Miguel A Vadillo

List of Publications by Year
in descending order

119 papers	3,280 citations	172457 29 h-index	189892 50 g-index
124 all docs	124 docs citations	124 times ranked	4020 citing authors

#	Article	IF	Citations
1	Justify your alpha. Nature Human Behaviour, 2018, 2, 168-171.	12.0	310
2	The Psychological Science Accelerator: Advancing Psychology Through a Distributed Collaborative Network. Advances in Methods and Practices in Psychological Science, 2018, 1, 501-515.	9.4	203
3	Underpowered samples, false negatives, and unconscious learning. Psychonomic Bulletin and Review, 2016, 23, 87-102.	2.8	185
4	Researching Mental Health Disorders in the Era of Social Media: Systematic Review. Journal of Medical Internet Research, 2017, 19, e228.	4.3	182
5	Testing (quizzing) boosts classroom learning: A systematic and meta-analytic review.. Psychological Bulletin, 2021, 147, 399-435.	6.1	104
6	Neuromyths in Education: Prevalence among Spanish Teachers and an Exploration of Cross-Cultural Variation. Frontiers in Human Neuroscience, 2016, 10, 496.	2.0	93
7	The procedural learning deficit hypothesis of language learning disorders: we see some problems. Developmental Science, 2018, 21, e12552.	2.4	90
8	To which world regions does the valence–dominance model of social perception apply?. Nature Human Behaviour, 2021, 5, 159-169.	12.0	85
9	Illusions of causality at the heart of pseudoscience. British Journal of Psychology, 2011, 102, 392-405.	2.3	84
10	Illusions of causality: how they bias our everyday thinking and how they could be reduced. Frontiers in Psychology, 2015, 6, 888.	2.1	84
11	The Bitter Truth About Sugar and Willpower. Psychological Science, 2016, 27, 1207-1214.	3.3	73
12	A systematic review and meta-analysis of the effects of transcranial direct current stimulation (tDCS) on episodic memory. Brain Stimulation, 2019, 12, 231-241.	1.6	71
13	Predictions and causal estimations are not supported by the same associative structure. Quarterly Journal of Experimental Psychology, 2007, 60, 433-447.	1.1	68
14	Making the Uncontrollable Seem Controllable: the Role of Action in the Illusion of Control. Quarterly Journal of Experimental Psychology, 2011, 64, 1290-1304.	1.1	68
15	Illusion of Control. Experimental Psychology, 2014, 61, 38-47.	0.7	65
16	Romance, risk, and replication: Can consumer choices and risk-taking be primed by mating motives?. Journal of Experimental Psychology: General, 2015, 144, e142-e158.	2.1	64
17	Does Mindfulness Meditation Training Enhance Executive Control? A Systematic Review and Meta-Analysis of Randomized Controlled Trials in Adults. Mindfulness, 2020, 11, 411-424.	2.8	59
18	Interactive effects of the probability of the cue and the probability of the outcome on the overestimation of null contingency. Learning and Behavior, 2013, 41, 333-340.	1.0	52

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19	Learned predictiveness influences rapid attentional capture: Evidence from the dot probe task.. Journal of Experimental Psychology: Learning Memory and Cognition, 2013, 39, 1888-1900.	0.9	50
20	Registered Replication Report: Dijksterhuis and van Knippenberg (1998). Perspectives on Psychological Science, 2018, 13, 268-294.	9.0	46
21	Unconscious or underpowered? Probabilistic cuing of visual attention.. Journal of Experimental Psychology: General, 2020, 149, 160-181.	2.1	46
22	Selection bias, vote counting, and money-priming effects: A comment on Rohrer, Pashler, and Harris (2015) and Vohs (2015).. Journal of Experimental Psychology: General, 2016, 145, 655-663.	2.1	42
23	The effects of transcranial direct current stimulation on objective and subjective indexes of exercise performance: A systematic review and meta-analysis. Brain Stimulation, 2019, 12, 242-250.	1.6	42
24	Causal and predictive-value judgments, but not predictions, are based on cue-outcome contingency. Learning and Behavior, 2005, 33, 172-183.	3.4	39
25	Measuring Software Timing Errors in the Presentation of Visual Stimuli in Cognitive Neuroscience Experiments. PLoS ONE, 2014, 9, e85108.	2.5	39
26	Illusion of Control in Internet Users and College Students. Cyberpsychology, Behavior and Social Networking, 2007, 10, 176-181.	2.2	35
27	Depressive Realism: Wiser or Quieter?. Psychological Record, 2009, 59, 551-562.	0.9	35
28	Pre-exposure of repeated search configurations facilitates subsequent contextual cuing of visual search.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 348-362.	0.9	34
29	Mediating Role of Activity Level in the Depressive Realism Effect. PLoS ONE, 2012, 7, e46203.	2.5	30
30	Prediction and Uncertainty in Associative Learning: Examining Controlled and Automatic Components of Learned Attentional Biases. Quarterly Journal of Experimental Psychology, 2017, 70, 1485-1503.	1.1	26
31	Searching for the bottom of the ego well: failure to uncover ego depletion in Many Labs 3. Royal Society Open Science, 2018, 5, 180390.	2.4	26
32	A simple algorithm for the offline recalibration of eye-tracking data through best-fitting linear transformation. Behavior Research Methods, 2015, 47, 1365-1376.	4.0	25
33	The internet as a research tool in the study of associative learning: An example from overshadowing. Behavioural Processes, 2006, 73, 36-40.	1.1	23
34	The effectiveness of refutation texts to correct misconceptions among educators.. Journal of Experimental Psychology: Applied, 2020, 26, 411-421.	1.2	22
35	Accuracy and Precision of Visual Stimulus Timing in PsychoPy: No Timing Errors in Standard Usage. PLoS ONE, 2014, 9, e112033.	2.5	22
36	Please don't stop the music: A meta-analysis of the cognitive and academic benefits of instrumental musical training in childhood and adolescence. Educational Research Review, 2022, 35, 100436.	7.8	21

