

Christian J Lebiere

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

4,260
citations

20
h-index

65
g-index

66
ext. papers

4,904
ext. citations

2.7
avg, IF

5.29
L-index

#	Paper	IF	Citations
61	An integrated theory of the mind. <i>Psychological Review</i> , 2004 , 111, 1036-60	6.3	1737
60	An Integrated Theory of List Memory. <i>Journal of Memory and Language</i> , 1998 , 38, 341-380	3.8	352
59	Instance-based learning in dynamic decision making. <i>Cognitive Science</i> , 2003 , 27, 591-635	2.2	259
58	ACT-R: A Theory of Higher Level Cognition and Its Relation to Visual Attention. <i>Human-Computer Interaction</i> , 1997 , 12, 439-462	2.9	257
57	Working memory: activation limitations on retrieval. <i>Cognitive Psychology</i> , 1996 , 30, 221-56	3.1	255
56	Conditional routing of information to the cortex: a model of the basal ganglia's role in cognitive coordination. <i>Psychological Review</i> , 2010 , 117, 541-74	6.3	250
55	The Newell Test for a theory of cognition. <i>Behavioral and Brain Sciences</i> , 2003 , 26, 587-601; discussion 601-48	0.9	209
54	A choice prediction competition: Choices from experience and from description. <i>Journal of Behavioral Decision Making</i> , 2010 , 23, 15-47	2.4	162
53	A Standard Model of the Mind: Toward a Common Computational Framework across Artificial Intelligence, Cognitive Science, Neuroscience, and Robotics. <i>AI Magazine</i> , 2017 , 38, 13-26	6.1	105
52	SAL: an explicitly pluralistic cognitive architecture. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2008 , 20, 197-218	2	90
51	ACT-R: A higher-level account of processing capacity. <i>Behavioral and Brain Sciences</i> , 1998 , 21, 831-832	0.9	75
50	Modeling Working Memory in a Unified Architecture: An ACT-R Perspective 1999 , 135-182		73
49	Simple games as dynamic, coupled systems: randomness and other emergent properties. <i>Cognitive Systems Research</i> , 2001 , 1, 221-239	4.8	44
48	The knowledge level in cognitive architectures: Current limitations and possible developments. <i>Cognitive Systems Research</i> , 2018 , 48, 39-55	4.8	37
47	The dynamics of cognition: An ACT-R model of cognitive arithmetic. <i>Kognitionswissenschaft</i> , 1999 , 8, 5-19		29
46	A functional model of sensemaking in a neurocognitive architecture. <i>Computational Intelligence and Neuroscience</i> , 2013 , 2013, 921695	3	28
45	A general instance-based learning framework for studying intuitive decision-making in a cognitive architecture. <i>Journal of Applied Research in Memory and Cognition</i> , 2015 , 4, 180-190	2.3	25

44	Reciprocal trust mediates deep transfer of learning between games of strategic interaction. <i>Organizational Behavior and Human Decision Processes</i> , 2013 , 120, 206-215	4	23
43	Memory activation and the availability of explanations in sequential diagnostic reasoning. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2011 , 37, 1391-411	2.2	23
42	Cognition and Technology. <i>Advances in Information Security</i> , 2014 , 93-117	0.7	20
41	What can cognitive architectures do for robotics?. <i>Biologically Inspired Cognitive Architectures</i> , 2012 , 2, 88-99		15
40	Modeling trust dynamics in strategic interaction. <i>Journal of Applied Research in Memory and Cognition</i> , 2015 , 4, 197-211	2.3	14
39	Mission Command in the Age of Network-Enabled Operations: Social Network Analysis of Information Sharing and Situation Awareness. <i>Frontiers in Psychology</i> , 2016 , 7, 937	3.4	13
38	A cognitive model of spatial path-planning. <i>Computational and Mathematical Organization Theory</i> , 2010 , 16, 220-245	2.1	12
37	Adaptive Cyber Deception: Cognitively Informed Signaling for Cyber Defense 2020 ,		12
36	A Description Experience Gap in Social Interactions: Information about Interdependence and Its Effects on Cooperation. <i>Journal of Behavioral Decision Making</i> , 2013 , 27, n/a-n/a	2.4	10
35	Intention superiority effect: A context-switching account. <i>Cognitive Systems Research</i> , 2002 , 3, 57-65	4.8	10
34	Convergence and Constraints Revealed in a Qualitative Model Comparison. <i>Journal of Cognitive Engineering and Decision Making</i> , 2009 , 3, 131-155	2.5	9
33	How groups develop a specialized domain vocabulary: A cognitive multi-agent model. <i>Cognitive Systems Research</i> , 2011 , 12, 175-185	4.8	9
32	Intergroup Prisoner's Dilemma with Intragroup Power Dynamics. <i>Games</i> , 2011 , 2, 21-51	0.9	9
31	Design of Dynamic and Personalized Deception: A Research Framework and New Insights 2020 ,		9
30	Toward Personalized Deceptive Signaling for Cyber Defense Using Cognitive Models. <i>Topics in Cognitive Science</i> , 2020 , 12, 992-1011	2.5	8
29	Learning rapid and precise skills. <i>Psychological Review</i> , 2019 , 126, 727-760	6.3	7
28	Learning to Signal in the Goldilocks Zone: Improving Adversary Compliance in Security Games. <i>Lecture Notes in Computer Science</i> , 2020 , 725-740	0.9	6
27	Cognitive Models in Cybersecurity: Learning From Expert Analysts and Predicting Attacker Behavior. <i>Frontiers in Psychology</i> , 2020 , 11, 1049	3.4	5

