

Christopher R Madan

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

3,846
citations

136950

32
h-index

168389

53
g-index

185
all docs

185
docs citations

185
times ranked

5259
citing authors

#	ARTICLE	IF	CITATIONS
1	Many Analysts, One Data Set: Making Transparent How Variations in Analytic Choices Affect Results. <i>Advances in Methods and Practices in Psychological Science</i> , 2018, 1, 337-356.	9.4	406
2	Justify your alpha. <i>Nature Human Behaviour</i> , 2018, 2, 168-171.	12.0	310
3	A multi-disciplinary perspective on emergent and future innovations in peer review. <i>F1000Research</i> , 2017, 6, 1151.	1.6	134
4	Cortical complexity as a measure of age-related brain atrophy. <i>NeuroImage</i> , 2016, 134, 617-629.	4.2	122
5	Teaching the science of learning. <i>Cognitive Research: Principles and Implications</i> , 2018, 3, 2.	2.0	114
6	Test-retest reliability of brain morphology estimates. <i>Brain Informatics</i> , 2017, 4, 107-121.	3.0	96
7	Accelerating the Evolution of Nonhuman Primate Neuroimaging. <i>Neuron</i> , 2020, 105, 600-603.	8.1	92
8	Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. <i>Psychological Bulletin</i> , 2020, 146, 451-479.	6.1	87
9	Using actions to enhance memory: effects of enactment, gestures, and exercise on human memory. <i>Frontiers in Psychology</i> , 2012, 3, 507.	2.1	82
10	Building a memory palace in minutes: Equivalent memory performance using virtual versus conventional environments with the Method of Loci. <i>Acta Psychologica</i> , 2012, 141, 380-390.	1.5	81
11	Predicting age from cortical structure across the lifespan. <i>European Journal of Neuroscience</i> , 2018, 47, 399-416.	2.6	79
12	Remembering the best and worst of times: Memories for extreme outcomes bias risky decisions. <i>Psychonomic Bulletin and Review</i> , 2014, 21, 629-636.	2.8	73
13	Amygdala subnuclei response and connectivity during emotional processing. <i>NeuroImage</i> , 2016, 133, 98-110.	4.2	73
14	Motor imagery and higher-level cognition: four hurdles before research can sprint forward. <i>Cognitive Processing</i> , 2012, 13, 211-229.	1.4	65
15	Emotional arousal does not enhance association-memory. <i>Journal of Memory and Language</i> , 2012, 66, 695-716.	2.1	62
16	A multi-disciplinary perspective on emergent and future innovations in peer review. <i>F1000Research</i> , 2017, 6, 1151.	1.6	62
17	Neuromarketing: the next step in market research?. <i>Eureka</i> , 2010, 1, 34-42.	0.1	59
18	Extreme Outcomes Sway Risky Decisions from Experience. <i>Journal of Behavioral Decision Making</i> , 2014, 27, 146-156.	1.7	58

