

Nick Bassiliades

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.

151
papers

2,034
citations

23
h-index

40
g-index

169
ext. papers

2,414
ext. citations

2.5
avg, IF

5.32
L-index

#	Paper	IF	Citations
151	Sboing4Real: A real-time crowdsensing-based traffic management system. <i>Journal of Parallel and Distributed Computing</i> , 2022 , 162, 59-75	4.4	
150	Intelligent momentary assisted control for autonomous emergency braking. <i>Simulation Modelling Practice and Theory</i> , 2022 , 115, 102450	3.9	1
149	Doc2KG. <i>International Journal on Semantic Web and Information Systems</i> , 2022 , 18, 1-20	1.4	2
148	Mechanism Design for Efficient Offline and Online Allocation of Electric Vehicles to Charging Stations. <i>Energies</i> , 2022 , 15, 1660	3.1	1
147	SENSE: A Flow-Down Semantics-Based Requirements Engineering Framework. <i>Algorithms</i> , 2021 , 14, 2981.8		
146	Argumentation and explainable artificial intelligence: a survey. <i>Knowledge Engineering Review</i> , 2021 , 36,	2.1	10
145	A Tool for Transforming Semantic Web Rule Language to SPARQL Inferencing Notation. <i>International Journal on Semantic Web and Information Systems</i> , 2020 , 16, 87-115	1.4	2
144	Mechanism design for efficient allocation of electric vehicles to charging stations 2020 ,		3
143	Towards a Requirements Engineering Framework based on Semantics 2020 ,		1
142	An agent-based negotiation scheme for the distribution of electric vehicles across a set of charging stations. <i>Simulation Modelling Practice and Theory</i> , 2020 , 100, 102040	3.9	10
141	Offline and Online Electric Vehicle Charging Scheduling With V2V Energy Transfer. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2128-2138	6.1	37
140	StoRM: A social agent-based trust model for the internet of things adopting microservice architecture. <i>Simulation Modelling Practice and Theory</i> , 2019 , 94, 286-302	3.9	10
139	Towards Online Electric Vehicle Scheduling for Mobility-On-Demand Schemes. <i>Lecture Notes in Computer Science</i> , 2019 , 94-108	0.9	1
138	On the necessity of multiple university rankings. <i>Collnet Journal of Scientometrics and Information Management</i> , 2019 , 13, 11-36	0.5	9
137	Towards Linking DBpedia Bibliographic References to Bibliographic Repositories. <i>Lecture Notes in Computer Science</i> , 2018 , 120-129	0.9	
136	Combining community-based knowledge with association rule mining to alleviate the cold start problem in context-aware recommender systems. <i>Expert Systems With Applications</i> , 2018 , 101, 78-90	7.8	47
135	EVLibSim: A tool for the simulation of electric vehicles charging stations using the EVLib library. <i>Simulation Modelling Practice and Theory</i> , 2018 , 87, 99-119	3.9	16

134	Towards Multipolicy Argumentation 2018 ,		2
133	Algorithms for electric vehicle scheduling in large-scale mobility-on-demand schemes. <i>Artificial Intelligence</i> , 2018 , 262, 248-278	3.6	20
132	PaaSport semantic model: An ontology for a platform-as-a-service semantically interoperable marketplace. <i>Data and Knowledge Engineering</i> , 2018 , 113, 81-115	1.5	11
131	A Rule-Based eCommerce Methodology for the IoT Using Trustworthy Intelligent Agents and Microservices. <i>Lecture Notes in Computer Science</i> , 2018 , 302-309	0.9	2
130	ORDAIN: An Ontology for Trust Management in the Internet of Things. <i>Lecture Notes in Computer Science</i> , 2017 , 216-223	0.9	3
129	Modeling human daily preferences through a context-aware web-mapping system using semantic technologies. <i>Pervasive and Mobile Computing</i> , 2017 , 38, 14-40	3.5	5
128	A semantic recommendation algorithm for the PaaSport platform-as-a-service marketplace. <i>Expert Systems With Applications</i> , 2017 , 67, 203-227	7.8	19
127	The Tomaco Hybrid Matching Framework for SAWSDL Semantic Web Services. <i>IEEE Transactions on Services Computing</i> , 2016 , 9, 954-967	4.8	13
126	EVLib 2016 ,		1
125	DISARM: A social distributed agent reputation model based on defeasible logic. <i>Journal of Systems and Software</i> , 2016 , 117, 130-152	3.3	8
124	An ontology-based decision support tool for optimizing domestic solar hot water system selection. <i>Journal of Cleaner Production</i> , 2016 , 112, 4636-4646	10.3	29
123	A policy-based B2C e-Contract management workflow methodology using semantic web agents. <i>Artificial Intelligence and Law</i> , 2016 , 24, 93-131	2.2	4
122	Towards an optimal EV charging scheduling scheme with V2G and V2V energy transfer 2016 ,		25
121	Towards an Agent-Based Negotiation Scheme for Scheduling Electric Vehicles Charging. <i>Lecture Notes in Computer Science</i> , 2016 , 157-171	0.9	1
120	Semantically Aware Web Service Composition Through AI Planning. <i>International Journal on Artificial Intelligence Tools</i> , 2015 , 24, 1450015	0.9	5
119	Rule-based approaches for energy savings in an ambient intelligence environment. <i>Pervasive and Mobile Computing</i> , 2015 , 19, 1-23	3.5	25
118	Algorithms for Electric Vehicle Scheduling in Mobility-on-Demand Schemes 2015 ,		4
117	Managing Electric Vehicles in the Smart Grid Using Artificial Intelligence: A Survey. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 1619-1635	6.1	143

