Jamal Bentahar

List of Publications by Citations

133 papers	**1,576** citations	**21** h-index	**30** g-index
147 ext. papers	**1,946** ext. citations	**3.7** avg, IF	**5.36** L-index

#	Paper	IF	Citations
133	A survey on trust and reputation models for Web services: Single, composite, and communities. *Decision Support Systems*, **2015**, 74, 121-134	5.6	90
132	CEAP: SVM-based intelligent detection model for clustered vehicular ad hoc networks. *Expert Systems With Applications*, **2016**, 50, 40-54	7.8	65
131	. *IEEE Transactions on Services Computing*, **2018**, 11, 184-201	4.8	53
130	CRM: An efficient trust and reputation model for agent computing. *Knowledge-Based Systems*, **2012**, 30, 1-16	7.3	42
129	A taxonomy of argumentation models used for knowledge representation. *Artificial Intelligence Review*, **2010**, 33, 211-259	9.7	39
128	An Argumentation Framework for Communities of Web Services. *IEEE Intelligent Systems*, **2007**, 22, 75-83	4.2	37
127	BigTrustScheduling: Trust-aware big data task scheduling approach in cloud computing environments. *Future Generation Computer Systems*, **2020**, 110, 1079-1097	7.5	34
126	AI, Blockchain, and Vehicular Edge Computing for Smart and Secure IoV: Challenges and Directions. *IEEE Internet of Things Magazine*, **2020**, 3, 68-73	3.5	33
125	Symbolic model checking composite Web services using operational and control behaviors. *Expert Systems With Applications*, **2013**, 40, 508-522	7.8	32
124	An Approach to Engineer Communities of Web Services. *International Journal of E-Business Research*, **2009**, 5, 1-21	0.7	32
123	Verifying conformance of multi-agent commitment-based protocols. *Expert Systems With Applications*, **2013**, 40, 122-138	7.8	31
122	A Crowd-Sensing Framework for Allocation of Time-Constrained and Location-Based Tasks. *IEEE Transactions on Services Computing*, **2020**, 13, 769-785	4.8	30
121	A Stackelberg game for distributed formation of business-driven services communities. *Expert Systems With Applications*, **2016**, 45, 359-372	7.8	29
120	Probabilistic approach for QoS-aware recommender system for trustworthy web service selection. *Applied Intelligence*, **2014**, 41, 503-524	4.9	29
119	Communicative commitments: Model checking and complexity analysis. *Knowledge-Based Systems*, **2012**, 35, 21-34	7.3	28
118	Reducing model checking commitments for agent communication to model checking ARCTL and GCTL*. *Autonomous Agents and Multi-Agent Systems*, **2013**, 27, 375-418	2	26
117	Reputation of Communities of Web Services - Preliminary Investigation **2008**,		26