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19	The influence of item properties on association-memory. <i>Journal of Memory and Language</i> , 2010, 63, 46-63.	2.1	57
20	Creating 3D visualizations of MRI data: A brief guide. <i>F1000Research</i> , 2015, 4, 466.	1.6	54
21	Emotional arousal impairs association-memory: Roles of amygdala and hippocampus. <i>NeuroImage</i> , 2017, 156, 14-28.	4.2	53
22	Age differences in head motion and estimates of cortical morphology. <i>PeerJ</i> , 2018, 6, e5176.	2.0	52
23	Same data, different conclusions: Radical dispersion in empirical results when independent analysts operationalize and test the same hypothesis. <i>Organizational Behavior and Human Decision Processes</i> , 2021, 165, 228-249.	2.5	51
24	Is the enhancement of memory due to reward driven by value or salience?. <i>Acta Psychologica</i> , 2012, 139, 343-349.	1.5	48
25	Mindcontrol: A web application for brain segmentation quality control. <i>NeuroImage</i> , 2018, 170, 365-372.	4.2	47
26	Visual Complexity and Affect: Ratings Reflect More Than Meets the Eye. <i>Frontiers in Psychology</i> , 2017, 8, 2368.	2.1	47
27	Priming memories of past wins induces risk seeking.. <i>Journal of Experimental Psychology: General</i> , 2015, 144, 24-29.	2.1	46
28	Positive emotion enhances association-memory.. <i>Emotion</i> , 2019, 19, 733-740.	1.8	45
29	Involvement of hippocampal subfields and anterior-posterior subregions in encoding and retrieval of item, spatial, and associative memories: Longitudinal versus transverse axis. <i>NeuroImage</i> , 2019, 191, 568-586.	4.2	43
30	Journal of Open Source Software (JOSS): design and first-year review. <i>PeerJ Computer Science</i> , 2018, 4, e147.	4.5	42
31	Rapid makes risky: Time pressure increases risk seeking in decisions from experience. <i>Journal of Cognitive Psychology</i> , 2015, 27, 921-928.	0.9	41
32	Motor imagery, performance and motor rehabilitation. <i>Progress in Brain Research</i> , 2018, 240, 141-159.	1.4	39
33	Age-related differences in the structural complexity of subcortical and ventricular structures. <i>Neurobiology of Aging</i> , 2017, 50, 87-95.	3.1	35
34	Reward context determines risky choice in pigeons and humans. <i>Biology Letters</i> , 2014, 10, 20140451.	2.3	34
35	Encoding the world around us: Motor-related processing influences verbal memory. <i>Consciousness and Cognition</i> , 2012, 21, 1563-1570.	1.5	33
36	Word Imageability Enhances Association-memory by Increasing Hippocampal Engagement. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1522-1538.	2.3	32

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37	Age-related decrements in cortical gyrification: Evidence from an accelerated longitudinal dataset. <i>European Journal of Neuroscience</i> , 2021, 53, 1661-1671.	2.6	32
38	Perception of dynamic Glass patterns. <i>Vision Research</i> , 2012, 72, 55-62.	1.4	31
39	Robust estimation of sulcal morphology. <i>Brain Informatics</i> , 2019, 6, 5.	3.0	30
40	Advances in Studying Brain Morphology: The Benefits of Open-Access Data. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 405.	2.0	29
41	Shock and awe: Distinct effects of taboo words on lexical decision and free recall. <i>Quarterly Journal of Experimental Psychology</i> , 2017, 70, 793-810.	1.1	27
42	The Role of Memory in Distinguishing Risky Decisions from Experience and Description. <i>Quarterly Journal of Experimental Psychology</i> , 2017, 70, 2048-2059.	1.1	27
43	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021, 109, 1769-1775.	8.1	27
44	High Reward Makes Items Easier to Remember, but Harder to Bind to a New Temporal Context. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 61.	2.1	25
45	Cortical Complexity in Anorexia Nervosa: A Fractal Dimension Analysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 833.	2.4	25
46	Exploring word memorability: How well do different word properties explain item free-recall probability?. <i>Psychonomic Bulletin and Review</i> , 2021, 28, 583-595.	2.8	25
47	Living near the edge: How extreme outcomes and their neighbors drive risky choice.. <i>Journal of Experimental Psychology: General</i> , 2018, 147, 1905-1918.	2.1	24
48	Motivated Cognition: Effects of Reward, Emotion, and Other Motivational Factors Across a Variety of Cognitive Domains. <i>Collabra: Psychology</i> , 2017, 3, .	1.8	24
49	Introducing TAMl: An Objective Test of Ability in Movement Imagery. <i>Journal of Motor Behavior</i> , 2013, 45, 153-166.	0.9	23
50	Getting a grip on sensorimotor effects in lexical semantic processing. <i>Behavior Research Methods</i> , 2019, 51, 1-13.	4.0	22
51	Deliberate Practice in Simulation-Based Surgical Skills Training: A Scoping Review. <i>Journal of Surgical Education</i> , 2021, 78, 1328-1339.	2.5	20
52	Scan Once, Analyse Many: Using Large Open-Access Neuroimaging Datasets to Understand the Brain. <i>Neuroinformatics</i> , 2022, 20, 109-137.	2.8	20
53	Augmented memory: a survey of the approaches to remembering more. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 30.	2.5	18
54	Effects of winning cues and relative payout on choice between simulated slot machines. <i>Addiction</i> , 2020, 115, 1719-1727.	3.3	17

