

Zoltan Dienes

List of Publications by Year in descending order

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Version: 2024-02-01

159
papers

11,622
citations

53794

45
h-index

31849

101
g-index

190
all docs

190
docs citations

190
times ranked

10580
citing authors

#	ARTICLE	IF	CITATIONS
1	Redefine statistical significance. <i>Nature Human Behaviour</i> , 2018, 2, 6-10.	12.0	1,763
2	Using Bayes to get the most out of non-significant results. <i>Frontiers in Psychology</i> , 2014, 5, 781.	2.1	1,413
3	Bayesian Versus Orthodox Statistics: Which Side Are You On?. <i>Perspectives on Psychological Science</i> , 2011, 6, 274-290.	9.0	748
4	A theory of implicit and explicit knowledge. <i>Behavioral and Brain Sciences</i> , 1999, 22, 735-808.	0.7	637
5	Measuring consciousness: relating behavioural and neurophysiological approaches. <i>Trends in Cognitive Sciences</i> , 2008, 12, 314-321.	7.8	303
6	Implicit and explicit knowledge bases in artificial grammar learning.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1991, 17, 875-887.	0.9	294
7	How Bayes factors change scientific practice. <i>Journal of Mathematical Psychology</i> , 2016, 72, 78-89.	1.8	279
8	Measuring unconscious knowledge: distinguishing structural knowledge and judgment knowledge. <i>Psychological Research</i> , 2005, 69, 338-351.	1.7	275
9	Do fielders know where to go to catch the ball or only how to get there?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1996, 22, 531-543.	0.9	267
10	Implicit learning: Below the subjective threshold. <i>Psychonomic Bulletin and Review</i> , 1997, 4, 3-23.	2.8	258
11	Unconscious knowledge of artificial grammars is applied strategically.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1995, 21, 1322-1338.	0.9	248
12	Four reasons to prefer Bayesian analyses over significance testing. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 207-218.	2.8	240
13	Modality independence of implicitly learned grammatical knowledge.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1995, 21, 899-912.	0.9	187
14	Improving Inferences About Null Effects With Bayes Factors and Equivalence Tests. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 45-57.	3.9	175
15	Gambling on the unconscious: A comparison of wagering and confidence ratings as measures of awareness in an artificial grammar task. <i>Consciousness and Cognition</i> , 2010, 19, 674-681.	1.5	138
16	Filtering by movement in visual search.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1991, 17, 55-64.	0.9	136
17	Subjective measures of unconscious knowledge. <i>Progress in Brain Research</i> , 2007, 168, 49-269.	1.4	128
18	Connectionist and Memory-Array Models of Artificial Grammar Learning. <i>Cognitive Science</i> , 1992, 16, 41-79.	1.7	126