116	A context-aware web-mapping system for group-targeted offers using semantic technologies. <i>Expert Systems With Applications</i> , 2015 , 42, 4443-4459	7.8	9
115	A Survey of Agent Platforms. <i>Jasss</i> , 2015 , 18,	4.8	166
114	Providing a context-aware location based web service through semantics and user-defined rules 2014 ,		5
113	A Multi-agent Coordination Framework for Smart Building Energy Management 2014 ,		7
112	Choreographing agent encounters in the Semantic Web using rules. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 27, 625-640	1.6	1
111	Agent reasoning on the web using web services?. <i>Computer Science and Information Systems</i> , 2014 , 11, 697-721	0.8	4
110	Using Rules to Develop a Personalized and Social Location Information System for the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2014 , 82-96	0.9	2
109	Collecting University Rankings for Comparison Using Web Extraction and Entity Linking Techniques. <i>Communications in Computer and Information Science</i> , 2014 , 23-46	0.3	2
108	Using RuleML for Representing and Prolog for Simulating Fuzzy Cognitive Maps. <i>Intelligent Systems Reference Library</i> , 2014 , 65-87	0.8	
107	Building a Logic for a Public Administration Service Transformation Algorithm. <i>Communications in Computer and Information Science</i> , 2014 , 73-79	0.3	1
106	Ontology-based sentiment analysis of twitter posts. <i>Expert Systems With Applications</i> , 2013 , 40, 4065-4074	7.8	231
105	Web Service Composition Plans in OWL-S. <i>Communications in Computer and Information Science</i> , 2013 , 240-254	0.3	1
104	Congestion management for urban EV charging systems 2013 ,		29
103	Bridging the HASM: An OWL ontology for modeling the information pathways in haptic interfaces software. <i>Expert Systems With Applications</i> , 2013 , 40, 1358-1371	7.8	9
102	RuleML representation and simulation of Fuzzy Cognitive Maps. <i>Expert Systems With Applications</i> , 2013 , 40, 1413-1426	7.8	16
101	Enabling agent reasoning over the web 2013 ,		1
100	The PORSCHE II framework: using AI planning for automated Semantic Web service composition. <i>Knowledge Engineering Review</i> , 2013 , 28, 137-156	2.1	21
99	DEiXTo 2013 ,		6