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55	Investigating the effects of healthy cognitive aging on brain functional connectivity using 4.7T resting-state functional magnetic resonance imaging. <i>Brain Structure and Function</i> , 2021, 226, 1067-1098.	2.3	15
56	Science of Learning Strategy Series: Article 1, Distributed Practice. <i>Journal of Continuing Education in the Health Professions</i> , 2021, 41, 59-62.	1.3	15
57	Improving the TAMI for use with athletes. <i>Journal of Sports Sciences</i> , 2014, 32, 1351-1356.	2.0	14
58	A multi-disciplinary perspective on emergent and future innovations in peer review. <i>F1000Research</i> , 0, 6, 1151.	1.6	14
59	Shape-related characteristics of age-related differences in subcortical structures. <i>Aging and Mental Health</i> , 2019, 23, 800-810.	2.8	13
60	Exploring the Facets of Emotional Episodic Memory: Remembering "What," "When," and "Which". <i>Psychological Science</i> , 2021, 32, 1104-1114.	3.3	13
61	Noncontact measurement of emotional and physiological changes in heart rate from a webcam. <i>Psychophysiology</i> , 2018, 55, e13005.	2.4	12
62	Cortical complexity estimation using fractal dimension: A systematic review of the literature on clinical and nonclinical samples. <i>European Journal of Neuroscience</i> , 2022, 55, 1547-1583.	2.6	12
63	Toward a common theory for learning from reward, affect, and motivation: the SIMON framework. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 59.	2.5	11
64	Temporal summation of global form signals in dynamic Glass patterns. <i>Vision Research</i> , 2015, 107, 30-35.	1.4	11
65	Comparative inspiration: From puzzles with pigeons to novel discoveries with humans in risky choice. <i>Behavioural Processes</i> , 2019, 160, 10-19.	1.1	11
66	Visualizing and quantifying movement from pre-recorded videos: The spectral time-lapse (STL) algorithm. <i>F1000Research</i> , 2014, 3, 19.	1.6	11
67	Manipulability impairs association-memory: Revisiting effects of incidental motor processing on verbal paired-associates. <i>Acta Psychologica</i> , 2014, 149, 45-51.	1.5	10
68	Multiple cue use and integration in pigeons (<i>Columba livia</i>). <i>Animal Cognition</i> , 2016, 19, 581-591.	1.8	10
69	Structural complexity is negatively associated with brain activity: a novel multimodal test of compensation theories of aging. <i>Neurobiology of Aging</i> , 2021, 98, 185-196.	3.1	10
70	Semi-automated transcription and scoring of autobiographical memory narratives. <i>Behavior Research Methods</i> , 2021, 53, 507-517.	4.0	10
71	Perception of complex motion in humans and pigeons (<i>Columba livia</i>). <i>Experimental Brain Research</i> , 2014, 232, 1843-1853.	1.5	9
72	ERPs Differentially Reflect Automatic and Deliberate Processing of the Functional Manipulability of Objects. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 360.	2.0	9

