Yingxu Wang

List of Publications by Year in descending order

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270	6,536	76326 40	95266 68
papers	citations	h-index	g-index

272	272	272	1154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Theoretical Framework of Cognitive Informatics. International Journal of Cognitive Informatics and Natural Intelligence, 2007, 1, 1-27.	0.4	356
2	A layered reference model of the brain (LRMB). IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 124-133.	2.9	281
3	The Real-Time Process Algebra (RTPA). Annals of Software Engineering, 2002, 14, 235-274.	0.5	239
4	On the cognitive process of human problem solving. Cognitive Systems Research, 2010, 11, 81-92.	2.7	233
5	On Cognitive Informatics. Brain and Mind, 2003, 4, 151-167.	0.6	216
6	On cognitive informatics. , 0, , .		209
7	On Concept Algebra. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 1-19.	0.4	198
8	Cognitive informatics models of the brain. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 203-207.	2.9	195
9	On Contemporary Denotational Mathematics for Computational Intelligence. Lecture Notes in Computer Science, 2008, , 6-29.	1.3	166
10	RTPA. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 44-62.	0.4	156
11	The OAR Model of Neural Informatics for Internal Knowledge Representation in the Brain. International Journal of Cognitive Informatics and Natural Intelligence, 2007, 1, 66-77.	0.4	148
12	Cognitive Robots. IEEE Robotics and Automation Magazine, 2010, 17, 54-62.	2.0	116
13	Contemporary Cybernetics and Its Facets of Cognitive Informatics and Computational Intelligence. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 823-833.	5.0	111
14	A new measure of software complexity based on cognitive weights. Canadian Journal of Electrical and Computer Engineering, 2003, 28, 69-74.	2.0	107
15	Editorial Recent Advances in Cognitive Informatics. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 121-123.	2.9	105
16	On the informatics laws and deductive semantics of software. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 161-171.	2.9	104
17	Cognitive Informatics: A New Transdisciplinary Research Field. Brain and Mind, 2003, 4, 115-127.	0.6	103
18	Process-Based Software Engineering: Building the Infrastructures. Annals of Software Engineering, 2002, 14, 9-37.	0.5	98

#	ARTICLE	IF	CITATIONS
19	A Doctrine of Cognitive Informatics (CI). Fundamenta Informaticae, 2009, 90, 203-228.	0.4	91
20	Inference Algebra (IA). International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 61-82.	0.4	89
21	Cognitive Informatics: Towards Future Generation Computers that Think and Feel. , 2006, , .		84
22	In Search of Denotational Mathematics: Novel Mathematical Means for Contemporary Intelligence, Brain, and Knowledge Sciences. Journal of Advanced Mathematics and Applications, 2012, 1, 4-26.	0.5	83
23	On System Algebra. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 20-43.	0.4	80
24	Paradigms of Denotational Mathematics for Cognitive Informatics and Cognitive Computing. Fundamenta Informaticae, 2009, 90, 283-303.	0.4	77
25	Perspectives on Cognitive Informatics and Cognitive Computing. International Journal of Cognitive Informatics and Natural Intelligence, 2010, 4, 1-29.	0.4	75
26	ON CONCEPT ALGEBRA FOR COMPUTING WITH WORDS (CWW). International Journal of Semantic Computing, 2010, 04, 331-356.	0.5	75
27	ON FORMAL AND COGNITIVE SEMANTICS FOR SEMANTIC COMPUTING. International Journal of Semantic Computing, 2010, 04, 203-237.	0.5	72
28	Deductive Semantics of RTPA. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 95-121.	0.4	72
29	Using Process Algebra to Describe Human and Software Behaviors. Brain and Mind, 2003, 4, 199-213.	0.6	71
30	Cognitive Intelligence. International Journal of Cognitive Informatics and Natural Intelligence, 2016, 10, 1-20.	0.4	61
31	Perspectives on the Field of Cognitive Informatics and its Future Development. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 1-17.	0.4	58
32	On Visual Semantic Algebra (VSA). International Journal of Software Science and Computational Intelligence, 2009, 1, 1-16.	3.0	58
33	On the Big-R Notation for Describing Iterative and Recursive Behaviors. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 17-28.	0.4	57
34	Semantic Manipulations and Formal Ontology for Machine Learning based on Concept Algebra. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 1-29.	0.4	56
35	On Concept Algebra and Knowledge Representation. , 2006, , .		52
36	A Cognitive Informatics Reference Model of Autonomous Agent Systems (AAS). International Journal of Cognitive Informatics and Natural Intelligence, 2009, 3, 1-16.	0.4	51