98	A Rule Based Personalized Location Information System for the Semantic Web. <i>Lecture Notes in Business Information Processing</i> , 2013 , 27-38	0.6	1
97	Knowledge-Based e-Contract Negotiation among Agents Using Semantic Web Technologies. <i>Lecture Notes in Computer Science</i> , 2013 , 215-224	0.9	2
96	A Modal Defeasible Reasoner of Deontic Logic for the Semantic Web 2013 , 140-167		
95	Cross-community interoperation between knowledge-based multi-agent systems: A study on EMERALD and Rule Responder. <i>Expert Systems With Applications</i> , 2012 , 39, 9571-9587	7.8	6
94	An Integrated Approach to Automated Semantic Web Service Composition through Planning. <i>IEEE Transactions on Services Computing</i> , 2012 , 5, 319-332	4.8	60
93	BOnSAI 2012 ,		46
92	Agents and knowledge interoperability in the semantic web era 2012 ,		3
91	Advanced agent discovery services 2012 ,		2
90	Semantically-enhanced authoring of defeasible logic rule bases in the semantic web 2012 ,		2
89	SWRL2COOL: Object-Oriented Transformation of SWRL in the CLIPS Production Rule Engine. <i>Lecture Notes in Computer Science</i> , 2012 , 49-56	0.9	2
88	HARM: A Hybrid Rule-Based Agent Reputation Model Based on Temporal Defeasible Logic. <i>Lecture Notes in Computer Science</i> , 2012 , 193-207	0.9	1
87	Personalizing Location Information through Rule-Based Policies. <i>Lecture Notes in Computer Science</i> , 2012 , 215-223	0.9	3
86	Paving the Way for a Transformational Public Administration. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 194-203	0.2	
85	An Ontological Business Process Modeling Approach for Public Administration 2012 , 725-753		1
84	A combinatorial framework of Web 2.0 mashup tools, OWL-S and UDDI. <i>Expert Systems With Applications</i> , 2011 , 38, 6657-6668	7.8	12
83	Detecting Antipatterns Using a Web-Based Collaborative Antipattern Ontology Knowledge Base. <i>Lecture Notes in Business Information Processing</i> , 2011 , 478-488	0.6	1
82	CLIPSDWL: A framework for providing object-oriented extensional ontology queries in a production rule engine. <i>Data and Knowledge Engineering</i> , 2011 , 70, 661-681	1.5	9
81	SPARSE: A symptom-based antipattern retrieval knowledge-based system using Semantic Web technologies. <i>Expert Systems With Applications</i> , 2011 , 38, 7633-7646	7.8	18

80	Visualizing Semantic Web proofs of defeasible logic in the DR-DEVICE system. <i>Knowledge-Based Systems</i> , 2011 , 24, 406-419	7.3	23
79	A Modal Defeasible Reasoner of Deontic Logic for the Semantic Web. <i>International Journal on Semantic Web and Information Systems</i> , 2011 , 7, 18-43	1.4	11
78	Rule-Based Reasoning, Programming, and Applications. <i>Lecture Notes in Computer Science</i> , 2011 ,	0.9	2
77	Extending a Multi-agent Reasoning Interoperability Framework with Services for the Semantic Web Logic and Proof Layers. <i>Lecture Notes in Computer Science</i> , 2011 , 29-43	0.9	1
76	Cross-Community Interoperation between the EMERALD and Rule Responder Multi-Agent Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 44-51	0.9	1
75	Monitoring Conformance to the Internal Regulation of an MSc Course Using Ontologies and Rules. <i>Lecture Notes in Computer Science</i> , 2011 , 212-226	0.9	1
74	Guest Editors' Introduction: Rule Representation, Interchange, and Reasoning in Distributed, Heterogeneous Environments. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 1489-1494	4.2	3
73	Structural and Role-Oriented Web Service Discovery with Taxonomies in OWL-S. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 278-290	4.2	65
72	Semantic Awareness in Automated Web Service Composition through Planning. <i>Lecture Notes in Computer Science</i> , 2010 , 123-132	0.9	7
71	Ontology-Based Model Driven Engineering for Safety Verification 2010 ,		9
70	A visual programming system for automated problem solving. <i>Expert Systems With Applications</i> , 2010 , 37, 4611-4625	7.8	8
69	DLEJena: A practical forward-chaining OWL 2 RL reasoner combining Jena and Pellet. <i>Web Semantics</i> , 2010 , 8, 89-94	2.9	31
68	EMERALD: A Multi-Agent System for Knowledge-Based Reasoning Interoperability in the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2010 , 173-182	0.9	25
67	Deploying a Semantically-Enabled Content Management System in a State University. <i>Lecture Notes in Computer Science</i> , 2010 , 257-264	0.9	5
66	T-REX: A Hybrid Agent Trust Model Based on Witness Reputation and Personal Experience. <i>Lecture Notes in Business Information Processing</i> , 2010 , 107-118	0.6	2
65	A Contract Agreement Policy-Based Workflow Methodology for Agents Interacting in the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2010 , 225-239	0.9	7
64	On the Combination of Textual and Semantic Descriptions for Automated Semantic Web Service Classification. <i>IFIP Advances in Information and Communication Technology</i> , 2009 , 95-104	0.5	18
63	A Collision Detection and Resolution Multi Agent Approach Using Utility Functions 2009 ,		3