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37	The role of cue information in the outcome-density effect: evidence from neural network simulations and a causal learning experiment. Connection Science, 2010, 22, 177-192.	3.0	20
38	Presentation Accuracy of the Web Revisited: Animation Methods in the HTML5 Era. PLoS ONE, 2014, 9, e109812.	2.5	20
39	Mental Fatigue Might Be Not So Bad for Exercise Performance After All: A Systematic Review and Bias-Sensitive Meta-Analysis. Journal of Cognition, 2020, 3, 38.	1.4	20
40	Contrasting cue-density effects in causal and prediction judgments. Psychonomic Bulletin and Review, 2011, 18, 110-115.	2.8	19
41	Content and source analysis of popular tweets following a recent case of diphtheria in Spain. European Journal of Public Health, 2019, 29, 117-122.	0.3	18
42	Short Article: Backward Blocking: The Role of Within-Compound Associations and Interference between Cues Trained Apart. Quarterly Journal of Experimental Psychology, 2008, 61, 185-193.	1.1	17
43	Collaborative design of a decision aid for stroke survivors with multimorbidity: a qualitative study in the UK engaging key stakeholders. BMJ Open, 2019, 9, e030385.	1.9	17
44	An Attempt to Correct Erroneous Ideas Among Teacher Education Students: The Effectiveness of Refutation Texts. Frontiers in Psychology, 2020, 11, 577738.	2.1	17
45	Does mental fatigue impair physical performance? A replication study. European Journal of Sport Science, 2021, 21, 762-770.	2.7	17
46	Raising awareness about measurement error in research on unconscious mental processes. Psychonomic Bulletin and Review, 2022, 29, 21-43.	2.8	17
47	Can the Unconscious Boost Lie-Detection Accuracy?. Current Directions in Psychological Science, 2016, 25, 246-250.	5.3	16
48	Deep Learning With Anaphora Resolution for the Detection of Tweeters With Depression: Algorithm Development and Validation Study. JMIR Mental Health, 2021, 8, e19824.	3.3	16
49	Ego Depletion May Disappear by 2020. Social Psychology, 2019, 50, 282-291.	0.7	16
50	A critical review and meta-analysis of the unconscious thought effect in medical decision making. Frontiers in Psychology, 2015, 6, 636.	2.1	15
51	Is project-based learning effective among kindergarten and elementary students? A systematic review. PLoS ONE, 2021, 16, e0249627.	2.5	15
52	Correlation analysis to investigate unconscious mental processes: A critical appraisal and mini-tutorial. Cognition, 2021, 212, 104667.	2.2	15
53	Situational factors shape moral judgements in the trolley dilemma in Eastern, Southern and Western countries in a culturally diverse sample. Nature Human Behaviour, 2022, 6, 880-895.	12.0	15
54	Temporal contexts: Filling the gap between episodic memory and associative learning.. Journal of Experimental Psychology: General, 2011, 140, 660-673.	2.1	14