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37	Discovering the Capacity of Human Memory. Brain and Mind, 2003, 4, 189-198.	0.6	50
38	Inference Algebra (IA). International Journal of Cognitive Informatics and Natural Intelligence, 2012, 6, 21-47.	0.4	48
39	Brain-Inspired Systems: A Transdisciplinary Exploration on Cognitive Cybernetics, Humanity, and Systems Science Toward Autonomous Artificial Intelligence. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 6-13.	1.4	48
40	On Cognitive Foundations and Mathematical Theories of Knowledge Science. International Journal of Cognitive Informatics and Natural Intelligence, 2016, 10, 1-25.	0.4	46
41	The Theoretical Framework and Cognitive Process of Learning. , 2007, , .		44
42	Neuroinformatics Models of Human Memory. International Journal of Cognitive Informatics and Natural Intelligence, 2013, 7, 98-122.	0.4	44
43	Kinect Sensor Gesture and Activity Recognition: New Applications for Consumer Cognitive Systems. IEEE Consumer Electronics Magazine, 2018, 7, 88-94.	2.3	44
44	Cognitive Informatics and Cognitive Computing in Year 10 and Beyond. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 1-21.	0.4	42
45	On Mathematical Laws of Software. Lecture Notes in Computer Science, 2008, , 46-83.	1.3	42
46	Cognitive Learning Methodologies for Brain-Inspired Cognitive Robotics. International Journal of Cognitive Informatics and Natural Intelligence, 2015, 9, 37-54.	0.4	40
47	Software Science: On the General Mathematical Models and Formal Properties of Software. Journal of Advanced Mathematics and Applications, 2014, 3, 130-147.	0.5	40
48	On Abstract Intelligence and Brain Informatics. International Journal of Cognitive Informatics and Natural Intelligence, 2012, 6, 54-80.	0.4	39
49	Cognitive models of the brain. , 0, , .		38
50	A Formal Syntax of Natural Languages and the Deductive Grammar. Fundamenta Informaticae, 2009, 90, 353-368.	0.4	35
51	Towards the abstract system theory of system science for cognitive and intelligent systems. Complex & Intelligent Systems, 2015, 1, 1-22.	6.5	32
52	The Cognitive Mechanisms and Formal Models of Consciousness. International Journal of Cognitive Informatics and Natural Intelligence, 2012, 6, 23-40.	0.4	31
53	Towards the Synergy of Cognitive Informatics, Neural Informatics, Brain Informatics, and Cognitive Computing. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 75-93.	0.4	28
54	Abstract Intelligence. International Journal of Cognitive Informatics and Natural Intelligence, 2017, 11, 1-15.	0.4	27