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19	Measures of metacognition on signal-detection theoretic models.. Psychological Methods, 2013, 18, 535-552.	3.5	120
20	Registered Reports: Realigning incentives in scientific publishing. Cortex, 2015, 66, A1-A2.	2.4	115
21	Using Bayes factors for testing hypotheses about intervention effectiveness in addictions research. Addiction, 2016, 111, 2230-2247.	3.3	111
22	Levels of processing for visual stimuli in an "extinguished" field. Neuropsychologia, 1992, 30, 403-415.	1.6	103
23	Motion coherence and conjunction search: Implications for guided search theory. Perception & Psychophysics, 1992, 51, 79-85.	2.3	96
24	The conscious, the unconscious, and familiarity.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 1264-1288.	0.9	88
25	Role of specific instances in controlling a dynamic system.. Journal of Experimental Psychology: Learning Memory and Cognition, 1995, 21, 848-862.	0.9	84
26	Running to catch the ball. Nature, 1993, 362, 23-23.	27.8	82
27	The relationship between implicit memory and implicit learning. British Journal of Psychology, 1991, 82, 359-373.	2.3	76
28	Can musical transformations be implicitly learned?. Cognitive Science, 2004, 28, 531-558.	1.7	76
29	Implicit Learning of Nonlocal Musical Rules: Implicitly Learning More Than Chunks.. Journal of Experimental Psychology: Learning Memory and Cognition, 2005, 31, 1417-1432.	0.9	76
30	Implicit sequence learning and conscious awareness. Consciousness and Cognition, 2008, 17, 185-202.	1.5	76
31	Understanding hypnosis metacognitively: rTMS applied to left DLPFC increases hypnotic suggestibility. Cortex, 2013, 49, 386-392.	2.4	75
32	Effect of mindfulness meditation on brain-computer interface performance. Consciousness and Cognition, 2014, 23, 12-21.	1.5	73
33	How Do I Know What My Theory Predicts?. Advances in Methods and Practices in Psychological Science, 2019, 2, 364-377.	9.4	71
34	How to Catch a Cricket Ball. Perception, 1993, 22, 1427-1439.	1.2	70
35	Increased neural responses to unfairness in a loss context. NeuroImage, 2013, 77, 246-253.	4.2	70
36	Mapping across Domains Without Feedback: A Neural Network Model of Transfer of Implicit Knowledge. Cognitive Science, 1999, 23, 53-82.	1.7	67

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37	Transfer of implicit knowledge across domains: How implicit and how abstract?. , 1997, , 107-123.		65
38	Hypnotic suggestibility, cognitive inhibition, and dissociation. Consciousness and Cognition, 2009, 18, 837-847.	1.5	64
39	Toward a unified fielder theory: What we do not yet know about how people run to catch a ball.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 1347-1355.	0.9	58
40	Grapheme-colour synaesthesia improves detection of embedded shapes, but without pre-attentive "pop-out" of synaesthetic colour. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1021-1026.	2.6	57
41	Knowledge applied to new domains: The unconscious succeeds where the conscious fails. Consciousness and Cognition, 2010, 19, 391-398.	1.5	56
42	Developmental aspects of consciousness: How much theory of mind do you need to be consciously aware?. Consciousness and Cognition, 2003, 12, 63-82.	1.5	54
43	How Bayesian statistics are needed to determine whether mental states are unconscious. , 2015, , 199-220.		54
44	The generalized optic acceleration cancellation theory of catching.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 139-148.	0.9	53
45	Can unconscious knowledge allow control in sequence learning?. Consciousness and Cognition, 2010, 19, 462-474.	1.5	53
46	Implicit knowledge and motor skill: What people who know how to catch don't know. Consciousness and Cognition, 2010, 19, 63-76.	1.5	51
47	How fielders arrive in time to catch the ball. Nature, 2003, 426, 244-245.	27.8	48
48	Computational Models of Implicit Learning. , 2001, , 396-421.		47
49	<i>Blind Insight</i>: Metacognitive Discrimination Despite Chance Task Performance. Psychological Science, 2014, 25, 2199-2208.	3.3	47
50	Intentional control based on familiarity in artificial grammar learning. Consciousness and Cognition, 2008, 17, 1209-1218.	1.5	42
51	Empathic neural responses to others' pain depend on monetary reward. Social Cognitive and Affective Neuroscience, 2012, 7, 535-541.	3.0	41
52	Subliminal understanding of negation: Unconscious control by subliminal processing of word pairs. Consciousness and Cognition, 2013, 22, 1022-1040.	1.5	41
53	Two ways of learning associations. Cognitive Science, 2003, 27, 807-842.	1.7	40
54	Unconscious structural knowledge of form-meaning connections. Consciousness and Cognition, 2011, 20, 1751-1760.	1.5	40