116	Optimal Load Distribution for the Detection of VM-Based DDoS Attacks in the Cloud. *IEEE Transactions on Services Computing*, **2020**, 13, 114-129	4.8	26
115	Agent-based communities of web services: an argumentation-driven approach. *Service Oriented Computing and Applications*, **2008**, 2, 219-238	1.6	22
114	Analyzing Communities of Web Services Using Incentives. *International Journal of Web Services Research*, **2010**, 7, 30-51	0.8	22
113	Model checking temporal knowledge and commitments in multi-agent systems using reduction. *Simulation Modelling Practice and Theory*, **2015**, 51, 45-68	3.9	21
112	Modeling and verifying choreographed multi-agent-based web service compositions regulated by commitment protocols. *Expert Systems With Applications*, **2014**, 41, 7478-7494	7.8	21
111	**2012**,		21
110	. *IEEE Transactions on Services Computing*, **2016**, 9, 968-981	4.8	20
109	Using argumentation to model and deploy agent-based applications. *Knowledge-Based Systems*, **2010**, 23, 677-692	7.3	20
108	Model checking communicative agent-based systems. *Knowledge-Based Systems*, **2009**, 22, 142-159	7.3	19
107	Commitment and Argument Network: A New Formalism for Agent Communication. *Lecture Notes in Computer Science*, **2004**, 146-165	0.9	19
106	Deep and reinforcement learning for automated task scheduling in large-scale cloud computing systems. *Concurrency Computation Practice and Experience*, **2020**, e5919	1.4	19
105	Monetizing Personal Data: A Two-Sided Market Approach. *Procedia Computer Science*, **2016**, 83, 472-479	1.6	19
104	. *IEEE Transactions on Services Computing*, **2015**, 8, 586-600	4.8	17
103	Resource-Aware Detection and Defense System against Multi-Type Attacks in the Cloud: Repeated Bayesian Stackelberg Game. *IEEE Transactions on Dependable and Secure Computing*, **2021**, 18, 605-622	3.9	17
102	Agent-based game-theoretic model for collaborative web services: Decision making analysis. *Expert Systems With Applications*, **2013**, 40, 3207-3219	7.8	16
101	Deep Smart Scheduling: A Deep Learning Approach for Automated Big Data Scheduling Over the Cloud **2019**,		16
100	An endorsement-based trust bootstrapping approach for newcomer cloud services. *Information Sciences*, **2020**, 527, 159-175	7.7	16
99	Measuring and analyzing agents uncertainty in argumentation-based negotiation dialogue games. *Expert Systems With Applications*, **2014**, 41, 306-320	7.8	15

80	On the soundness, completeness and applicability of the logic of knowledge and communicative commitments in multi-agent systems. *Expert Systems With Applications*, **2016**, 43, 223-236	7.8	9
79	A Trust and Energy-Aware Double Deep Reinforcement Learning Scheduling Strategy for Federated Learning on IoT Devices. *Lecture Notes in Computer Science*, **2020**, 319-333	0.9	9
78	Toward monetizing personal data: A two-sided market analysis. *Future Generation Computer Systems*, **2020**, 111, 435-459	7.5	9
77	A Computational Model for Conversation Policies for Agent Communication. *Lecture Notes in Computer Science*, **2005**, 178-195	0.9	9
76	Model checking real-time conditional commitment logic using transformation. *Journal of Systems and Software*, **2018**, 138, 189-205	3.3	8
75	Model checking probabilistic social commitments for intelligent agent communication. *Applied Soft Computing Journal*, **2014**, 22, 397-409	7.5	8
74	On the analysis of reputation for agent-based web services. *Expert Systems With Applications*, **2012**, 39, 12438-12450	7.8	8
73	Analyzing Communities vs. Single Agent-Based Web Services: Trust Perspectives **2010**,		8
72	Formalizing Group and Propagated Trust in Multi-Agent Systems **2020**,		8
71	A New Logical Semantics for Agent Communication **2006**, 151-170		8
70	Specification and Complexity of Strategic-Based Reasoning Using Argumentation **2006**, 142-160		8
69	How to Distribute the Detection Load among Virtual Machines to Maximize the Detection of Distributed Attacks in the Cloud? **2016**,		8
68	Two-stage game theoretical framework for IaaS market share dynamics. *Future Generation Computer Systems*, **2020**, 102, 173-189	7.5	8
67	Agents Uncertainty in Argumentation-based Negotiation: Classification and Implementation. *Procedia Computer Science*, **2014**, 32, 61-68	1.6	7
66	Cloud Task Scheduling Based on Swarm Intelligence and Machine Learning **2017**,		7
65	Social Network-Based Framework for Web Services Discovery **2014**,		7
64	Conditional Commitments. *ACM Transactions on Software Engineering and Methodology*, **2014**, 24, 1-49	3.3	7
63	Social Network-Based Trust for Agent-Based Services **2009**,		7