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55	Revisiting the role of within-compound associations in cue-interaction phenomena. Learning and Behavior, 2013, 41, 61-76.	1.0	14
56	The blocking effect in associative learning involves learned biases in rapid attentional capture. Quarterly Journal of Experimental Psychology, 2018, 71, 522-544.	1.1	14
57	Are we truly special and unique? A replication of Goldenberg et al. (2001). Royal Society Open Science, 2019, 6, 191114.	2.4	14
58	A valid evaluation of the theory of multiple intelligences is not yet possible: Problems of methodological quality for intervention studies. Intelligence, 2021, 88, 101566.	3.0	14
59	Single- and Dual-Process Models of Biased Contingency Detection. Experimental Psychology, 2016, 63, 3-19.	0.7	14
60	Overt attention in contextual cuing of visual search is driven by the attentional set, but not by the predictiveness of distractors.. Journal of Experimental Psychology: Learning Memory and Cognition, 2018, 44, 707-721.	0.9	14
61	Frequency of judgment as a context-like determinant of predictive judgments. Memory and Cognition, 2004, 32, 1065-1075.	1.6	13
62	Learning in virtual environments: Some discrepancies between laboratory- and Internet-based research on associative learning. Computers in Human Behavior, 2009, 25, 402-406.	8.5	13
63	Augmentation in contingency learning under time pressure. British Journal of Psychology, 2010, 101, 579-589.	2.3	13
64	Detecting and Treating Mental Illness on Social Networks. , 2017, , .		13
65	Flexibility in reaction time analysis: many roads to a false positive?. Royal Society Open Science, 2020, 7, 190831.	2.4	13
66	The Challenge of Inferring Unconscious Mental Processes. Experimental Psychology, 2021, 68, 113-129.	0.7	13
67	Contingency is used to prepare for outcomes: Implications for a functional analysis of learning. Psychonomic Bulletin and Review, 2010, 17, 117-121.	2.8	12
68	Inferring Others' Hidden Thoughts: Smart Guesses in a Low Diagnostic World. Journal of Behavioral Decision Making, 2016, 29, 539-549.	1.7	12
69	The evidential value of research on cognitive training to change food‐related biases and unhealthy eating behavior: A systematic review and <i>p</i>‐curve analysis. Obesity Reviews, 2021, 22, e13338.	6.5	12
70	Recency-to-primacy shift in cue competition.. Journal of Experimental Psychology, 2006, 32, 396-406.	1.7	11
71	Web-based experiment control software for research and teaching on human learning. Behavior Research Methods, 2007, 39, 689-693.	4.0	11
72	Probabilistic cuing of visual search: Neither implicit nor inflexible.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 1222-1234.	0.9	11

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73	Fighting the illusion of control: How to make use of cue competition and alternative explanations. Universitas Psychologica, 2013, 12, 261-270.	0.6	10
74	â€œBrain-Doping,â€•Is It a Real Threat?. Frontiers in Physiology, 2019, 10, 483.	2.8	10
75	Incidental Attitude Formation via the Surveillance Task: A Preregistered Replication of the Olson and Fazio (2001) Study. Psychological Science, 2021, 32, 120-131.	3.3	10
76	Ambiguity produces attention shifts in category learning. Learning and Memory, 2016, 23, 134-140.	1.3	9
77	Is crossed laterality associated with academic achievement and intelligence? A systematic review and meta-analysis. PLoS ONE, 2017, 12, e0183618.	2.5	9
78	Persistence of Causal Illusions After Extensive Training. Frontiers in Psychology, 2019, 10, 24.	2.1	9
79	Further evidence on the validity of web-based research on associative learning: Augmentation in a predictive learning task. Computers in Human Behavior, 2011, 27, 750-754.	8.5	8
80	Is the habit system altered in individuals with obesity? A systematic review. Neuroscience and Biobehavioral Reviews, 2021, 128, 621-632.	6.1	8
81	Configural learning in contextual cuing of visual search.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1173-1185.	0.9	8
82	Concurrent working memory load may increase or reduce cognitive interference depending on the attentional set.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 667-680.	0.9	8
83	Learned predictiveness acquired through experience prevails over the influence of conflicting verbal instructions in rapid selective attention. PLoS ONE, 2018, 13, e0200051.	2.5	7
84	Retrieval-induced forgetting and interference between cues: Training a cueâ€"outcome association attenuates retrieval by alternative cues. Behavioural Processes, 2013, 94, 19-25.	1.1	6
85	The role of outcome inhibition in interference between outcomes: A contingencyâ€learning analogue of retrievalâ€induced forgetting. British Journal of Psychology, 2013, 104, 167-180.	2.3	6
86	Predicting Social Network Users with Depression from Simulated Temporal Data. , 2019, , .		6
87	Ignored visual context does not induce latent learning. Psychonomic Bulletin and Review, 2020, 27, 512-519.	2.8	6
88	Do Incidental Environmental Anchors Bias Consumersâ€™ Price Estimations?. Collabra: Psychology, 2020, 6, .	1.8	6
89	Slower reacquisition after partial extinction in human contingency learning.. Journal of Experimental Psychology: Learning Memory and Cognition, 2017, 43, 81-93.	0.9	5
90	Testing the controllability of contextual cuing of visual search. Scientific Reports, 2017, 7, 39645.	3.3	5