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55	Formal Description of the Cognitive Process of Memorization. Lecture Notes in Computer Science, 2009, , 81-98.	1.3	26
56	Perspectives on Cognitive Computers and Knowledge Processors. International Journal of Cognitive Informatics and Natural Intelligence, 2013, 7, 1-24.	0.4	25
57	Uncertain Data Clustering in Distributed Peer-to-Peer Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2392-2406.	11.3	25
58	On Cognitive Foundations of Creativity and the Cognitive Process of Creation. International Journal of Cognitive Informatics and Natural Intelligence, 2009, 3, 1-18.	0.4	24
59	Measurement of the cognitive functional complexity of software. , 0, , .		23
60	A layered reference model of the brain. , 0, , .		23
61	On Long Lifespan Systems and Applications. Journal of Computational and Theoretical Nanoscience, 2012, 9, 208-216.	0.4	22
62	Deep reasoning and thinking beyond deep learning by cognitive robots and brain-inspired systems. , 2016, , .		22
63	Toward a Formal Knowledge System Theory and Its Cognitive Informatics Foundations. Lecture Notes in Computer Science, 2009, , 1-19.	1.3	22
64	Formal description of the cognitive process of problem solving. , 2004, , .		21
65	On the philosophical, cognitive and mathematical foundations of symbiotic autonomous systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200362.	3.4	21
66	Fuzzy Causal Patterns of Humor and Jokes for Cognitive and Affective Computing. International Journal of Cognitive Informatics and Natural Intelligence, 2014, 8, 34-46.	0.4	20
67	Cognitive robotics and mathematical engineering. , 2015, , .		20
68	Perspectives on eBrain and Cognitive Computing. International Journal of Cognitive Informatics and Natural Intelligence, 2012, 6, 1-21.	0.4	19
69	Quantitative Semantic Analysis and Comprehension by Cognitive Machine Learning. International Journal of Cognitive Informatics and Natural Intelligence, 2016, 10, 13-28.	0.4	19
70	Unveiling the Cognitive Mechanisms of Eyes. International Journal of Cognitive Informatics and Natural Intelligence, 2014, 8, 36-50.	0.4	19
71	From cognitive psychology to cognitive informatics. , 0, , .		18
72	Cognitive Informatics and Computational Intelligence. International Journal of Software Science and Computational Intelligence, 2015, 7, 50-69.	3.0	18

#	Article	IF	Citations
73	Cognitive Complexity of Software and its Measurement. , 2006, , .		17
74	Big Data Analytics on the Characteristic Equilibrium of Collective Opinions in Social Networks. International Journal of Cognitive Informatics and Natural Intelligence, 2014, 8, 29-44.	0.4	17
75	A Denotational Mathematical Theory of System Science: System Algebra for Formal System Modeling and Manipulations. Journal of Advanced Mathematics and Applications, 2015, 4, 132-157.	0.5	17
76	On the Mathematical Theories and Cognitive Foundations of Information. International Journal of Cognitive Informatics and Natural Intelligence, 2015, 9, 42-64.	0.4	17
77	Cognitive computing and World Wide Wisdom (WWW+). , 2010, , .		16
78	The Emergence of Abstract Sciences and Transdisciplinary Advances: Developments in Systems, Man, and Cybernetics. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 12-19.	1.4	16
79	The OAR Model for Knowledge Representation. , 2006, , .		15
80	Human Body Mixed Motion Pattern Recognition Method Based on Multi-Source Feature Parameter Fusion. Sensors, 2020, 20, 537.	3.8	15
81	Diagnosis/Prognosis of COVID-19 Chest Images via Machine Learning and Hypersignal Processing: Challenges, opportunities, and applications. IEEE Signal Processing Magazine, 2021, 38, 37-66.	5.6	15
82	The Cognitive Process of Comprehension. International Journal of Cognitive Informatics and Natural Intelligence, 2010, 4, 44-58.	0.4	15
83	Granular algebra for modeling granular systems and granular computing. , 2009, , .		14
84	Cognitive Informatics. International Journal of Cognitive Informatics and Natural Intelligence, 2018, 12, 1-13.	0.4	14
85	The cognitive process of comprehension. , 0, , .		13
86	Formal description of the cognitive process of decision making. , 2004, , .		13
87	Cognitive Informatics Foundations of Nature and Machine Intelligence. , 2007, , .		13
88	A Web Knowledge Discovery Engine Based on Concept Algebra. International Journal of Cognitive Informatics and Natural Intelligence, 2010, 4, 80-97.	0.4	13
89	A semantic algebra for cognitive linguistics and cognitive computing. , 2013, , .		13
90	From information revolution to intelligence revolution: Big data science vs. intelligence science. , 2014, , .		13