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73	Tool selection and the ventralâ€dorsal organization of toolâ€related knowledge. <i>Physiological Reports</i> , 2017, 5, e13078.	1.7	9
74	Handedness effects of imagined fine motor movements. <i>Laterality</i> , 2018, 23, 228-248.	1.0	9
75	Reduced associative memory for negative information: impact of confidence and interactive imagery during study. <i>Cognition and Emotion</i> , 2019, 33, 1745-1753.	2.0	9
76	Affect enhances object-background associations: evidence from behaviour and mathematical modelling. <i>Cognition and Emotion</i> , 2020, 34, 960-969.	2.0	9
77	Science of Learning Strategy Series: Article 2, Retrieval Practice. <i>Journal of Continuing Education in the Health Professions</i> , 2021, 41, 119-123.	1.3	9
78	A brief primer on the PhD supervision relationship. <i>European Journal of Neuroscience</i> , 2021, 54, 5229-5234.	2.6	9
79	Mu oscillations and motor imagery performance: A reflection of intra-individual success, not inter-individual ability. <i>Human Movement Science</i> , 2021, 78, 102819.	1.4	9
80	Cue integration in spatial search for jointly learned landmarks but not for separately learned landmarks.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2017, 43, 1857-1871.	0.9	9
81	Practice makes proficient: pigeons (<i>Columba livia</i>) learn efficient routes on full-circuit navigational traveling salesperson problems. <i>Animal Cognition</i> , 2015, 18, 53-64.	1.8	8
82	Item-properties may influence itemâ€item associations in serial recall. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 483-491.	2.8	8
83	Transfer of negative valence in an episodic memory task. <i>Cognition</i> , 2021, 217, 104874.	2.2	8
84	Rethinking the definition of episodic memory.. <i>Canadian Journal of Experimental Psychology</i> , 2020, 74, 183-192.	0.8	8
85	Negative emotion enhances memory for the sequential unfolding of a naturalistic experience.. <i>Journal of Applied Research in Memory and Cognition</i> , 2022, 11, 510-521.	1.1	8
86	Encoding Context Determines Risky Choice. <i>Psychological Science</i> , 2021, 32, 743-754.	3.3	7
87	No sex differences in the TAMI. <i>Cognitive Processing</i> , 2015, 16, 203-209.	1.4	6
88	Age-related differences in myeloarchitecture measured at 7 T. <i>Neurobiology of Aging</i> , 2020, 96, 246-254.	3.1	6
89	Editorial: Human-Nature Interactions: Perspectives on Conceptual and Methodological Issues. <i>Frontiers in Psychology</i> , 2020, 11, 607888.	2.1	6
90	Into a new decade. <i>Behavior Research Methods</i> , 2021, 53, 1-3.	4.0	6

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91	Prism: Multiple spline regression with regularization, dimensionality reduction, and feature selection. <i>Journal of Open Source Software</i> , 2016, 1, 31.	4.6	6
92	Imagining emotional events benefits future-oriented decisions. <i>Quarterly Journal of Experimental Psychology</i> , 2022, 75, 2332-2348.	1.1	6
93	Sensitivity of the avian motion system to light and dark stimuli. <i>Experimental Brain Research</i> , 2017, 235, 401-406.	1.5	5
94	Effectiveness of the method of loci is only minimally related to factors that should influence imagined navigation. <i>Quarterly Journal of Experimental Psychology</i> , 2019, 72, 2541-2553.	1.1	5
95	Value bias of verbal memory. <i>Journal of Memory and Language</i> , 2019, 107, 25-39.	2.1	5
96	How does caffeine influence memory? Drug, experimental, and demographic factors. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 525-538.	6.1	5
97	How emotion influences the details recalled in autobiographical memory. <i>Applied Cognitive Psychology</i> , 2021, 35, 1454-1465.	1.6	5
98	Sulcal characteristics patterns and gyrification gradient at different stages of Anorexia Nervosa: A structural MRI evaluation. <i>Psychiatry Research - Neuroimaging</i> , 2021, 316, 111350.	1.8	5
99	Data visualization for inference in tomographic brain imaging. <i>European Journal of Neuroscience</i> , 2020, 51, 695-705.	2.6	4
100	Cerebellar tDCS Alters the Perception of Optic Flow. <i>Cerebellum</i> , 2021, 20, 606-613.	2.5	4
101	The power of nothing: Risk preference in pigeons, but not people, is driven primarily by avoidance of zero outcomes. <i>Journal of Experimental Psychology Animal Learning and Cognition</i> , 2019, 45, 431-445.	0.5	4
102	Breathe Easy EDA: A MATLAB toolbox for psychophysiology data management, cleaning, and analysis. <i>F1000Research</i> , 2018, 7, 216.	1.6	4
103	Long-Term Connectome Analysis Reveals Reshaping of Visual, Spatial Networks in a Model With Vascular Dementia Features. <i>Stroke</i> , 2022, 53, 1735-1745.	2.0	4
104	Making Memories That Last. <i>Journal of Neuroscience</i> , 2015, 35, 10643-10644.	3.6	3
105	The effects of taboo-related distraction on driving performance. <i>Acta Psychologica</i> , 2016, 168, 20-26.	1.5	3
106	The contribution of nonrigid motion and shape information to object perception in pigeons and humans. <i>Journal of Vision</i> , 2017, 17, 17.	0.3	3
107	Prototypical actions with objects are more easily imagined than atypical actions. <i>Journal of Cognitive Psychology</i> , 2018, 30, 314-320.	0.9	3
108	Considerations for Comparing Video Game AI Agents with Humans. <i>Challenges</i> , 2020, 11, 18.	1.7	3

