Marc G Berman

List of Publications by Year
in descending order

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104 papers	9,841 citations	101543 36 h-index	39675 94 g-index
118 all docs	118 docs citations	118 times ranked	10556 citing authors

#	Article	IF	Citations
1	The Cognitive Benefits of Interacting With Nature. Psychological Science, 2008, 19, 1207-1212.	3.3	1,563
2	Nature and mental health: An ecosystem service perspective. Science Advances, 2019, 5, eaax0903.	10.3	899
3	The Mind and Brain of Short-Term Memory. Annual Review of Psychology, 2008, 59, 193-224.	17.7	737
4	Directed Attention as a Common Resource for Executive Functioning and Self-Regulation. Perspectives on Psychological Science, 2010, 5, 43-57.	9.0	573
5	Behavioral and neural correlates of delay of gratification 40 years later. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14998-15003.	7.1	572
6	Interacting with nature improves cognition and affect for individuals with depression. Journal of Affective Disorders, 2012, 140, 300-305.	4.1	520
7	Social rejection shares somatosensory representations with physical pain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6270-6275.	7.1	478
8	Depression, rumination and the default network. Social Cognitive and Affective Neuroscience, 2011, 6, 548-555.	3.0	445
9	â€˜Willpowerâ€™ over the life span: decomposing self-regulation. Social Cognitive and Affective Neuroscience, 2011, 6, 252-256.	3.0	421
10	Neighborhood greenspace and health in a large urban center. Scientific Reports, 2015, 5, 11610.	3.3	300
11	Network-Level Structure-Function Relationships in Human Neocortex. Cerebral Cortex, 2016, 26, 3285-3296.	2.9	260
12	Prechemotherapy alterations in brain function in women with breast cancer. Journal of Clinical and Experimental Neuropsychology, 2010, 32, 324-331.	1.3	141
13	Neural mechanisms of proactive interference-resolution. NeuroImage, 2007, 38, 740-751.	4.2	136
14	In search of decay in verbal short-term memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2009, 35, 317-333.	0.9	135
15	CNTRICS Final Task Selection: Working Memory. Schizophrenia Bulletin, 2009, 35, 136-152.	4.3	113
16	Stable long-range interhemispheric coordination is supported by direct anatomical projections. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6473-6478.	7.1	110
17	The Perception of Naturalness Correlates with Low-Level Visual Features of Environmental Scenes. PLoS ONE, 2014, 9, e114572.	2.5	94
18	Neural and behavioral effects of interference resolution in depression and rumination. Cognitive, Affective and Behavioral Neuroscience, 2011, 11, 85-96.	2.0	92

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19	Evaluating functional localizers: The case of the FFA. NeuroImage, 2010, 50, 56-71.	4.2	89
20	Does resting-state connectivity reflect depressive rumination? A tale of two analyses. NeuroImage, 2014, 103, 267-279.	4.2	82
21	Psychological responses to natural patterns in architecture. Journal of Environmental Psychology, 2019, 62, 133-145.	5.1	78
22	Is the preference of natural versus man-made scenes driven by bottomâ€“up processing of the visual features of nature?. Frontiers in Psychology, 2015, 6, 471.	2.1	68
23	Understanding Nature and Its Cognitive Benefits. Current Directions in Psychological Science, 2019, 28, 496-502.	5.3	67
24	The suppression of scale-free fMRI brain dynamics across three different sources of effort: aging, task novelty and task difficulty. Scientific Reports, 2016, 6, 30895.	3.3	64
25	Third-person self-talk facilitates emotion regulation without engaging cognitive control: Converging evidence from ERP and fMRI. Scientific Reports, 2017, 7, 4519.	3.3	63
26	Pretreatment worry and neurocognitive responses in women with breast cancer.. Health Psychology, 2014, 33, 222-231.	1.6	62
27	An everyday activity as a treatment for depression: The benefits of expressive writing for people diagnosed with major depressive disorder. Journal of Affective Disorders, 2013, 150, 1148-1151.	4.1	61
28	Cognitive dysfunction and symptom burden in women treated for breast cancer: a prospective behavioral and fMRI analysis. Brain Imaging and Behavior, 2017, 11, 86-97.	2.1	58
29	Neuromarkers of fatigue and cognitive complaints following chemotherapy for breast cancer: a prospective fMRI investigation. Breast Cancer Research and Treatment, 2014, 147, 445-455.	2.5	56
30	Of cricket chirps and car horns: The effect of nature sounds on cognitive performance. Psychonomic Bulletin and Review, 2019, 26, 522-530.	2.8	53
31	The order of disorder: Deconstructing visual disorder and its effect on rule-breaking.. Journal of Experimental Psychology: General, 2016, 145, 1713-1727.	2.1	52
32	Calculated avoidance: Math anxiety predicts math avoidance in effort-based decision-making. Science Advances, 2019, 5, eaay1062.	10.3	48
33	Walking Green: Developing an Evidence Base for Nature Prescriptions. International Journal of Environmental Research and Public Health, 2019, 16, 4338.	2.6	47
34	Criterion validity and relationships between alternative hierarchical dimensional models of general and specific psychopathology.. Journal of Abnormal Psychology, 2020, 129, 677-688.	1.9	45
35	The Functional Connectivity Landscape of the Human Brain. PLoS ONE, 2014, 9, e111007.	2.5	44
36	The affective benefits of nature exposure: What's nature got to do with it?. Journal of Environmental Psychology, 2020, 72, 101498.	5.1	43