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55	The Role of Implicit Memory in Controlling a Dynamic System. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1998, 51, 593-614.	2.3	39
56	Using Bayes factors to evaluate evidence for no effect: examples from the SIPS project. Addiction, 2018, 113, 240-246.	3.3	39
57	How does Prior Knowledge Affect Implicit and Explicit Concept Learning?. Quarterly Journal of Experimental Psychology, 2008, 61, 601-624.	1.1	37
58	Measuring any conscious content versus measuring the relevant conscious content: Comment on Sandberg et al.. Consciousness and Cognition, 2010, 19, 1079-1080.	1.5	37
59	Exposure to violence reduces empathetic responses to other's pain. Brain and Cognition, 2013, 82, 187-191.	1.8	34
60	Unconscious structural knowledge of tonal symmetry: Tang poetry redefines limits of implicit learning. Consciousness and Cognition, 2012, 21, 476-486.	1.5	33
61	Implicit Learning of Recursive Context-Free Grammars. PLoS ONE, 2012, 7, e45885.	2.5	33
62	Role of selective attention in artificial grammar learning. Psychonomic Bulletin and Review, 2008, 15, 1154-1159.	2.8	32
63	Prevailing theories of consciousness are challenged by novel cross-modal associations acquired between subliminal stimuli. Cognition, 2018, 175, 169-185.	2.2	32
64	The optic trajectory is not a lot of use if you want to catch the ball.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 1499-1501.	0.9	31
65	Discussion points for Bayesian inference. Nature Human Behaviour, 2020, 4, 561-563.	12.0	31
66	Learning without consciously knowing: Evidence from event-related potentials in sequence learning. Consciousness and Cognition, 2013, 22, 22-34.	1.5	28
67	Subjective measures of unconscious knowledge of concepts. Mind and Society, 2006, 5, 105-122.	1.3	26
68	Fluency does not express implicit knowledge of artificial grammars. Cognition, 2010, 114, 372-388.	2.2	26
69	Acquisition of conscious and unconscious knowledge of semantic prosody. Consciousness and Cognition, 2011, 20, 417-425.	1.5	26
70	Metacognition of intentions in mindfulness and hypnosis. Neuroscience of Consciousness, 2016, 2016, niw007.	2.6	26
71	Measuring Learning using an Untrained Control Group: Comment on R. Reber and Perruchet. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2003, 56, 117-123.	2.3	25
72	Conscious and unconscious thought in artificial grammar learning. Consciousness and Cognition, 2012, 21, 865-874.	1.5	25

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73	Negative Affect Reduces Performance in Implicit Sequence Learning. PLoS ONE, 2013, 8, e54693.	2.5	25
74	Commentary: Oxytocin-gaze positive loop and the coevolution of humanâ€“dog bonds. Frontiers in Neuroscience, 2016, 10, 155.	2.8	25
75	Cross cultural differences in unconscious knowledge. Cognition, 2012, 124, 16-24.	2.2	24
76	Learning non-local dependencies. Cognition, 2008, 106, 184-206.	2.2	23
77	Temporal constraints of the word blindness posthypnotic suggestion on Stroop task performance.. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 833-837.	0.9	23
78	Differences in the types of musical regularity learnt in incidental- and intentional-learning conditions. Quarterly Journal of Experimental Psychology, 2006, 59, 1725-1744.	1.1	22
79	Whether others were treated equally affects neural responses to unfairness in the Ultimatum Game. Social Cognitive and Affective Neuroscience, 2015, 10, 461-466.	3.0	22
80	Intentional binding as Bayesian cue combination: Testing predictions with trait individual differences.. Journal of Experimental Psychology: Human Perception and Performance, 2019, 45, 1206-1217.	0.9	22
81	The Sense of Agency as Tracking Control. PLoS ONE, 2016, 11, e0163892.	2.5	22
82	Prior familiarity with components enhances unconscious learning of relations. Consciousness and Cognition, 2010, 19, 413-418.	1.5	21
83	The speed of metacognition: Taking time to get to know oneâ€™s structural knowledge. Consciousness and Cognition, 2013, 22, 123-136.	1.5	21
84	The Power of Suggestion: Posthypnotically Induced Changes in the Temporal Binding of Intentional Action Outcomes. Psychological Science, 2017, 28, 661-669.	3.3	21
85	Donâ€™t make me angry, you wouldnâ€™t like me when Iâ€™m angry: Volitional choices to act or inhibit are modulated by subliminal perception of emotional faces. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 252-268.	2.0	21
86	Alcohol increases hypnotic susceptibility. Consciousness and Cognition, 2013, 22, 1082-1091.	1.5	19
87	Hypnotic suggestibility predicts the magnitude of the imaginative word blindness suggestion effect in a non-hypnotic context. Consciousness and Cognition, 2013, 22, 868-874.	1.5	19
88	The nature of the memory buffer in implicit learning: Learning Chinese tonal symmetries. Consciousness and Cognition, 2013, 22, 920-930.	1.5	19
89	Are direction and speed coded independently by the visual system? Evidence from visual search. Spatial Vision, 1992, 6, 133-147.	1.4	18
90	Implicit learning of mappings between forms and metaphorical meanings. Consciousness and Cognition, 2013, 22, 174-183.	1.5	17