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91	Experiments on the supervised learning algorithm for formal concept elicitation by cognitive robots. , 2016, , .		13
92	Sample-and-Hold Inputs for Minimum-Phase Behavior of Nonminimum-Phase Systems. IEEE Transactions on Control Systems Technology, 2016, 24, 2103-2111.	5.2	13
93	A Novel Machine Learning Algorithm for Cognitive Concept Elicitation by Cognitive Robots. International Journal of Cognitive Informatics and Natural Intelligence, 2017, 11, 31-46.	0.4	13
94	On Cognitive Properties of Human Factors and Error Models in Engineering and Socialization. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 70-84.	0.4	13
95	Toward a Cognitive Behavioral Reference Model of Artificial Brains. Journal of Computational and Theoretical Nanoscience, 2012, 9, 178-188.	0.4	12
96	Simulation and Visualization of Concept Algebra in MATLAB. International Journal of Software Science and Computational Intelligence, 2014, 6, 30-55.	3.0	12
97	Towards a theory of fuzzy probability for cognitive computing. , 2014, , .		12
98	Cognitive Informatics and Denotational Mathematical Means for Brain Informatics. Lecture Notes in Computer Science, 2010, , 2-13.	1.3	12
99	Formal specification of a real-time lift dispatching system. , 0, , .		11
100	On Abstract Systems and System Algebra. , 2006, , .		11
101	Cognitive computational models of emotions. , 2011, , .		11
102	COGNITIVE LINGUISTIC PERSPECTIVES ON THE CHINESE LANGUAGE. New Mathematics and Natural Computation, 2013, 09, 237-260.	0.7	11
103	Effect of stimulating acupoint Guanyuan (CV 4) on lower back pain by burning moxa heat for different time lengths: a randomized controlled clinical trial. Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine, 2015, 35, 36-40.	0.4	11
104	Cognitive foundations of knowledge science and deep knowledge learning by cognitive robots. , 2017, , .		11
105	On Autonomous Systems: From Reflexive, Imperative and Adaptive Intelligence to Autonomous and Cognitive Intelligence. , 2019, , .		11
106	A Tripartite Theory of Trustworthiness for Autonomous Systems. , 2020, , .		11
107	On the informatics laws of software. , 0, , .		10
108	On the cognitive informatics foundations of software engineering. , 2004, , .		10

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109	On the Big-R Notation for Describing Iterative and Recursive Behaviors. , 2006, , .		10
110	Towards a theoretical framework of autonomous systems underpinned by intelligence and systems sciences. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 52-63.	13.1	10
111	On coping with real-time software dynamic inconsistency by built-in tests. Annals of Software Engineering, 1999, 7, 283-296.	0.5	9
112	Design and Implementation of an Automatic RTPA Code Generator. , 2006, , .		9
113	Building cognitive knowledge bases sharable by humans and cognitive robots. , 2017, , .		9
114	Music emotions recognition by cognitive classification methodologies. , 2017, , .		9
115	A Survey and Formal Analyses on Sequence Learning Methodologies and Deep Neural Networks. , 2018, , .		9
116	Jinzhi protects lipopolysaccharide-treated mice against mortality by repairing intestinal mucosal barrier damage and intestinal microecology. Biomedicine and Pharmacotherapy, 2020, 123, 109749.	5.6	9
117	Frontiers of Brain-Inspired Autonomous Systems: How Does Defense R&D Drive the Innovations?. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 8-20.	1.4	9
118	Design and implementation of a Web-based distributed control system. , 0, , .		8
119	The measurement theory for software engineering. , 0, , .		8
120	On the cognitive processes of human perception. , 2005, , .		8
121	Formal Description of the Mechanisms and Cognitive Process of Memorization. , 2007, , .		8
122	On abstract intelligence and its denotational mathematics foundations. , 2008, , .		8
123	Fuzzy inferences methodologies for cognitive informatics and computational intelligence. , 2009, , .		8
124	Cognitive Informatics and Contemporary Mathematics for Knowledge Manipulation. Lecture Notes in Computer Science, 2006, , 69-78.	1.3	8
125	On Future Development of Autonomous Systems: A Report of the Plenary Panel at IEEE ICASâ€™21. , 2021, , .		8
126	Formal Properties and Mathematical Rules of Concept Algebra for Cognitive Machine Learning (I). Journal of Advanced Mathematics and Applications, 2016, 5, 53-68.	0.5	8