62	Semantic Web Service Composition Using Planning and Ontology Concept Relevance 2009 ,		2
61	Towards a Knowledge-Based Framework for Agents Interacting in the Semantic Web 2009 ,		5
60	Applying adaptive prediction to sea-water quality measurements. <i>Expert Systems With Applications</i> , 2009 , 36, 6773-6779	7.8	8
59	An adaptive personalized news dissemination system. <i>Journal of Intelligent Information Systems</i> , 2009 , 32, 191-212	2.1	50
58	A process-oriented ontology-based knowledge management system for facilitating operational procedures in public administration. <i>Expert Systems With Applications</i> , 2009 , 36, 4467-4478	7.8	41
57	A Trusted Defeasible Reasoning Service for Brokering Agents in the Semantic Web. <i>Studies in Computational Intelligence</i> , 2009 , 243-248	0.8	5
56	Visualizing RDF Documents. <i>IFIP Advances in Information and Communication Technology</i> , 2009 , 151-156	0.5	0
55	OntoLife: an Ontology for Semantically Managing Personal Information. <i>IFIP Advances in Information and Communication Technology</i> , 2009 , 127-133	0.5	3
54	A Rule-Based Object-Oriented OWL Reasoner. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 397-410	4.2	36
53	2008 ,		5
52	VISUAL MODELING OF DEFEASIBLE LOGIC RULES WITH DR-VisMo. <i>International Journal on Artificial Intelligence Tools</i> , 2008 , 17, 903-924	0.9	3
51	An ontology-based planning system for e-course generation. <i>Expert Systems With Applications</i> , 2008 , 35, 398-406	7.8	38
50	An empirical study on sea water quality prediction. <i>Knowledge-Based Systems</i> , 2008 , 21, 471-478	7.3	40
49	Deploying defeasible logic rule bases for the semantic web. <i>Data and Knowledge Engineering</i> , 2008 , 66, 116-146	1.5	21
48	A Synergy of Planning and Ontology Concept Ranking for Semantic Web Service Composition. <i>Lecture Notes in Computer Science</i> , 2008 , 42-51	0.9	2
47	Combining a DL Reasoner and a Rule Engine for Improving Entailment-Based OWL Reasoning. <i>Lecture Notes in Computer Science</i> , 2008 , 277-292	0.9	9
46	Rule Representation, Interchange and Reasoning on the Web. <i>Lecture Notes in Computer Science</i> , 2008 ,	0.9	2
45	Visualization of Proofs in Defeasible Logic. <i>Lecture Notes in Computer Science</i> , 2008 , 197-210	0.9	2

44	Visual Stratification of Defeasible Logic Rule Bases 2007 ,		1
43	DR-NEGOTIATE: A system for automated agent negotiation with defeasible logic-based strategies. <i>Data and Knowledge Engineering</i> , 2007 , 63, 362-380	1.5	36
42	DR-BROKERING: A semantic brokering system. <i>Knowledge-Based Systems</i> , 2007 , 20, 61-72	7.3	19
41	Monitoring water quality through a telematic sensor network and a fuzzy expert system. <i>Expert Systems</i> , 2007 , 24, 143-161	2.1	19
40	PASER: a curricula synthesis system based on automated problem solving. <i>International Journal of Teaching and Case Studies</i> , 2007 , 1, 159	0.5	5
39	Object-Oriented Similarity Measures for Semantic Web Service Matchmaking 2007 ,		7
38	A Visualization Algorithm for Defeasible Logic Rule Bases over RDF Data. <i>Lecture Notes in Computer Science</i> , 2007 , 367-369	0.9	
37	Proof Explanation in the DR-DEVICE System 2007 , 249-258		5
36	Cooperative CG-Wrappers for Web Content Extraction. <i>Lecture Notes in Computer Science</i> , 2007 , 476-479.	0.9	1
35	R-DEVICE. <i>International Journal on Semantic Web and Information Systems</i> , 2006 , 2, 24-90	1.4	19
34	A Defeasible Logic Reasoner for the Semantic Web. <i>International Journal on Semantic Web and Information Systems</i> , 2006 , 2, 1-41	1.4	66
33	Graphical Representation of Defeasible Logic Rules Using Digraphs. <i>Lecture Notes in Computer Science</i> , 2006 , 529-533	0.9	1
32	O-DEVICE: An Object-Oriented Knowledge Base System for OWL Ontologies. <i>Lecture Notes in Computer Science</i> , 2006 , 256-266	0.9	1
31	Towards Automatic Synthesis of Educational Resources Through Automated Planning. <i>Lecture Notes in Computer Science</i> , 2006 , 421-431	0.9	2
30	Visualizing Defeasible Logic Rules for the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2006 , 278-292.	0.9	7
29	Web Service Composition Using a Deductive XML Rule Language. <i>Distributed and Parallel Databases</i> , 2005 , 17, 135-178	0.9	5
28	A Visual Environment for Developing Defeasible Rule Bases for the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2005 , 172-186	0.9	7
27	A Deductive Semantic Brokering System. <i>Lecture Notes in Computer Science</i> , 2005 , 746-752	0.9	

