis with application to human fMRI. <i>Pattern Recognition Letters</i> , 2011, 32, 1572-1583.	4.2	42
31	Integration of EEG source imaging and fMRI during continuous viewing of natural movies. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1135-1142.	1.8	39
32	Temporal Jitter of the BOLD Signal Reveals a Reliable Initial Dip and Improved Spatial Resolution. <i>Current Biology</i> , 2013, 23, 2146-2150.	3.9	35
33	Has a new color area been discovered?. <i>Nature Neuroscience</i> , 1998, 1, 335-335.	14.8	32
34	Human V4 Activity Patterns Predict Behavioral Performance in Imagery of Object Color. <i>Journal of Neuroscience</i> , 2018, 38, 3657-3668.	3.6	32
35	Color Blobs in Cortical Areas V1 and V2 of the New World Monkey <i>Callithrix jacchus</i> , Revealed by Non-Differential Optical Imaging. <i>Journal of Neuroscience</i> , 2012, 32, 7881-7894.	3.6	31
36	Binocular rivalry: A time dependence of eye and stimulus contributions. <i>Journal of Vision</i> , 2010, 10, 3-3.	0.3	28

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37	Integration of visual and non-visual self-motion cues during voluntary head movements in the human brain. <i>NeuroImage</i> , 2018, 172, 597-607.	4.2	26
38	Gestalt perception is associated with reduced parietal beta oscillations. <i>NeuroImage</i> , 2015, 112, 61-69.	4.2	25
39	Naturalistic Stimulus Structure Determines the Integration of Audiovisual Looming Signals in Binocular Rivalry. <i>PLoS ONE</i> , 2013, 8, e70710.	2.5	25
40	Face processing regions are sensitive to distinct aspects of temporal sequence in facial dynamics. <i>NeuroImage</i> , 2014, 102, 407-415.	4.2	24
41	Attention reorganizes connectivity across networks in a frequency specific manner. <i>NeuroImage</i> , 2017, 144, 217-226.	4.2	24
42	Real-motion signals in human early visual cortex. <i>NeuroImage</i> , 2018, 175, 379-387.	4.2	22
43	A Generic Mechanism for Perceptual Organization in the Parietal Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 7158-7169.	3.6	22
44	Coding of Melodic Gestalt in Human Auditory Cortex. <i>Cerebral Cortex</i> , 2013, 23, 2987-2993.	2.9	21
45	Retinotopic maps and hemodynamic delays in the human visual cortex measured using arterial spin labeling. <i>NeuroImage</i> , 2012, 59, 4044-4054.	4.2	20
46	Visual high-level regions respond to high-level stimulus content in the absence of low-level confounds. <i>NeuroImage</i> , 2016, 132, 520-525.	4.2	19
47	Oxytocin and the Social Brain: Beware the Complexity. <i>Neuropsychopharmacology</i> , 2012, 37, 1795-1796.	5.4	18
48	Motion responses in scene-selective regions. <i>NeuroImage</i> , 2015, 118, 438-444.	4.2	18
49	Connectivity Reveals Sources of Predictive Coding Signals in Early Visual Cortex During Processing of Visual Optic Flow. <i>Cerebral Cortex</i> , 2017, 27, bhw136.	2.9	18
50	Parietal cortex mediates perceptual Gestalt grouping independent of stimulus size. <i>NeuroImage</i> , 2016, 133, 367-377.	4.2	18
51	Invariance of surface color representations across illuminant changes in the human cortex. <i>NeuroImage</i> , 2017, 158, 356-370.	4.2	14
52	Disrupting Short-Term Memory Maintenance in Premotor Cortex Affects Serial Dependence in Visuomotor Integration. <i>Journal of Neuroscience</i> , 2021, 41, 9392-9402.	3.6	14
53	Motion parallax links visual motion areas and scene regions. <i>NeuroImage</i> , 2016, 125, 803-812.	4.2	13
54	Eye-selective fMRI activity in human primary visual cortex: Comparison between 3Å€T and 9.4Å€T, and effects across cortical depth. <i>NeuroImage</i> , 2020, 220, 117078.	4.2	13

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55	Scene segmentation in early visual cortex during suppression of ventral stream regions. <i>NeuroImage</i> , 2017, 146, 71-80.	4.2	12
56	The neural coding of face and body orientation in occipitotemporal cortex. <i>NeuroImage</i> , 2022, 246, 118783.	4.2	12
57	Task-Related Edge Density (TED) – A New Method for Revealing Dynamic Network Formation in fMRI Data of the Human Brain. <i>PLoS ONE</i> , 2016, 11, e0158185.	2.5	10
58	Visual Perception: Early Visual Cortex Fills in the Gaps. <i>Current Biology</i> , 2014, 24, R600-R602.	3.9	9
59	Human V6 Integrates Visual and Extra-Retinal Cues during Head-Induced Gaze Shifts. <i>IScience</i> , 2018, 7, 191-197.	4.1	9
60	Separated and overlapping neural coding of face and body identity. <i>Human Brain Mapping</i> , 2021, 42, 4242-4260.	3.6	9
61	Consciousness: What is the role of prefrontal cortex?. <i>Current Biology</i> , 2021, 31, R853-R856.	3.9	9
62	An Analysis Approach for High-Field fMRI Data from Awake Non-Human Primates. <i>PLoS ONE</i> , 2012, 7, e29697.	2.5	8
63	Perception of temporal asymmetries in dynamic facial expressions. <i>Frontiers in Psychology</i> , 2015, 6, 1107.	2.1	8
64	Decoding subcategories of human bodies from both body- and face-responsive cortical regions. <i>NeuroImage</i> , 2019, 202, 116085.	4.2	8
65	Rivalry between afterimages and real images: The influence of the percept and the eye. <i>Journal of Vision</i> , 2011, 11, 7-7.	0.3	7
66	Realignment strategies for awake-monkey fMRI data. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1390-1400.	1.8	5
67	Investigating holistic face processing within and outside of face-responsive brain regions. <i>NeuroImage</i> , 2021, 226, 117565.	4.2	4
68	Cholinergic modulation of spike timing and spike rate. <i>Neurocomputing</i> , 1999, 26-27, 293-298.	5.9	3
69	Perceptual effects of stimulating V5/hMT+ during binocular rivalry are state specific. <i>Current Biology</i> , 2013, 23, R919-R920.	3.9	3
70	Binocular rivalry transitions predict inattention symptom severity in adult ADHD. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 373-382.	3.2	3
71	Magic, Bayes and wows: A Bayesian account of magic tricks. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 126, 515-527.	6.1	3
72	Functional magnetic resonance imaging. , 0, , 410-469.		0

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73	Conscious perception of flickering stimuli in binocular rivalry and continuous flash suppression is not affected by tACS-induced SSR modulation. <i>Consciousness and Cognition</i> , 2020, 82, 102953.	1.5	0
74	Neural Correlates of Holistic Face Processing. <i>Journal of Vision</i> , 2018, 18, 1085.	0.3	0
75	Human V4 Activity Patterns Predict Behavioral Performance in Imagery of Object Color. <i>Journal of Vision</i> , 2018, 18, 871.	0.3	0
76	Decoding the Viewpoint and Identity of Faces and Bodies. <i>Journal of Vision</i> , 2019, 19, 54c.	0.3	0