62	On the Detection of Passive Malicious Providers in Cloud Federations. *IEEE Communications Letters*, **2019**, 23, 64-67	3.8	7
61	Demand-Driven Deep Reinforcement Learning for Scalable Fog and Service Placement. *IEEE Transactions on Services Computing*, **2021**, 1-1	4.8	7
60	Model checking intelligent avionics systems for test cases generation using multi-agent systems. *Expert Systems With Applications*, **2020**, 156, 113458	7.8	6
59	I Know You Are Watching Me: Stackelberg-Based Adaptive Intrusion Detection Strategy for Insider Attacks in the Cloud **2017**,		6
58	A Game Theoretic Approach for Analyzing the Efficiency of Web Services in Collaborative Networks **2011**,		6
57	Modeling and Verifying Agent-Based Communities of Web Services. *Lecture Notes in Computer Science*, **2010**, 418-427	0.9	6
56	Model Checking Epistemic and Probabilistic Properties of Multi-agent Systems. *Lecture Notes in Computer Science*, **2011**, 68-78	0.9	6
55	Formal verification of group and propagated trust in multi-agent systems. *Autonomous Agents and Multi-Agent Systems*, **2022**, 36, 1	2	6
54	SMC4AC: A New Symbolic Model Checker for Intelligent Agent Communication. *Fundamenta Informaticae*, **2017**, 152, 223-271	1	5
53	Context-aware composite SaaS using feature model. *Future Generation Computer Systems*, **2019**, 99, 376-390	7.5	5
52	Computational logics and verification techniques of multi-agent commitments: survey. *Knowledge Engineering Review*, **2015**, 30, 564-606	2.1	5
51	Modelling Multi-agent Systems with Category Theory. *Procedia Computer Science*, **2015**, 52, 538-545	1.6	5
50	An Argumentation-Driven Model for Flexible and Efficient Persuasive Negotiation. *Group Decision and Negotiation*, **2011**, 20, 411-435	2.5	5
49	Cloud computing as a platform for monetizing data services: A two-sided game business model. *IEEE Transactions on Network and Service Management*, **2021**, 1-1	4.8	5
48	A Game-Based Secure Trading of Big Data and IoT Services: Blockchain as a Two-Sided Market. *Lecture Notes in Computer Science*, **2020**, 85-100	0.9	5
47	FScaler: Automatic Resource Scaling of Containers in Fog Clusters Using Reinforcement Learning **2020**,		5
46	Improving Autonomous Vehicles Safety in Snow Weather Using Federated YOLO CNN Learning. *Lecture Notes in Computer Science*, **2021**, 121-134	0.9	5
45	Cloudchain: A Blockchain-Based Coopetition Differential Game Model for Cloud Computing. *Lecture Notes in Computer Science*, **2018**, 146-161	0.9	5

44	Formal Specification and Automatic Verification of Conditional Commitments. *IEEE Intelligent Systems*, **2015**, 30, 36-44	4.2	4
43	Misbehavior Detection Framework for Community-Based Cloud Computing **2015**,		4
42	Reasoning about Trust and Time in a System of Agents. *Procedia Computer Science*, **2017**, 109, 632-639	1.6	4
41	Mobile phishing attack for Android platform **2014**,		4
40	Verifying Multiagent-Based Web Service Compositions Regulated by Commitment Protocols **2014**,		4
39	Modeling and verifying probabilistic Multi-Agent Systems using knowledge and social commitments. *Expert Systems With Applications*, **2014**, 41, 6291-6304	7.8	4
38	To compete or cooperate? This is the question in communities of autonomous services. *Expert Systems With Applications*, **2014**, 41, 4878-4890	7.8	4
37	A New Approach for Quality Enforcement in Communities of Web Services **2011**,		4
36	Modeling and Verifying Business Interactions via Commitments and Dialogue Actions. *Lecture Notes in Computer Science*, **2010**, 11-21	0.9	4
35	Real-Time Conditional Commitment Logic. *Lecture Notes in Computer Science*, **2015**, 547-556	0.9	4
34	Federated against the cold: A trust-based federated learning approach to counter the cold start problem in recommendation systems. *Information Sciences*, **2022**, 601, 189-206	7.7	4
33	Refined game-theoretic approach to improve authenticity of outsourced databases. *Journal of Ambient Intelligence and Humanized Computing*, **2017**, 8, 329-344	3.7	3
32	A managerial community of Web Services for management of communities of Web Services **2010**,		3
31	Using Trustworthy and Referee Agents to Secure Multi-Agent Systems **2008**,		3
30	An approach to comprehensive trust management in multi-agent systems with credibility **2008**,		3
29	A security framework for agent-based systems. *International Journal of Web Information Systems*, **2007**, 3, 341-362	0.9	3
28	Web Services Communities333-343		3
27	Strategic Agent Communication: An Argumentation-Driven Approach. *Lecture Notes in Computer Science*, **2009**, 233-250	0.9	3