26	From Microcognition to Macrocognition: Architectural Support for Adversarial Behavior. <i>Journal of Cognitive Engineering and Decision Making</i> , 2009 , 3, 176-193	2.5	5
25	Analysis of the human connectome data supports the notion of a "Common Model of Cognition" for human and human-like intelligence across domains. <i>NeuroImage</i> , 2021 , 235, 118035	7.9	5
24	Towards a Cognitive Theory of Cyber Deception. <i>Cognitive Science</i> , 2021 , 45, e13013	2.2	5
23	Multi-scale resolution of neural, cognitive and social systems. <i>Computational and Mathematical Organization Theory</i> , 2019 , 25, 4-23	2.1	4
22	The effects of individual and context on aggression in repeated social interaction. <i>Applied Ergonomics</i> , 2013 , 44, 710-8	4.2	4
21	Cognitive Constraints on Decision Making under Uncertainty. <i>Frontiers in Psychology</i> , 2011 , 2, 305	3.4	4
20	An Exploratory Study of a Masking Strategy of Cyberdeception Using CyberVAN. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020 , 64, 446-450	0.4	4
19	Inhibitory synapses between striatal projection neurons support efficient enhancement of cortical signals: a computational model. <i>Journal of Computational Neuroscience</i> , 2014 , 37, 65-80	1.4	3
18	Validating instance-based learning mechanisms outside of ACT-R. <i>Journal of Computational Science</i> , 2013 , 4, 262-268	3.4	3
17	Learning features while learning to classify: a cognitive model for autonomous systems. <i>Computational and Mathematical Organization Theory</i> , 2020 , 26, 23-54	2.1	3
16	Adaptive Cognitive Mechanisms to Maintain Calibrated Trust and Reliance in Automation. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 652776	2.8	2
15	Social Networks through the Prism of Cognition. <i>Complexity</i> , 2021 , 2021, 1-13	1.6	2
14	Discovering skill. <i>Cognitive Psychology</i> , 2021 , 129, 101410	3.1	2
13	Designing effective masking strategies for cyberdefense through human experimentation and cognitive models. <i>Computers and Security</i> , 2022 , 117, 102671	4.9	2
12	The performance comparison problem: Universal task access for cross-framework evaluation, Turing tests, grand challenges, and cognitive decathlons. <i>Biologically Inspired Cognitive Architectures</i> , 2016 , 18, 9-22		1
11	Integrating theories of motor sequencing in the SAL hybrid architecture. <i>Biologically Inspired Cognitive Architectures</i> , 2014 , 8, 100-108		1
10	Modeling Human Performance in Complex Systems 2012 , 929-961		1
9	A cognitive model of perceptual path planning in a multi-robot control system 2009 ,		1

8	Beyond red states and blue states in cognitive science. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2008 , 20, 265-268	2	1
7	Trusty Ally or Faithless Snake: Modeling the Role of Human Memory and Expectations in Social Exchange. <i>Lecture Notes in Computer Science</i> , 2021 , 268-278	0.9	1
6	Explaining autonomous drones: An XAI journey. <i>Applied AI Letters</i> , e54	1.2	0
5	Mining Online Social Media to Drive Psychologically Valid Agent Models of Regional Covid-19 Mask Wearing. <i>Lecture Notes in Computer Science</i> , 2021 , 46-56	0.9	0
4	Putting the Brain in the Box for Human-System Interface Evaluation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2006 , 50, 1165-1169	0.4	
3	Optimism for the future of unified theories. <i>Behavioral and Brain Sciences</i> , 2003 , 26, 628-633	0.9	
2	Implicit and explicit learning in a hybrid architecture of cognition. <i>Behavioral and Brain Sciences</i> , 1999 , 22, 772-773	0.9	
1	Higher-level Knowledge, Rational and Social Levels Constraints of the Common Model of the Mind. <i>Procedia Computer Science</i> , 2018 , 145, 757-764	1.6	