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91	Raising awareness about measurement error in research on unconscious mental processes. <i>Psychonomic Bulletin and Review</i> , 2022, 29, 21-43.	2.8	17
92	The time course of implicit and explicit concept learning. <i>Consciousness and Cognition</i> , 2012, 21, 204-216.	1.5	16
93	Unconsciously learning task-irrelevant perceptual sequences. <i>Consciousness and Cognition</i> , 2013, 22, 203-211.	1.5	16
94	Application of the ex-Gaussian function to the effect of the word blindness suggestion on Stroop task performance suggests no word blindness. <i>Frontiers in Psychology</i> , 2013, 4, 647.	2.1	16
95	Rapidly Measuring the Speed of Unconscious Learning: Amnesics Learn Quickly and Happy People Slowly. <i>PLoS ONE</i> , 2012, 7, e33400.	2.5	15
96	Correlation analysis to investigate unconscious mental processes: A critical appraisal and mini-tutorial. <i>Cognition</i> , 2021, 212, 104667.	2.2	15
97	Evaluative conditioning of artificial grammars: Evidence that subjectively-unconscious structures bias affective evaluations of novel stimuli.. <i>Journal of Experimental Psychology: General</i> , 2020, 149, 1800-1809.	2.1	15
98	Slipping into trance. <i>Contemporary Hypnosis</i> , 2008, 25, 202-209.	0.7	14
99	The distinction between intuition and guessing in the SRT task generation: A reply to Norman and Price. <i>Consciousness and Cognition</i> , 2010, 19, 478-480.	1.5	14
100	Conscious versus unconscious learning of structure. , 2011, , 337-364.		14
101	No-loss gambling shows the speed of the unconscious. <i>Consciousness and Cognition</i> , 2012, 21, 228-237.	1.5	14
102	Implicit sequence learning of chunking and abstract structures. <i>Consciousness and Cognition</i> , 2018, 62, 42-56.	1.5	14
103	Is hypnotic responding the strategic relinquishment of metacognition?. , 2012, , 267-278.		14
104	Sensitivity to changes in rate of heartbeats as a measure of interoceptive ability. <i>Journal of Neurophysiology</i> , 2021, 126, 1799-1813.	1.8	14
105	Oxytocin impedes the effect of the word blindness post-hypnotic suggestion on Stroop task performance. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 895-899.	3.0	13
106	Distinguishing the role of conscious and unconscious knowledge in evaluative conditioning. <i>Cognition</i> , 2020, 205, 104460.	2.2	13
107	Two ways of learning associations. <i>Cognitive Science</i> , 2003, 27, 807-842.	1.7	13
108	Unifying consciousness with explicit knowledge. , 2003, , 214-232.		13

