

Haibin Zhu

List of Publications by Year in Descending Order

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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.

173 papers	2,584 citations	28 h-index	46 g-index
243 ext. papers	3,396 ext. citations	3.9 avg, IF	5.75 L-index

#	Paper	IF	Citations
173	Quasi Group Role Assignment With Role Awareness in Self-Service Spatiotemporal Crowdsourcing. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-13	4.5	2
172	Privacy regulation aware service selection for multi-provision cloud service composition. <i>Future Generation Computer Systems</i> , 2022 , 126, 263-278	7.5	1
171	Data Analytics and Visualization of Adaptive Collaboration Simulations. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-10	4.5	
170	Extending Group Role Assignment With Cooperation and Conflict Factors via KD45 Logic. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-14	4.5	0
169	Pareto Improvement: A GRA Perspective. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-11	4.5	0
168	Tracking Dependent Extended Targets Using Multi-Output Spatiotemporal Gaussian Processes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-14	6.1	0
167	Balancing Privacy Risk and Benefit in Service Selection for Multiprovision Cloud Service Composition. <i>Mathematics</i> , 2022 , 10, 1675	2.3	
166	More to Investigate 2021 , 323-347		
165	Group Role Assignment with Multiple Objectives (GRA ++) 2021 , 213-251		
164	Group Role Assignment with Constraints (GRA +) 2021 , 173-212		
163	Role-Based Collaboration 2021 , 69-102		1
162	Role Transfer 2021 , 289-322		
161	Solving Engineering Problems with GRA 2021 , 253-288		
160	Group Role Assignment (GRA) 2021 , 141-171		
159	Role Concepts 2021 , 35-67		
158	The E-CARGO Model 2021 , 103-140		
157	Refugee Resettlement by Extending Group Multirole Assignment. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-12	4.5	0

156	Agent Evaluation in Deployment of Multi-SUAVs for Communication Recovery. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-1	7.3	1
155	Social Development Paradox: An E-CARGO Perspective on the Formation of the Pareto 80/20 Distribution. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-10	4.5	1
154	Improved privacy preserving method for periodical SRS publishing. <i>PLoS ONE</i> , 2021 , 16, e0250457	3.7	1
153	Secure Service Offloading for Internet of Vehicles in SDN-Enabled Mobile Edge Computing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 3720-3729	6.1	34
152	Solving Last-Mile Logistics Problem in Spatiotemporal Crowdsourcing via Role Awareness With Adaptive Clustering. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 668-681	4.5	5
151	Resource Utilization-Aware Collaborative Optimization of IaaS Cloud Service Composition for Data-Intensive Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1322-1333	7.3	4
150	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3796-3807	7.3	48
149	Robust Collaborative Filtering Recommendation With User-Item-Trust Records. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-11	4.5	24
148	Why Did Mr. Trump Oppose Globalization? An E-CARGO Approach. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-11	4.5	4
147	A prospect theory-based three-way decision model. <i>Knowledge-Based Systems</i> , 2020 , 203, 106129	7.3	34
146	Solving the Exam Scheduling Problem with GRA+ 2020 ,		6
145	Computational Social Simulation With E-CARGO: Comparison Between Collectivism and Individualism. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 1345-1357	4.5	12
144	Social Simulation with RBC 2020 ,		1
143	Agent Categorization With Group Role Assignment With Constraints and Simulated Annealing. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 1234-1245	4.5	5
142	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 7, 1498-1510	7	9
141	A two-dimensional generalized thermo-hydro-mechanical-coupled problem for a poroelastic half-space. <i>Waves in Random and Complex Media</i> , 2020 , 30, 738-758	1.9	5
140	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3731-3740	7.3	4
139	Variation-aware Cloud Service Selection via Collaborative QoS Prediction. <i>IEEE Transactions on Services Computing</i> , 2020 , 1-1	4.8	10