26	A Graphical Rule Authoring Tool for Defeasible Reasoning in the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2005 , 404-414	0.9	
25	A Knowledge-Based Web Information System for the Fusion of Distributed Classifiers 2004 , 268-304		2
24	A System for Automated Agent Negotiation with Defeasible Logic-Based Strategies [Preliminary Report. <i>Lecture Notes in Computer Science</i> , 2004 , 205-213	0.9	5
23	Using the k-Nearest Problems for Adaptive Multicriteria Planning. <i>Lecture Notes in Computer Science</i> , 2004 , 132-141	0.9	
22	DR-DEVICE: A Defeasible Logic System for the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2004 , 134-148	0.9	30
21	A Defeasible Logic Reasoner for the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2004 , 49-64	0.9	8
20	R-DEVICE: A Deductive RDF Rule Language. <i>Lecture Notes in Computer Science</i> , 2004 , 65-80	0.9	7
19	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2003 , 15, 1188-1205	4.2	4
18	Using Logic for Querying XML Data 2003 , 1-35		5
17	. <i>IEEE Intelligent Systems</i> , 2002 , 17, 62-72	4.2	11
16	Intelligent Querying of Web Documents Using a Deductive XML Repository. <i>Lecture Notes in Computer Science</i> , 2002 , 437-448	0.9	1
15	E-DEVICE: an extensible active knowledge base system with multiple rule type support. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2000 , 12, 824-844	4.2	9
14	System architecture of a distributed expert system for the management of a national data network. <i>Lecture Notes in Computer Science</i> , 1998 , 438-451	0.9	3
13	Parallel, Object-Oriented, and Active Knowledge Base Systems 1998 ,		6
12	DEVICE: Compiling production rules into event-driven rules using complex events. <i>Information and Software Technology</i> , 1997 , 39, 331-342	3.4	10
11	Processing production rules in DEVICE, an active knowledge base system. <i>Data and Knowledge Engineering</i> , 1997 , 24, 117-155	1.5	12
10	Hierarchical query execution in a parallel object-oriented database system. <i>Parallel Computing</i> , 1996 , 22, 1017-1048	1	5
9	CoLan: A functional constraint language and its implementation. <i>Data and Knowledge Engineering</i> , 1995 , 14, 203-249	1.5	39

8	CONSTRAINT CHECKING IN A PARALLEL OBJECT-ORIENTED DATABASE SYSTEM. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 1995, 5, 129-147		1
7	PRACTIC: A concurrent object data model for a parallel object-oriented database system. <i>Information Sciences</i> , 1995, 86, 149-178	7-7	6
6	DR-NEGOTIATE - a system for automated agent negotiation with defeasible logic-based strategies		11
5	DR-BROKERING - a defeasible logic-based system for semantic brokering		3
4	An Ontological Business Process Modeling Approach for Public Administration	535-563	
3	DLEJena: A Practical Forward-Chaining OWL 2 RL Reasoner Combining Jena and Pellet. <i>SSRN Electronic Journal</i> ,		1 2
2	Visual Development of Defeasible Logic Rules for the Semantic Web	273-301	
1	Conclusive local interpretation rules for random forests. <i>Data Mining and Knowledge Discovery</i> ,	5.6	1