Christian J Lebiere

List of Publications by Year
in descending order

64 papers	5,683 citations	361413 20 h-index	144013 57 g-index
66 all docs	66 docs citations	66 times ranked	3377 citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Theory of the Mind.. Psychological Review, 2004, 111, 1036-1060.	3.8	2,226
2	An Integrated Theory of List Memory. Journal of Memory and Language, 1998, 38, 341-380.	2.1	415
3	ACT-R: A Theory of Higher Level Cognition and Its Relation to Visual Attention. Human-Computer Interaction, 1997, 12, 439-462.	4.4	409
4	Instance-based learning in dynamic decision making. Cognitive Science, 2003, 27, 591-635.	1.7	364
5	Conditional routing of information to the cortex: A model of the basal ganglia's role in cognitive coordination.. Psychological Review, 2010, 117, 541-574.	3.8	308
6	Working Memory: Activation Limitations on Retrieval. Cognitive Psychology, 1996, 30, 221-256.	2.2	295
7	The Newell Test for a theory of cognition. Behavioral and Brain Sciences, 2003, 26, 587-601.	0.7	265
8	A choice prediction competition: Choices from experience and from description. Journal of Behavioral Decision Making, 2010, 23, 15-47.	1.7	251
9	A Standard Model of the Mind: Toward a Common Computational Framework Across Artificial Intelligence, Cognitive Science, Neuroscience, and Robotics. AI Magazine, 2017, 38, 13-26.	1.6	179
10	Modeling Working Memory in a Unified Architecture: An ACT-R Perspective. , 1999, , 135-182.		114
11	SAL: an explicitly pluralistic cognitive architecture. Journal of Experimental and Theoretical Artificial Intelligence, 2008, 20, 197-218.	2.8	108
12	ACT-R: A higher-level account of processing capacity. Behavioral and Brain Sciences, 1998, 21, 831-832.	0.7	80
13	Simple games as dynamic, coupled systems: randomness and other emergent properties. Cognitive Systems Research, 2001, 1, 221-239.	2.7	55
14	The knowledge level in cognitive architectures: Current limitations and possible developments. Cognitive Systems Research, 2018, 48, 39-55.	2.7	52
15	The dynamics of cognition: An ACT-R model of cognitive arithmetic. Kognitionswissenschaft, 1999, 8, 5-19.	0.4	42
16	A Description–Experience Gap in Social Interactions: Information about Interdependence and Its Effects on Cooperation. Journal of Behavioral Decision Making, 2014, 27, 349-362.	1.7	38
17	A Functional Model of Sensemaking in a Neurocognitive Architecture. Computational Intelligence and Neuroscience, 2013, 2013, 1-29.	1.7	37
18	A general instance-based learning framework for studying intuitive decision-making in a cognitive architecture.. Journal of Applied Research in Memory and Cognition, 2015, 4, 180-190.	1.1	36

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19	Memory activation and the availability of explanations in sequential diagnostic reasoning.. Journal of Experimental Psychology: Learning Memory and Cognition, 2011, 37, 1391-1411.	0.9	26
20	Reciprocal trust mediates deep transfer of learning between games of strategic interaction. Organizational Behavior and Human Decision Processes, 2013, 120, 206-215.	2.5	25
21	Cognition and Technology. Advances in Information Security, 2014, , 93-117.	1.2	23
22	What can cognitive architectures do for robotics?. Biologically Inspired Cognitive Architectures, 2012, 2, 88-99.	0.9	20
23	Modeling trust dynamics in strategic interaction.. Journal of Applied Research in Memory and Cognition, 2015, 4, 197-211.	1.1	20
24	Toward Personalized Deceptive Signaling for Cyber Defense Using Cognitive Models. Topics in Cognitive Science, 2020, 12, 992-1011.	1.9	19
25	A cognitive model of spatial path-planning. Computational and Mathematical Organization Theory, 2010, 16, 220-245.	2.0	17
26	Learning rapid and precise skills.. Psychological Review, 2019, 126, 727-760.	3.8	17
27	Adaptive Cyber Deception: Cognitively Informed Signaling for Cyber Defense. , 2020, , .		17
28	Mission Command in the Age of Network-Enabled Operations: Social Network Analysis of Information Sharing and Situation Awareness. Frontiers in Psychology, 2016, 7, 937.	2.1	16
29	Analysis of the human connectome data supports the notion of a â€œCommon Model of Cognitionâ€•for human and human-like intelligence across domains. NeuroImage, 2021, 235, 118035.	4.2	14
30	Intention superiority effect: A context-switching account. Cognitive Systems Research, 2002, 3, 57-65.	2.7	13
31	Intergroup Prisonerâ€™s Dilemma with Intragroup Power Dynamics. Games, 2011, 2, 21-51.	0.6	13
32	Adaptive Cognitive Mechanisms to Maintain Calibrated Trust and Reliance in Automation. Frontiers in Robotics and AI, 2021, 8, 652776.	3.2	12
33	Convergence and Constraints Revealed in a Qualitative Model Comparison. Journal of Cognitive Engineering and Decision Making, 2009, 3, 131-155.	2.3	11
34	Cognitive Constraints on Decision Making under Uncertainty. Frontiers in Psychology, 2011, 2, 305.	2.1	11
35	How groups develop a specialized domain vocabulary: A cognitive multi-agent model. Cognitive Systems Research, 2011, 12, 175-185.	2.7	11
36	Towards a Cognitive Theory of Cyber Deception. Cognitive Science, 2021, 45, e13013.	1.7	11