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109	Hypothesis awareness confounds asynchronous control conditions in indirect measures of the rubber hand illusion. <i>Royal Society Open Science</i> , 2021, 8, 210911.	2.4	13
110	A review of applications of the Bayes factor in psychological research.. <i>Psychological Methods</i> , 2023, 28, 558-579.	3.5	13
111	Implicit synthesis. <i>Psychonomic Bulletin and Review</i> , 1997, 4, 68-72.	2.8	12
112	Subjective measures of implicit knowledge that go beyond confidence: Reply to Overgaard et al.. <i>Consciousness and Cognition</i> , 2010, 19, 685-686.	1.5	12
113	8. Assumptions of a subjective measure of consciousness. <i>Advances in Consciousness Research</i> , 2004, , 173-199.	0.2	12
114	How hypnosis happens: new cognitive theories of hypnotic responding. , 2008, , .		11
115	Are task irrelevant faces unintentionally processed? Implicit learning as a test case.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 1741-1747.	0.9	11
116	The role of edge-based and surface-based information in natural scene categorization: Evidence from behavior and event-related potentials. <i>Consciousness and Cognition</i> , 2016, 43, 152-166.	1.5	11
117	Time perception and the experience of agency in meditation and hypnosis. <i>PsyCh Journal</i> , 2019, 8, 36-50.	1.1	11
118	Application of Implicit Knowledge: Deterministic or Probabilistic?. <i>Psychologica Belgica</i> , 2020, 37, 89.	1.9	11
119	Fluency Expresses Implicit Knowledge of Tonal Symmetry. <i>Frontiers in Psychology</i> , 2016, 7, 57.	2.1	10
120	Phenomenological control as cold control.. <i>Psychology of Consciousness: Theory Research, and Practice</i> , 2022, 9, 101-116.	0.4	10
121	Explicit feedback maintains implicit knowledge. <i>Consciousness and Cognition</i> , 2013, 22, 822-832.	1.5	9
122	The Metacognitive Role of Familiarity in Artificial Grammar Learning: Transitions from Unconscious to Conscious Knowledge. , 2010, , 37-61.		9
123	Detecting conscious awareness from involuntary autonomic responses. <i>Consciousness and Cognition</i> , 2011, 20, 936-942.	1.5	8
124	Can grapheme-color synesthesia be induced by hypnosis?. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 220.	2.0	8
125	The relationship between strategic control and conscious structural knowledge in artificial grammar learning. <i>Consciousness and Cognition</i> , 2016, 42, 229-236.	1.5	8
126	Neural Correlates of Subjective Awareness for Natural Scene Categorization of Color Photographs and Line-Drawings. <i>Frontiers in Psychology</i> , 2017, 08, 210.	2.1	8