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127	A Proof of Goldbach Conjecture by Mirror Prime Decomposition. WSEAS Transactions on Mathematics, 2022, 21, 563-571.	0.5	8
128	Specification of design patterns using real-time process algebra (RTPA). , 0, , .		7
129	On Cognitive Informatics Foundations of Knowledge and Formal Knowledge Systems. , 2007, , .		7
130	A cognitive informatics theory for visual information processing. , 2008, , .		7
131	Advances in the Fields of Cognitive Informatics and Cognitive Computing. Studies in Computational Intelligence, 2010, , 1-11.	0.9	7
132	Formal properties and rules of concept algebra. , 2015, , .		7
133	Control of Lower Limb Rehabilitation Exoskeleton Robot Based on CPG Neural Network. , 2019, , .		7
134	A Rigorous Cognitive Theory for Autonomous Decision Making. , 2020, , .		7
135	A new measure of software complexity based on cognitive weights. , 0, , .		6
136	Formal Linguistics and the Deductive Grammar. , 2007, , .		6
137	A Web Knowledge Discovery Engine Based on Concept Algebra. , 2007, , .		6
138	On Visual Semantic Algebra (VSA) and the cognitive process of pattern recognition. , 2008, , .		6
139	The operational semantics of Concept Algebra for cognitive computing and machine learning. , 2011, , .		6
140	Big Data Analyses for Collective Opinion Elicitation in Social Networks. , 2014, , .		6
141	Formal description of a supervised learning algorithm for concept elicitation by cognitive robots. , 2016, , .		6
142	Formal Ontology Generation by deep machine learning. , 2017, , .		6
143	Big Data Analytics. International Journal of Cognitive Informatics and Natural Intelligence, 2017, 11, 41-56.	0.4	6
144	Design and Implementation of a Knowledge Base for Machine Knowledge Learning. , 2018, , .		6

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145	Intelligent Mathematics (IM): Indispensable Mathematical Means for General AI, Autonomous Systems, Deep Knowledge Learning, Cognitive Robots, and Intelligence Science. , 2020, , .		6
146	Case studies on translation of RTPA specifications into Java programs. , 0, , .		5
147	Real-Time Process Algebra and Its Applications. Lecture Notes in Computer Science, 2003, , 322-336.	1.3	5
148	Exploring Java code generation based on formal specifications in RTPA. , 0, , .		5
149	On the mathematical laws of software. , 0, , .		5
150	A novel decision grid theory for dynamic decision making. , 2005, , .		5
151	A Unified Mathematical Model of Programs. , 2006, , .		5
152	A Computational Simulation of the Cognitive Process of Children Knowledge Acquisition and Memory Development. International Journal of Cognitive Informatics and Natural Intelligence, 2011, 5, 17-36.	0.4	5
153	Towards a fuzzy logical algebra (FLA) for formal inferences in cognitive computing and cognitive robotics. , 2015, , .		5
154	Dimensional Music Emotion Recognition by Machine Learning. International Journal of Cognitive Informatics and Natural Intelligence, 2016, 10, 74-89.	0.4	5
155	A hierarchical theory of system topology and distributed functional fusions. , 2017, , .		5
156	Formal rules for concept and semantics manipulations in cognitive linguistics and machine learning. , 2017, , .		5
157	Building semantic hierarchies of formal concepts by deep cognitive machine learning. , 2017, , .		5
158	Towards a Methodology for RTPA-MATLAB Code Generation Based on Machine Learning Rules. , 2018, , .		5
159	RTPA-based Software Generation by AI Programming. , 2019, , .		5
160	Sequence Learning for Images Recognition in Videos with Differential Neural Networks. , 2019, , .		5
161	Perspectives on the Emerging Field of Autonomous Systems and its Theoretical Foundations. , 2021, , .		5
162	Toward a Generic Mathematical Model of Abstract Game Theories. Lecture Notes in Computer Science, 2008, , 205-223.	1.3	5