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37	Post-Traumatic Stress Constrains the Dynamic Repertoire of Neural Activity. Journal of Neuroscience, 2016, 36, 419-431.	3.6	42
38	Physiological dynamics of stress contagion. Scientific Reports, 2017, 7, 6168.	3.3	42
39	Classifying mental states from eye movements during scene viewing.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1502-1514.	0.9	40
40	A thought in the park: The influence of naturalness and low-level visual features on expressed thoughts. Cognition, 2018, 174, 82-93.	2.2	38
41	The promise of environmental neuroscience. Nature Human Behaviour, 2019, 3, 414-417.	12.0	38
42	Positive Effects of Nature on Cognitive Performance Across Multiple Experiments: Test Order but Not Affect Modulates the Cognitive Effects. Frontiers in Psychology, 2019, 10, 1413.	2.1	37
43	The gradual development of the preference for natural environments. Journal of Environmental Psychology, 2019, 65, 101328.	5.1	36
44	Distinguishing cognitive effort and working memory load using scale-invariance and alpha suppression in EEG. NeuroImage, 2020, 211, 116622.	4.2	36
45	Image Feature Types and Their Predictions of Aesthetic Preference and Naturalness. Frontiers in Psychology, 2017, 8, 632.	2.1	35
46	Scaleâ€free brain dynamics under physical and psychological distress: Preâ€treatment effects in women diagnosed with breast cancer. Human Brain Mapping, 2015, 36, 1077-1092.	3.6	34
47	Studying mind and brain with fMRI. Social Cognitive and Affective Neuroscience, 2006, 1, 158-161.	3.0	30
48	Neuroscientific Evidence About the Distinction Between Short- and Long-Term Memory. Current Directions in Psychological Science, 2008, 17, 102-106.	5.3	30
49	Cognitive Strategies and Natural Environments Interact in Influencing Executive Function. Frontiers in Psychology, 2018, 9, 1248.	2.1	30
50	Load-dependent relationships between frontal fNIRS activity and performance: A data-driven PLS approach. NeuroImage, 2021, 230, 117795.	4.2	29
51	Association of gray matter volumes with general and specific dimensions of psychopathology in children. Neuropsychopharmacology, 2021, 46, 1333-1339.	5.4	28
52	Environmental neuroscience.. American Psychologist, 2019, 74, 1039-1052.	4.2	28
53	Evidence and theory for lower rates of depression in larger US urban areas. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
54	Measuring Cities with Software-Defined Sensors. Journal of Social Computing, 2020, 1, 14-27.	2.2	24

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55	Resolving semantic and proactive interference in memory over the short-term. Memory and Cognition, 2011, 39, 806-817.	1.6	23
56	Pattern classification of fMRI data: Applications for analysis of spatially distributed cortical networks. NeuroImage, 2014, 96, 117-132.	4.2	23
57	The association between latent trauma and brain structure in children. Translational Psychiatry, 2021, 11, 240.	4.8	23
58	The nature-disorder paradox: A perceptual study on how nature is disorderly yet aesthetically preferred.. Journal of Experimental Psychology: General, 2017, 146, 1126-1142.	2.1	23
59	The Aesthetic Preference for Nature Sounds Depends on Sound Object Recognition. Cognitive Science, 2019, 43, e12734.	1.7	22
60	Early pandemic COVID-19 case growth rates increase with city size. Npj Urban Sustainability, 2021, 1, .	8.0	21
61	Simulated nature walks improve psychological well-being along a natural to urban continuum. Journal of Environmental Psychology, 2022, 81, 101779.	5.1	21
62	Randomized Crossover Study of the Natural Restorative Environment Intervention to Improve Attention and Mood in Heart Failure. Journal of Cardiovascular Nursing, 2017, 32, 464-479.	1.1	18
63	Brain connectivity tracks effects of chemotherapy separately from behavioral measures. NeuroImage: Clinical, 2019, 21, 101654.	2.7	18
64	Observersâ€™ cognitive states modulate how visual inputs relate to gaze control.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1429-1442.	0.9	18
65	What has Functional Neuroimaging told us about the Mind? So Many Examples, So Little Space. Cortex, 2006, 42, 414-417.	2.4	15
66	Escaping the recent past: Which stimulus dimensions influence proactive interference?. Memory and Cognition, 2013, 41, 650-670.	1.6	15
67	Cultural and Developmental Influences on Overt Visual Attention to Videos. Scientific Reports, 2017, 7, 11264.	3.3	15
68	Behavioral and neural correlates of delay of gratification 40 years later. Annals of Neurosciences, 2012, 19, 27-8.	1.7	13
69	Brain Network Activity During Face Perception: The Impact of Perceptual Familiarity and Individual Differences in Childhood Experience. Cerebral Cortex, 2017, 27, 4326-4338.	2.9	13
70	Neighborhood street activity and greenspace usage uniquely contribute to predicting crime. Npj Urban Sustainability, 2021, 1, .	8.0	13
71	Simple arithmetic: not so simple for highly math anxious individuals. Social Cognitive and Affective Neuroscience, 2017, 12, 1940-1949.	3.0	12
72	To search or to like: Mapping fixations to differentiate two forms of incidental scene memory. Journal of Vision, 2017, 17, 8.	0.3	10