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127	Cross-cultural differences in implicit learning of chunks versus symmetries. Royal Society Open Science, 2018, 5, 180469.	2.4	8
128	Look into my eyes: Pupillometry reveals that a post-hypnotic suggestion for word blindness reduces Stroop interference by marshalling greater effortful control. European Journal of Neuroscience, 2021, 53, 2819-2834.	2.6	8
129	Bidirectional Transfer between Metaphorical Related Domains in Implicit Learning of Form-Meaning Connections. PLoS ONE, 2013, 8, e68100.	2.5	8
130	Reforms to improve reproducibility and quality must be coordinated across the research ecosystem: the view from the UKRN Local Network Leads. BMC Research Notes, 2022, 15, 58.	1.4	8
131	Dissociable definitions of consciousness. Behavioral and Brain Sciences, 1994, 17, 403-404.	0.7	7
132	What sort of representation is conscious?. Behavioral and Brain Sciences, 2002, 25, 336-337.	0.7	7
133	Who Learns More? Cultural Differences in Implicit Sequence Learning. PLoS ONE, 2013, 8, e71625.	2.5	7
134	Facial beauty affects implicit and explicit learning of men and women differently. Frontiers in Psychology, 2015, 6, 1124.	2.1	7
135	Perceiving Time Differences When You Should Not: Applying the El Greco Fallacy to Hypnotic Time Distortions. Frontiers in Psychology, 2016, 7, 1309.	2.1	7
136	Illusory Temporal Binding in Meditators. Mindfulness, 2016, 7, 1416-1422.	2.8	7
137	The neural basis of implicit learning of task-irrelevant Chinese tonal sequence. Experimental Brain Research, 2015, 233, 1125-1136.	1.5	6
138	Deconstructing RTK: How to explicate a theory of implicit knowledge. Behavioral and Brain Sciences, 1999, 22, 790-801.	0.7	5
139	Graded contribution of hippocampus to multifeature binding across temporal delay. NeuroReport, 2010, 21, 902-906.	1.2	5
140	How to use and report Bayesian hypothesis tests.. Psychology of Consciousness: Theory Research, and Practice, 2021, 8, 9-26.	0.4	5
141	Why Bayesian "Evidence for H1" in One Condition and Bayesian "Evidence for H0" in Another Condition Does Not Mean Good-Enough Bayesian Evidence for a Difference Between the Conditions. Advances in Methods and Practices in Psychological Science, 2020, 3, 300-308.	9.4	4
142	Can musical transformations be implicitly learned?. Cognitive Science, 2004, 28, 531-558.	1.7	4
143	Communicating structure, affect, and movement. , 2011, , 156-168.		4
144	Implicit Versus Explicit Representation and Intra- Versus Inter-Modular Processing. Computational Intelligence, 2002, 18, 55-58.	3.2	3

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145	Role of prior knowledge in implicit and explicit learning of artificial grammars. <i>Consciousness and Cognition</i> , 2014, 28, 1-16.	1.5	3
146	Commentary: Unlearning implicit social biases during sleep. <i>Frontiers in Psychology</i> , 2015, 6, 1428.	2.1	3
147	Bayes to the rescue: Does the type of hypnotic induction matter?. <i>Psychology of Consciousness: Theory Research, and Practice</i> , 2019, 6, 359-370.	0.4	3
148	Incidental self-processing modulates the interaction of emotional valence and arousal. <i>Experimental Brain Research</i> , 2015, 233, 229-235.	1.5	2
149	Tonal Symmetry Induces Fluency and Sense of Well-Formedness. <i>Frontiers in Psychology</i> , 2018, 9, 165.	2.1	2
150	Mapping across domains without feedback: A neural network model of transfer of implicit knowledge. <i>Workshops in Computing</i> , 1995, , 19-33.	0.4	2
151	How to Assess Metacognition in Infants and Animals?. <i>Infant and Child Development</i> , 2013, 22, 102-104.	1.5	1
152	Unconscious sources of familiarity can be strategically excluded in support of conscious task demands.. <i>Psychology of Consciousness: Theory Research, and Practice</i> , 2014, 1, 229-242.	0.4	1
153	Attention or instruction: Do sustained attentional abilities really differ between high and low hypnotisable persons?. <i>Psychological Research</i> , 2018, 82, 700-707.	1.7	1
154	Dataset of implicit sequence learning of chunking and abstract structures. <i>Data in Brief</i> , 2019, 22, 72-75.	1.0	1
155	Expressing unconscious general knowledge using Chevreul's pendulum. <i>American Journal of Clinical Hypnosis</i> , 2022, , 1-10.	0.6	1
156	Strategies that reduce Stroop interference. <i>Royal Society Open Science</i> , 2022, 9, 202136.	2.4	1
157	Higher order thinking. <i>Behavioral and Brain Sciences</i> , 1999, 22, 164-165.	0.7	0
158	Strategic control in AGL is not attributable to simple letter frequencies alone. <i>Consciousness and Cognition</i> , 2011, 20, 1933-1934.	1.5	0
159	Developmental aspects of consciousness: How much theory of mind do you need to be consciously aware?*, 2009, , 53-72.		0