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109	Emotional arousal impairs association memory: roles of prefrontal cortex regions. <i>Learning and Memory</i> , 2021, 28, 76-81.	1.3	3
110	Personal values influencing career path in academic medicine: Perspectives of selected Canadian trainees. <i>F1000Research</i> , 2016, 5, 1903.	1.6	3
111	Memory rehabilitation: restorative, specific knowledge acquisition, compensatory, and holistic approaches. <i>Cognitive Processing</i> , 2022, 23, 537-557.	1.4	3
112	The effects of taboo-related distraction on driving performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 1366-1370.	0.3	2
113	Re-evaluating birds' ability to detect Glass patterns. <i>Animal Cognition</i> , 2015, 18, 945-952.	1.8	2
114	Beyond volumetry: Considering age-related changes in brain shape complexity using fractal dimensionality. <i>Aging Brain</i> , 2021, 1, 100016.	1.3	2
115	Every scientist is a memory researcher: Suggestions for making research more memorable. <i>F1000Research</i> , 2015, 4, 19.	1.6	2
116	Neuroanatomical foundations of delayed reward discounting decision making II: Evaluation of sulcal morphology and fractal dimensionality. <i>NeuroImage</i> , 2022, 257, 119309.	4.2	2
117	Special issue for cognition on social, motivational, and emotional influences on memory. <i>Cognition</i> , 2020, 205, 104464.	2.2	1
118	T2 heterogeneity as an in vivo marker of microstructural integrity in medial temporal lobe subfields in ageing and mild cognitive impairment. <i>NeuroImage</i> , 2021, 238, 118214.	4.2	1
119	Convergent and Distinct Effects of Multisensory Combination on Statistical Learning Using a Computer Glove. <i>Frontiers in Psychology</i> , 2020, 11, 599125.	2.1	1
120	Multiple statistical tests: lessons from a d20. <i>F1000Research</i> , 2016, 5, 1129.	1.6	1
121	Multiple statistical tests: Lessons from a d20. <i>F1000Research</i> , 2016, 5, 1129.	1.6	1
122	Breathe Easy EDA: A MATLAB toolbox for psychophysiology data management, cleaning, and analysis. <i>F1000Research</i> , 2018, 7, 216.	1.6	1
123	Young Adults with a Parent with Dementia Show Early Abnormalities in Brain Activity and Brain Volume in the Hippocampus: A Matched Case-Control Study. <i>Brain Sciences</i> , 2022, 12, 496.	2.3	1
124	Emotion selectively impairs associative memory. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	0
125	A systematic exploration of model-mechanisms for interactions between item- and association-memory in paired-associate learning. <i>BMC Neuroscience</i> , 2010, 11, .	1.9	0
126	Personal values influencing career path in academic medicine. <i>F1000Research</i> , 2016, 5, 1903.	1.6	0

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127	ElGateau: A Library for Using the Elgato Stream Deck for Experimental Psychology Research. Journal of Open Source Software, 2018, 3, 1070.	4.6	0
128	Investigating cognitive factors and diagnostic error in a presentation of complicated multisystem disease. Diagnosis, 2021, .	1.9	0