26	Game-Theoretic Analysis of a Web Services Collaborative Mechanism. *Lecture Notes in Computer Science*, **2011**, 549-556	0.9	3
25	A Blockchain-Based Model for Cloud Service Quality Monitoring. *IEEE Transactions on Services Computing*, **2019**, 1-1	4.8	3
24	Dependency Network-based Trust Management for Context-Aware Web Services. *Procedia Computer Science*, **2019**, 151, 583-590	1.6	2
23	Reputation in Communities of Agent-Based Web Services Through Data Mining. *Lecture Notes in Computer Science*, **2015**, 79-92	0.9	2
22	Reasoning about social commitments in the presence of uncertainty **2013**,		2
21	Agent Types and Adaptive Negotiation Strategies in Argumentation-Based Negotiation **2014**,		2
20	On the Verification of Behavioral and Probabilistic Web Services Using Transformation **2011**,		2
19	A Multi-agent-based Approach to Improve Intrusion Detection Systems False Alarm Ratio by Using Honeypot **2009**,		2
18	Computational logic-based agents. *Autonomous Agents and Multi-Agent Systems*, **2008**, 16, 211-213	2	2
17	Modeling and Forecasting Time Series of Compositional Data: A Generalized Dirichlet Power Steady Model. *Lecture Notes in Computer Science*, **2015**, 170-185	0.9	2
16	Social Web Services Research Roadmap. *Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series*, **2013**, 220-233	0.4	2
15	Multi-dimensional trust for context-aware services computing. *Expert Systems With Applications*, **2021**, 172, 114592	7.8	2
14	Verifying concurrent probabilistic systems using probabilistic-epistemic logic specifications. *Applied Intelligence*, **2016**, 45, 747-776	4.9	2
13	From use case maps to executable test procedures: a scenario-based approach. *Software and Systems Modeling*, **2019**, 18, 1543-1570	1.9	2
12	Model checking agent-based communities against uncertain group commitments and knowledge. *Expert Systems With Applications*, **2021**, 177, 114792	7.8	2
11	A Tableau Method for Verifying Dialogue Game Protocols for Agent Communication. *Lecture Notes in Computer Science*, **2006**, 223-244	0.9	2
10	Trust-driven reinforcement selection strategy for federated learning on IoT devices. *Computing (Vienna/New York)*,1	2.2	2
9	Efficient Coalition Formation for Web Services **2013**,		1

LIST OF PUBLICATIONS

8	Verifiable outsourced database in the cloud using game theory **2017**,		1
7	Verification and testing of safety-critical airborne systems: A model-based methodology. *Computer Science and Information Systems*, **2020**, 17, 271-292	0.8	1
6	Cloud as platform for monetizing complementary data for AI-driven services: A two-sided cooperative game **2021**,		1
5	Scheduling Reputation Maintenance in Agent-based Communities Using Game Theory. *Journal of Software*, **2012**, 7,	3	1
4	Enabling Secure Trustworthiness Assessment and Privacy Protection in Integrating Data for Trading Person-Specific Information. *IEEE Transactions on Engineering Management*, **2021**, 68, 149-169	2.6	1
3	Multi-Objective Self-Adaptive Composite SaaS Using Feature Model **2018**,		1
2	Dynamic formation of service communities in the cloud under distribution and incomplete information settings. *Concurrency Computation Practice and Experience*, **2020**, 32, e4338	1.4	0
1	UNCERTAINTY-BASED TRUST ESTIMATION IN A MULTI-VALUED TRUST ENVIRONMENT. *International Journal on Artificial Intelligence Tools*, **2013**, 22, 1360003	0.9	