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91	There is more to contextual cuing than meets the eye: Improving visual search without attentional guidance toward predictable target locations.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 116-120.	0.9	5
92	Modeling Depression Symptoms from Social Network Data through Multiple Instance Learning. AMIA Summits on Translational Science Proceedings, 2019, 2019, 44-53.	0.4	5
93	Overshadowed cues have reduced ability to retroactively interfere with other cues. Learning and Motivation, 2008, 39, 313-322.	1.2	4
94	A comparator-hypothesis account of biased contingency detection. Behavioural Processes, 2018, 154, 45-51.	1.1	4
95	The procedural deficit hypothesis of language learning disorders: We still see some serious problems. Developmental Science, 2019, 22, e12813.	2.4	4
96	Social media big data analysis for mental health research. , 2022, , 109-143.		4
97	Backward versus Forward Blocking: Evidence for Performance-Based Models of Human Contingency Learning. Psychological Reports, 2011, 109, 1001-1016.	1.7	3
98	Outcome probability modulates anticipatory behavior to signals that are equally reliable. Adaptive Behavior, 2014, 22, 207-216.	1.9	3
99	The effect of noise-induced variance on parameter recovery from reaction times. BMC Bioinformatics, 2016, 17, 147.	2.6	3
100	Still no evidence that risk-taking and consumer choices can be primed by mating motives: Reply to Sundie, Beal, Neuberg, and Kenrick (2019).. Journal of Experimental Psychology: General, 2019, 148, e12-e22.	2.1	3
101	Debiasing Causal Inferences: Over and Beyond Suboptimal Sampling. Teaching of Psychology, 2023, 50, 230-236.	1.2	3
102	Publication bias and low power in field studies on goal priming. Royal Society Open Science, 2021, 8, 210544.	2.4	3
103	The Proust effect and the evolution of a dual learning system. Behavioral and Brain Sciences, 2009, 32, 215-216.	0.7	2
104	Contextual cuing of visual search does not guide attention automatically in the presence of top-down goals.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 1080-1090.	0.9	2
105	ASSOCIATIVE AND CONNECTIONIST ACCOUNTS OF BIASED CONTINGENCY DETECTION IN HUMANS. , 2008, , .		2
106	Two Heads Are Better Than One, but How Much?. Experimental Psychology, 2014, 61, 356-367.	0.7	2
107	Is probabilistic cuing of visual search an inflexible attentional habit? A meta-analytic review. Psychonomic Bulletin and Review, 2022, 29, 521-529.	2.8	2
108	The role of working memory in contextual cueing of visual attention. Cortex, 2022, 154, 287-298.	2.4	2

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109	Benefits and Pitfalls of Using HTML5 APIs for Online Experiments and Simulations. International Journal of Online and Biomedical Engineering, 2012, 8, 20.	1.4	1
110	Evidence for an illusion of causality when using the Implicit Association Test to measure learning. Learning and Motivation, 2013, 44, 303-311.	1.2	1
111	Dissociations among judgments do not reflect cognitive priority: An associative explanation of memory for frequency information in contingency learning.. Canadian Journal of Experimental Psychology, 2013, 67, 60-71.	0.8	1
112	Causal Learning and Illusions of Control. , 2012, , 523-526.		1
113	Metronome LKM: An open source virtual keyboard driver to measure experiment software latencies. Behavior Research Methods, 2017, 49, 1686-1695.	4.0	0
114	Changes in Cue Configuration Reduce the Impact of Interfering Information in a Predictive Learning Task. Frontiers in Psychology, 2016, 7, 2050.	2.1	0
115	Commentary: Can Ordinary People Detect Deception after All?. Frontiers in Psychology, 2017, 8, 1789.	2.1	0
116	Web-Based Experiment Control for Research on Human Learning. , 2012, , 3450-3453.		0
117	Contingency. , 2017, , 1-3.		0
118	The Web as a Platform for e-Research in the Social and Behavioral Sciences. , 0, , 34-61.		0
119	Contingency. , 2022, , 1663-1665.		0