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37	Design of Dynamic and Personalized Deception: A Research Framework and New Insights. , 2020, , .		11
38	Cognitive Models in Cybersecurity: Learning From Expert Analysts and Predicting Attacker Behavior. Frontiers in Psychology, 2020, 11, 1049.	2.1	10
39	Editorial: Cognitive Architectures, Model Comparison and AGI. Journal of Artificial General Intelligence, 2010, 2, 1-19.	0.6	10
40	Learning to Signal in the Goldilocks Zone: Improving Adversary Compliance in Security Games. Lecture Notes in Computer Science, 2020, , 725-740.	1.3	8
41	Multi-scale resolution of neural, cognitive and social systems. Computational and Mathematical Organization Theory, 2019, 25, 4-23.	2.0	7
42	Designing effective masking strategies for cyberdefense through human experimentation and cognitive models. Computers and Security, 2022, 117, 102671.	6.0	7
43	An Exploratory Study of a Masking Strategy of Cyberdeception Using CyberVAN. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 446-450.	0.3	6
44	From Microcognition to Macrocognition: Architectural Support for Adversarial Behavior. Journal of Cognitive Engineering and Decision Making, 2009, 3, 176-193.	2.3	5
45	Validating instance-based learning mechanisms outside of ACT-R. Journal of Computational Science, 2013, 4, 262-268.	2.9	5
46	The effects of individual and context on aggression in repeated social interaction. Applied Ergonomics, 2013, 44, 710-718.	3.1	5
47	Explaining autonomous drones: An <scp>XAI</scp> journey. Applied AI Letters, 2021, 2, e54.	2.2	5
48	Implicit and explicit learning in a hybrid architecture of cognition. Behavioral and Brain Sciences, 1999, 22, 772-773.	0.7	4
49	Social Networks through the Prism of Cognition. Complexity, 2021, 2021, 1-13.	1.6	4
50	Inhibitory synapses between striatal projection neurons support efficient enhancement of cortical signals: A computational model. Journal of Computational Neuroscience, 2014, 37, 65-80.	1.0	3
51	Learning features while learning to classify: a cognitive model for autonomous systems. Computational and Mathematical Organization Theory, 2020, 26, 23-54.	2.0	3
52	Discovering skill. Cognitive Psychology, 2021, 129, 101410.	2.2	3
53	Mining Online Social Media to Drive Psychologically Valid Agent Models of Regional Covid-19 Mask Wearing. Lecture Notes in Computer Science, 2021, , 46-56.	1.3	2
54	Trusty Ally or Faithless Snake: Modeling the Role of Human Memory and Expectations in Social Exchange. Lecture Notes in Computer Science, 2021, , 268-278.	1.3	2

#	Article	IF	Citations
55	Toward a Psychology of Deep Reinforcement Learning Agents Using a Cognitive Architecture. Topics in Cognitive Science, 2022, 14, 756-779.	1.9	2
56	Reports of the 2018 AAAI Fall Symposium. AI Magazine, 2019, 40, 66-72.	1.6	2
57	Optimism for the future of unified theories. Behavioral and Brain Sciences, 2003, 26, 628-633.	0.7	1
58	Putting the Brain in the Box for Human-System Interface Evaluation. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 1165-1169.	0.3	1
59	Beyond red states and blue states in cognitive science. Journal of Experimental and Theoretical Artificial Intelligence, 2008, 20, 265-268.	2.8	1
60	A cognitive model of perceptual path planning in a multi-robot control system. , 2009, , .		1
61	Reports on the 2013 AAAI Fall Symposium Series. AI Magazine, 2014, 35, 69-74.	1.6	1
62	Integrating theories of motor sequencing in the SAL hybrid architecture. Biologically Inspired Cognitive Architectures, 2014, 8, 100-108.	0.9	1
63	The performance comparison problem: Universal task access for cross-framework evaluation, Turing tests, grand challenges, and cognitive decathlons. Biologically Inspired Cognitive Architectures, 2016, 18, 9-22.	0.9	1
64	Higher-level Knowledge, Rational and Social Levels Constraints of the Common Model of the Mind. Procedia Computer Science, 2018, 145, 757-764.	2.0	0