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73	Scale invariance in fNIRS as a measurement of cognitive load. Cortex, 2022, 154, 62-76.	2.4	10
74	Visual features influence thought content in the absence of overt semantic information. Attention, Perception, and Psychophysics, 2020, 82, 3945-3956.	1.3	9
75	Creatures of the state? Metropolitan counties compensated for state inaction in initial U.S. response to COVID-19 pandemic. PLoS ONE, 2021, 16, e0246249.	2.5	9
76	Training attentional processes. Trends in Cognitive Sciences, 2009, 13, 191-192.	7.8	8
77	Effects of methamphetamine on neural responses to visual stimuli. Psychopharmacology, 2019, 236, 1741-1748.	3.1	8
78	Construct Validity of the Multi-Source Interference Task to Examine Attention in Heart Failure. Nursing Research, 2018, 67, 465-472.	1.7	7
79	Interhemispheric functional connectivity in the zebra finch brain, absent the corpus callosum in normal ontogeny. NeuroImage, 2019, 195, 113-127.	4.2	7
80	Introducing Point-of-Interest as an alternative to Area-of-Interest for fixation duration analysis. PLoS ONE, 2021, 16, e0250170.	2.5	7
81	Effects of the physical and social environment on youth cognitive performance. Developmental Psychobiology, 2022, 64, e22258.	1.6	7
82	Violence reduces attention to faces and draws attention to points of contact. Scientific Reports, 2019, 9, 17779.	3.3	6
83	Overt attentional correlates of memorability of scene images and their relationships to scene semantics. Journal of Vision, 2020, 20, 2.	0.3	6
84	Reply to Huth etÂal.: Cities are defined by their spatially aggregated socioeconomic networks. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
85	Computational neuroergonomics. NeuroImage, 2012, 59, 109-116.	4.2	4
86	Direct and Indirect Associations of Widespread Individual Differences in Brain White Matter Microstructure With Executive Functioning and General and Specific Dimensions of Psychopathology in Children. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, , .	1.5	4
87	An Environmental Neuroscience Perspective on the Benefits of Nature. Nebraska Symposium on Motivation, 2021, , 61-88.	0.9	4
88	The Value of Brain Imaging in Psychological Research. Acta Psychologica Sinica, 2010, 42, 111-119.	0.7	4
89	Ruminating on Rumination. Biological Psychiatry, 2011, 70, 310-311.	1.3	3
90	Visual cues to fertility are in the eye (movements) of the beholder. Hormones and Behavior, 2019, 115, 104562.	2.1	3

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91	Mouse movements reflect personality traits and task attentiveness in online experiments. Journal of Personality, 2022, , .	3.2	3
92	Associations of polygenic risk for attention-deficit/hyperactivity disorder with general and specific dimensions of childhood psychological problems and facets of impulsivity. Journal of Psychiatric Research, 2022, 152, 187-193.	3.1	3
93	Dynamic effects on elite and amateur performance.. Sport, Exercise, and Performance Psychology, 2016, 5, 308-323.	0.8	2
94	Editorial: Nature and the Environment: The Psychology of Its Benefits and Its Protection. Frontiers in Psychology, 2015, 6, 1804.	2.1	1
95	Experience selectively alters functional connectivity within a neural network to predict learned behavior in juvenile songbirds. NeuroImage, 2020, 222, 117218.	4.2	1
96	Measuring the visual pedestrian qualities of urban streets through crowdsourcing. Journal of Vision, 2020, 20, 929.	0.3	1
97	General and Specific Factors of Environmental Stress and their Associations with Brain Structure and Dimensions of Psychopathology. Biological Psychiatry Global Open Science, 2022, , .	2.2	1
98	Street design preference: an on-line survey. Journal of Urban Design, 0, , 1-24.	1.4	1
99	A tablet-based task for assessing environmental preferences in children and adults. MethodsX, 2019, 6, 1901-1906.	1.6	0
100	Associations Between Dimensional Psychopathology and Brain Volume in Children. Biological Psychiatry, 2021, 89, S179.	1.3	0
101	Neighborhood Street Activity and Greenspace Usage Uniquely Contribute to Predicting Crime. SSRN Electronic Journal, 0, , .	0.4	0
102	Response to X. Journal of Environmental Psychology, 2021, , 101719.	5.1	0
103	Correction to Moore et al. (2020).. Journal of Abnormal Psychology, 2020, 129, 759-759.	1.9	0
104	P68. Atypical Network Properties During Rest and Task Performance in Youth With ADHD Symptoms: A Bifactor Model Approach. Biological Psychiatry, 2022, 91, S114-S115.	1.3	0