138	Solving the Tree-Structured Task Allocation Problem via Group Multirole Assignment. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 41-55	4.9	12
137	Avoiding Critical Members in a Team by Redundant Assignment. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2729-2740	7.3	8
136	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 633-645	7.3	12
135	Distributing UAVs as Wireless Repeaters in Disaster Relief via Group Role Assignment. <i>International Journal of Cooperative Information Systems</i> , 2020 , 29, 2040002	0.6	8
134	Using Group Role Assignment to Solve Dynamic Vehicle Routing Problem 2019 ,		1
133	Thrust Control of a Double-Sided Linear Induction Motor With Segmented Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4891-4900	8.9	4
132	Group Multi-Role Assignment with Coupled Roles 2019 ,		2
131	Secure and economical multi-cloud storage policy with NSGA-II-C. <i>Applied Soft Computing Journal</i> , 2019 , 83, 105649	7.5	7
130	DYNAMIC RESPONSE OF COUPLED THERMO-HYDRO-ELASTODYNAMIC PROBLEM FOR SATURATED FOUNDATION UNDER G-L GENERALIZED THERMOELASTICITY. <i>Journal of Porous Media</i> , 2019 , 22, 1651-1666	2.9	4
129	Solving the Signal Relay Problem of UAV in Disaster Relief via Group Role Assignment. <i>Communications in Computer and Information Science</i> , 2019 , 18-29	0.3	1
128	2019 ,		2
127	Collaborative Optimization of Service Composition for Data-Intensive Applications in a Hybrid Cloud. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019 , 30, 1022-1035	3.7	13
126	Big Data and Collaboration Research: Creating Real Big Data. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2018 , 4, 16-19	1.6	1
125	SVM-DT-based adaptive and collaborative intrusion detection. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018 , 5, 108-118	7	56
124	Balance Preferences with Performance in Group Role Assignment. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1800-1813	10.2	19
123	Group Role Assignment With Cooperation and Conflict Factors. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 851-863	7.3	23
122	Predict Team Performance with E-CARGO 2018 ,		3
121	Slot Reallocation for Ground Delay Programs 2018 ,		1

120	A Collaborative Intrusion Detection Model using a novel optimal weight strategy based on Genetic Algorithm for Ensemble Classifier 2018 ,			3
119	A simulation system for flexible transit services based on E-CARGO 2018 ,			1
118	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 3418-3424	7.3		21
117	Time-aware trustworthiness ranking prediction for cloud services using interval neutrosophic set and ELECTRE. <i>Knowledge-Based Systems</i> , 2017 , 138, 27-45	7.3		28
116	Vitamin C deficiency exacerbates diabetic glomerular injury through activation of transforming growth factor- β signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2186-2195	4		7
115	Multi-valued collaborative QoS prediction for cloud service via time series analysis. <i>Future Generation Computer Systems</i> , 2017 , 68, 275-288	7.5		34
114	The thrust fluctuation suppression of segmented double sided linear induction motor 2017 ,			1
113	2017 ,			2
112	Group role assignment with agents' business degrees 2017 ,			4
111	Resource allocation policy based on trust in the multi-cloud environment 2017 ,			1
110	A Lightweight Social Computing Approach to Emergency Management Policy Selection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1075-1087	7.3		4
109	Solving the Many to Many assignment problem by improving the Kuhn-Munkres algorithm with backtracking. <i>Theoretical Computer Science</i> , 2016 , 618, 30-41	1.1		50
108	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 76-92	7.3		25
107	Research on automatic focusing technique based on image autocollimation. <i>Optik</i> , 2016 , 127, 148-151	2.5		7
106	When to Re-staff a Late Project? An E-CARGO Approach. <i>Lecture Notes in Computer Science</i> , 2016 , 201-217.			9
105	Group role assignment based on multiple criteria in collaboration systems 2016 ,			1
104	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 535-547	7.3		51
103	Support Collaboration with Roles 2015 , 575-598			1

102	Advances and Challenges in Intelligent Adaptive Interface Design 2015 , 367-424		0
101	Hedgehog signaling through GLI1 and GLI2 is required for epithelial-mesenchymal transition in human trophoblasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 1438-48	4	32
100	An accelerated simulation model for the isolation stage of the smart energy router system 2015 ,		1
99	Adaptive Collaboration Systems: Self-Sustaining Systems for Optimal Performance. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2015 , 1, 8-15	1.6	3
98	A Role-Permission Assignment Method of RBAC Involved Conflicting Constraints under E-CARGO. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2015 , 9, 49-64	0.9	2
97	. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2015 , 1, 27-36	1.6	17
96	Hedgehog signaling stimulates the conversion of cholesterol to steroids. <i>Cellular Signalling</i> , 2015 , 27, 487-97	4.9	19
95	Evaluation on the immunotherapy efficacies of synthetic peptide vaccines in asthmatic mice with group I and II allergens from <i>Dermatophagoides pteronyssinus</i> . <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 20402-12		2
94	Propagation properties of hollow sinh-Gaussian beams through fractional Fourier transform optical systems. <i>Optics and Laser Technology</i> , 2014 , 59, 116-122	4.2	16
93	A cooperative multi-classifier method for local area meteorological data mining 2014 ,		1
92	The propagation of hypergeometric beams through an annular apertured paraxial ABCD optical system. <i>Laser Physics</i> , 2014 , 24, 125002	1.2	5
91	Asymmetric transmission through metallic grating with dielectric substrate. <i>Optics Communications</i> , 2014 , 318, 41-46	2	10
90	Research on detection system of optical sights triaxial parallelism. <i>Optik</i> , 2014 , 125, 4427-4430	2.5	3
89	A Collaborative and Adaptive Intrusion Detection Based on SVMs and Decision Trees 2014 ,		6
88	2014 ,		2
87	Policy evaluation and analysis of choosing whom to tweet information on social media 2014 ,		1
86	Effective approaches to group role assignment with a flexible formation 2014 ,		2
85	Effective approaches to Adaptive Collaboration 2014 ,		3