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163	Music Emotions Recognition by Machine Learning With Cognitive Classification Methodologies. International Journal of Cognitive Informatics and Natural Intelligence, 2017, 11, 80-92.	0.4	5
164	A new mathematical notation for describing notion and thought in software design. , 0, , .		4
165	A novel type checker for software system specifications in RTPA. , 0, , .		4
166	A framework for testing distributed software components. , 0, , .		4
167	Design of a Cognitive Complexities Measurement and Analysis Tool. , 2006, , .		4
168	Autolearner: An Autonomic Machine Learning System Based on Concept Algebra. , 2007, , .		4
169	Abstract intelligence and cognitive robots. Paladyn, 2010, 1, .	2.7	4
170	On inference algebra: A formal means for machine reasoning and cognitive computing. , 2011, , .		4
171	A formal measurement of the cognitive complexity of texts in cognitive linguistics. , 2012, , .		4
172	Algorithms for determining semantic relations of formal concepts by cognitive machine learning based on concept algebra. , 2016, , .		4
173	Keynote speech 1: Online machine learning for big data analytics by cognitive robots. , 2016, , .		4
174	Spectral clustering based on JS-divergence for uncertain data. , 2017, , .		4
175	Design of Gibbon-Like Crawling Robot for High Voltage Transmission Line Inspection. , 2019, , .		4
176	On information and knowledge representation in the brain. , 0, , .		3
177	Formal description of an ATM system by RTPA. , 0, , .		3
178	Specification of abstract data types using real-time process algebra (RTFA). , 0, , .		3
179	Implementing task scheduling and event handling in RTOS+. , 0, , .		3
180	On autonomous computing and cognitive processes. , 2004, , .		3

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181	System science models of software engineering. , 0, , .		3
182	Formal models of object-oriented patterns using RTPA. , 0, , .		3
183	Psychological experiments on the cognitive complexities of fundamental control structures of software systems. , 2005, , .		3
184	Formal Descriptions of a Set of Meta Cognitive Processes of the Brain. , 2007, , .		3
185	The cognitive processes of consciousness and attention. , 2008, , .		3
186	Toward Formal Models of the Theoretical Framework of Fundamental Economics. Fundamenta Informaticae, 2009, 90, 443-459.	0.4	3
187	On the Cognitive and Theoretical Foundations of Big Data Science and Engineering. New Mathematics and Natural Computation, 2017, 13, 101-117.	0.7	3
188	Formal concept refinement by deep cognitive machine learning. , 2017, , .		3
189	Cognitive Computing. International Journal of Software Science and Computational Intelligence, 2018, 10, 1-14.	3.0	3
190	Brain-Inspired Systems (BIS): Cognitive Foundations and Applications. , 2018, , .		3
191	Cognitive Foundations and Formal Theories of Human and Robot Visions. , 2018, , .		3
192	An improved fuzzy c-means clustering algorithm with guided filter for Image Segmentation. , 2018, , .		3
193	S-Box Construction Method Based on the Combination of Quantum Chaos and PWLCM Chaotic Map. International Journal of Cognitive Informatics and Natural Intelligence, 2021, 15, 1-17.	0.4	3
194	The Cognitive and Mathematical Foundations of Analytic Epidemiology. , 2020, , .		3
195	On the Frontiers of Software Science and Software Engineering. Frontiers in Computer Science, 2022, 3, .	2.8	3
196	On cognitive mechanism of the eyes: the sensor vs. the browser of the brain. , 0, , .		2
197	A practical methodology for measurement deployment in GQM. , 0, , .		2
198	Design of a parser for real-time process algebra. , 0, , .		2