84	Dehydroascorbic acid taken up by glucose transporters stimulates estradiol production through inhibition of JNK/c-Jun/AP1 signaling in JAR cells. <i>Molecular Human Reproduction</i> , 2014 , 20, 799-809	4.4	11
83	A Cooperative Intrusion Detection Model for Cloud Computing Networks. <i>International Journal of Security and Its Applications</i> , 2014 , 8, 107-118	2	7
82	A Two-Layer Approach to Developing Self-Adaptive Multi-Agent Systems in Open Environment. <i>International Journal of Agent Technologies and Systems</i> , 2014 , 6, 65-85		3
81	A three-phase 10 kVAC-750 VDC power electronic transformer for smart distribution grid 2013 ,		28
80	An Inner Current Suppressing Method for Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 4873-4879	7.2	190
79	Agent Evaluation in Distributed Adaptive Systems 2013 ,		1
78	2013 ,		4
77	A Cooperative Intrusion Detection Model Based on Granular Computing and Agent Technologies. <i>International Journal of Agent Technologies and Systems</i> , 2013 , 5, 54-74		5
76	Efficient Role Transfer Based on Kuhn-Munkres Algorithm. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 491-496		56
75	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 739-750		146
74	Agent training plan for sustainable groups 2012 ,		2
73	An Efficient Outpatient Scheduling Approach. <i>IEEE Transactions on Automation Science and Engineering</i> , 2012 , 9, 701-709	4.9	40
72	Fractional Fourier transform for confluent hypergeometric beams. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 2627-2631	2.3	16
71	Design of Power Electronic Transformer Based on Modular Multilevel Converter 2012 ,		10
70	Ascorbic acid uptaken by sodium-dependent vitamin C transporter 2 induces BCG expression through Sp1 and TFAP2A transcription factors in human choriocarcinoma cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1667-76	5.6	16
69	A novel inner current suppressing method for modular multilevel converters 2012 ,		6
68	Adaptive Collaboration Based on the E-CARGO Model. <i>International Journal of Agent Technologies and Systems</i> , 2012 , 4, 59-76		12
67	Autonomous role discovery for collaborating agents. <i>Software - Practice and Experience</i> , 2012 , 42, 707-731	3.5	2

66	An Improved Pulse Width Modulation Method for Chopper-Cell-Based Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3472-3481	7.2	167
65	Propagation of Bessel-Gaussian beams through a double-apertured fractional Fourier transform optical system. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 1728-33	1.8	5
64	Role Assignment for an Agent Group in Consideration of Conflicts among Agents. <i>Lecture Notes in Computer Science</i> , 2012 , 267-279	0.9	3
63	Mid-Field Magnetic Resonance Imaging and Cross-Sectional Anatomy of the Yearling Chinese Equine Distal Forelimb. <i>Journal of Animal and Veterinary Advances</i> , 2012 , 11, 1633-1642	0.1	
62	Extraordinary Coupling Into One-Way Magneto-Optical Photonic Crystal Waveguide. <i>Journal of Lightwave Technology</i> , 2011 , 29, 708-713	4	9
61	Optical Isolation Based on Nonreciprocal Micro-Ring Resonator. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1647-1651	4	8
60	Nonreciprocal extraordinary optical transmission through subwavelength slits in metallic film. <i>Optics Letters</i> , 2011 , 36, 1308-10	3	29
59	Optimizing Operator-Agent Interaction in Intelligent Adaptive Interface Design: A Conceptual Framework. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2011 , 41, 161-178		37
58	Small-signal stability analysis of parallel-connected inverters based on time-varying phasor 2011 ,		3
57	Minimal privacy authorization in web services collaboration. <i>Computer Standards and Interfaces</i> , 2011 , 33, 332-343	3.5	11
56	Analysis of the minimal privacy disclosure for web services collaborations with role mechanisms. <i>Expert Systems With Applications</i> , 2011 , 38, 4540-4549	7.8	14
55	Enabling dynamic roles for agents 2011 ,		2
54	2011 ,		4
53	2011 ,		4
52	Role-Based Human-Computer Interactions. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2011 , 5, 37-57	0.9	4
51	An Improved Algorithm of Bayesian Text Categorization. <i>Journal of Software</i> , 2011 , 6,	3	8
50	Naive Bayesian Classifier Based on the Improved Feature Weighting Algorithm. <i>Communications in Computer and Information Science</i> , 2011 , 142-147	0.3	6
49	A Privacy Access Control Framework for Web Services Collaboration with Role Mechanisms. <i>Communications in Computer and Information Science</i> , 2011 , 258-263	0.3	1

48	A Least-Laxity-First Scheduling Algorithm of Variable Time Slice for Periodic Tasks. <i>International Journal of Software Science and Computational Intelligence</i> , 2010 , 2, 86-104	1.4	2
47	Perspectives on Cognitive Informatics and Cognitive Computing. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2010 , 4, 1-29	0.9	51
46	Issues in Adaptive Collaboration 2010 ,		3
45	Verification of Privacy Requirements in Web Services Composition 2010 ,		7
44	2010 ,		3
43	Broadband unidirectional electromagnetic mode at interface of anti-parallel magnetized media. <i>Optics Express</i> , 2010 , 18, 6914-21	3.3	32
42	Control of three-phase PWM rectifier under unbalanced input voltage conditions without sequential component extraction 2010 ,		2
41	Single-Loop Digital Control of High-Power 400-Hz Ground Power Unit for Airplanes. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 532-543	8.9	79
40	Control of Three-Phase Boost-Type PWM Rectifier in Stationary Frame Under Unbalanced Input Voltage. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2521-2530	7.2	80
39	Establishing the foundation of adaptive collaboration 2010 ,		6
38	Role-Based Autonomic Systems. <i>International Journal of Software Science and Computational Intelligence</i> , 2010 , 2, 32-51	1.4	7
37	2009 ,		11
36	2009 ,		16
35	2009 ,		4
34	Restrain mental workload with roles in HCI 2009 ,		5
33	Agent evaluations for role assignment 2009 ,		9
32	Granular problem solving and its applications in software engineering. <i>International Journal of Granular Computing, Rough Sets and Intelligent Systems</i> , 2009 , 1, 150		0
31	Intelligent Decision-Making System Based on Data Mining 2009 ,		1

30	Design and Performance Analysis of High Power Static 400-Hz Supply 2009 ,		2
29	MM Role-Transfer Problems and Their Solutions. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2009 , 39, 448-459		38
28	A novel feature weight algorithm for text categorization 2008 ,		2
27	A new digital control method for high performance 400 Hz ground power unit 2008 ,		1
26	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 1442-1450		29
25	A visualized tool of role transfer. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008 ,	2	6
24	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 377-396		54
23	Role-Based Chatting. <i>Journal of Software</i> , 2008 , 3,	3	3
22	An Improved Least-Laxity-First Scheduling Algorithm of Variable Time Slice for Periodic Tasks 2007 ,		2
21	A novel feature selection algorithm for text categorization. <i>Expert Systems With Applications</i> , 2007 , 33, 1-5	7.8	224
20	An Algorithm to Improve the Effectiveness of Apriori 2007 ,		10
19	Separating Designs from Implementations: Role-Based Software Development 2006 ,		2
18	Implementing a Tool for Role-Based Collaboration 2006 ,		1
17	Role mechanisms in collaborative systems. <i>International Journal of Production Research</i> , 2006 , 44, 181-193	38	36
16	An Adaptive Fuzzy kNN Text Classifier Based on Gini Index Weight 2006 ,		3
15	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2006 , 36, 578-589		140
14	A Role-Based Approach to Robot Agent Team Design 2006 ,		2
13	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2006 , 36, 1110-1123		28

12	An Adaptive Fuzzy kNN Text Classifier. <i>Lecture Notes in Computer Science</i> , 2006 , 216-223	0.9	4
11	An Improved kNN Algorithm Fuzzy kNN. <i>Lecture Notes in Computer Science</i> , 2005 , 741-746	0.9	13
10	Methodology first and language second 2003 ,		13
9	Building reusable components with service-oriented architectures		1
8	Some issues of role-based collaboration		1
7	Role-Based Autonomic Systems165-184		1
6	A Least-Laxity-First Scheduling Algorithm of Variable Time Slice for Periodic Tasks316-333		
5	Role-Based Human-Computer Interactions35-53		
4	A Two-Layer Approach to Developing Self-Adaptive Multi-Agent Systems in Open Environment585-606		
3	Towards Multiple-Layer Self-Adaptations of Multi-Agent Organizations Using Reinforcement Learning. <i>Advances in Computational Intelligence and Robotics Book Series</i> ,66-95	0.4	1
2	Role-Based Multi-Agent Systems254-285		3
1	From WYSIWIS to WISINWIS: role-based collaboration		3