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199	Formal description of the cognitive comprehension process. , 0, , .		2
200	Economic models of software engineering and the software maintenance crisis. , 0, , .		2
201	Design of a real-time virtual machine (RTVM). , 0, , .		2
202	Sociological models of software engineering. , 0, , .		2
203	On cognitive properties of human factors in engineering. , 2005, , .		2
204	Mathematical models and properties of games. , 2005, , .		2
205	Formal specification of CORBA-based distributed objects and behaviors. , 2005, , .		2
206	Formalization of UML Models by RTPA. , 2006, , .		2
207	On cognitive foundations of creativity and the cognitive process of creation. , 2008, , .		2
208	Fuzzy c-medoids method based on JS-divergence for uncertain data clustering. , 2017, , .		2
209	Sentence Comprehension and Semantic Syntheses by Cognitive Machine Learning. , 2018, , .		2
210	Transfer Learning for Entropy-Weighted Fuzzy Clustering. , 2018, , .		2
211	On the Emergence of Abstract Sciences and Breakthroughs in Machine Knowledge Learning. , 2019, , .		2
212	Objects Detection and Recognition in Videos for Sequence Learning. , 2019, , .		2
213	An Autonomous Semantic Learning Methodology for Fake News Recognition. , 2021, , .		2
214	Perspectives on Denotational Mathematics: New Means of Thought. Lecture Notes in Computer Science, 2008, , 1-5.	1.3	2
215	On the Incremental Union of Relations. International Journal of Software Science and Computational Intelligence, 2015, 7, 39-61.	3.0	2
216	A benchmark-based adaptable software process model. , 0, , .		1

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217	An extension of SEMEST: the online software engineering measurement tool. , 0, , .		1
218	A new approach to test case generation based on real-time process algebra (RTPA). , 0, , .		1
219	Denotational semantics for RTPA. , 0, , .		1
220	Formal description of a real-time process dispatcher. , 0, , .		1
221	Formal Description of Time Management in Real-Time Operating Systems. , 2006, , .		1
222	Formal Specification and Representation of Design Patterns Using RTPA. , 2006, , .		1
223	On Constraints and Count-Measures for Software Engineering. , 2006, , .		1
224	A Mathematical Model for Explaining the Mythic Man-Month. , 2006, , .		1
225	Transformation of UML Models into Formal RTPA Specifications. , 2007, , .		1
226	On Long Lifespan systems. , 2008, , .		1
227	The cognitive processes of perceptions on spatiality, time, and motion. , 2008, , .		1
228	Qualification and quantification of fuzzy linguistic variables and fuzzy expressions. , 2009, , .		1
229	A large-scale empirical study on the cognitive complexity of software. , 2010, , .		1
230	Cognitive models of causal inferences using causation networks. , 2010, , .		1
231	A formal model inspired on human decision-making process. , 2015, , .		1
232	On cognitive foundations of big data science and engineering. , 2016, , .		1
233	A Cognitive Machine Learning System for Phrases Composition and Semantic Comprehension. , 2018, , .		1
234	Dynamic Path Optimization for Robot Route Planning. , 2019, , .		1

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235	The Spike Frequency Modulation (SFM) Theory for Neuroinformatics and Cognitive Cybernetics. , 2019, , .		1
236	Experimental Study of NMP Sample and Hold Input Using an Inverted Pendulum. , 2018, , .		1
237	A Novel Machine Learning Algorithm for Cognitive Concept Elicitation by Cognitive Robots. , 2020, , 638-654.		1
238	A Methodology and Experiments towards Autonomous Decision Making. , 2020, , .		1
239	Guest editorial: On Modeling Object-Oriented Information Systems. Software and Systems Modeling, 2003, -1, 1-1.	2.7	0
240	An Internet-based distributed system by using real-time CORBA. , 0, , .		0
241	Specification of the RTPA grammar and its recognition. , 2004, , .		0
242	An operational semantics for RTPA. , 0, , .		0
243	Representation of knowledge and inference rules in SEMEST+. , 0, , .		0
244	Formal description of the ADT model of files using RTPA. , 0, , .		0
245	Implementing the Real-Time Processes of RTPA using Real-Time Java. , 2006, , .		0
246	Transforming RTPA Mathematical Models of System Behaviors Into C++. , 2006, , .		0
247	The Formal Economic Model of Software Engineering. , 2006, , .		0
248	A Type Framework for Modeling Data Objects in Software Engineering. , 2007, , .		0
249	A Knowledge Representation Tool Based on Concept Algebra. , 2007, , .		0
250	Software Costs and Schedule Estimations Based on the Work Coordination Laws. , 2007, , .		0
251	Applying Concept Algebra to Information Restructuring of Web Documents. , 2007, , .		0
252	The cognitive processes of analysis and synthesis in formal inferences. , 2008, , .		0

#	Article	IF	Citations
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