Andreas L Symeonidis

List of Publications by Year
in descending order

123 papers	1,085 citations	430754 18 h-index	552653 26 g-index
129 all docs	129 docs citations	129 times ranked	961 citing authors

#	Article	IF	Citations
1	Upon Improving the Performance of Localized Healthcare Virtual Assistants. Healthcare (Switzerland), 2022, 10, 99.	1.0	7
2	A Semantic Preprocessing Framework for Breaking News Detection to Support Future Drone Journalism Services. Future Internet, 2022, 14, 26.	2.4	4
3	Passive Global Localisation of Mobile Robot via 2D Fourier-Mellin Invariant Matching. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	2.0	4
4	Semantic Code Search in Software Repositories using Neural Machine Translation. Lecture Notes in Computer Science, 2022, , 225-244.	1.0	1
5	A Framework for Rapid Robotic Application Development for Citizen Developers. , 2022, 1, 53-79.		2
6	Flood Hazard and Risk Mapping by Applying an Explainable Machine Learning Framework Using Satellite Imagery and GIS Data. Sustainability, 2022, 14, 3251.	1.6	24
7	Fast Library Recommendation in Software Dependency Graphs with Symmetric Partially Absorbing Random Walks. Future Internet, 2022, 14, 124.	2.4	2
8	A mechanism for personalized Automatic Speech Recognition for less frequently spoken languages: the Greek case. Multimedia Tools and Applications, 2022, 81, 40635-40652.	2.6	2
9	Multilevel Readability Interpretation Against Software Properties: A Data-Centric Approach. Communications in Computer and Information Science, 2021, , 203-226.	0.4	0
10	Data-Driven Analytics towards Software Sustainability: The Case of Open-Source Multimedia Tools on Cultural Storytelling. Sustainability, 2021, 13, 1079.	1.6	1
11	Defining behaviorizeable relations to enable inference in semi-automatic program synthesis. Journal of Logical and Algebraic Methods in Programming, 2021, 123, 100714.	0.4	1
12	Embedding Rasa in edge Devices: Capabilities and Limitations. Procedia Computer Science, 2021, 192, 109-118.	1.2	5
13	Analyzing Static Analysis Metric Trends towards Early Identification of Non-Maintainable Software Components. Sustainability, 2021, 13, 12848.	1.6	2
14	Software Task Importance Prediction based on Project Management Data. , 2021, , .		2
15	Optimizing Sales Forecasting in e-Commerce with ARIMA and LSTM Models. , 2021, , .		3
16	Personalized Dynamic Pricing with RFM Modeling. , 2021, , .		0
17	Autonomous Robots, Drones and Repeaters for Fast, Reliable, Low-Cost RFID Inventorying & Localization. , 2021, , .		1
18	Boosted seed oversampling for local community ranking. Information Processing and Management, 2020, 57, 102053.	5.4	7

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19	Quantitative and Qualitative Evaluation of ROS-Enabled Local and Global Planners in 2D Static Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 567-601.	2.0	11
20	A Comparative Analysis of Pattern Matching Techniques Towards OGM Evaluation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 733-758.	2.0	1
21	A generic methodology for early identification of non-maintainable source code components through analysis of software releases. Information and Software Technology, 2020, 118, 106218.	3.0	16
22	Continuous Implicit Authentication through Touch Traces Modelling. , 2020, , .		5
23	Pose Selection and Feedback Methods in Tandem Combinations of Particle Filters with Scan-Matching for 2D Mobile Robot Localisation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 925-944.	2.0	14
24	A Data-driven Methodology towards Interpreting Readability against Software Properties. , 2020, , .		3
25	Assessing the Reusability of Source Code Components. Advanced Information and Knowledge Processing, 2020, , 219-235.	0.2	0
26	Employing Contribution and Quality Metrics for Quantifying the Software Development Process. , 2020, , .		6
27	Extracting Semantics from Question-Answering Services for Snippet Reuse. Lecture Notes in Computer Science, 2020, , 119-139.	1.0	1
28	Mining Source Code for Component Reuse. Advanced Information and Knowledge Processing, 2020, , 133-174.	0.2	1
29	Mining Source Code for Snippet Reuse. Advanced Information and Knowledge Processing, 2020, , 175-192.	0.2	0
30	Mining Solutions for Extended Snippet Reuse. Advanced Information and Knowledge Processing, 2020, , 193-203.	0.2	0
31	Versatile Internet of Things for Agriculture: An eXplainable AI Approach. IFIP Advances in Information and Communication Technology, 2020, , 180-191.	0.5	21
32	Source Code Indexing for Component Reuse. Advanced Information and Knowledge Processing, 2020, , 101-132.	0.2	0
33	Mining Software Requirements. Advanced Information and Knowledge Processing, 2020, , 75-97.	0.2	0
34	Providing Reusability-Aware Recommendations. Advanced Information and Knowledge Processing, 2020, , 207-217.	0.2	1
35	Real-time 3D localization of RFID-tagged products by ground robots and drones with commercial off-the-shelf RFID equipment: Challenges and Solutions. , 2020, , .		8
36	Of daemons and men: reducing false positive rate in intrusion detection systems with file system footprint analysis. Neural Computing and Applications, 2019, 31, 7755-7767.	3.2	4

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37	REMEDES for Alzheimer-R4Alz Battery: Design and Development of a New Tool of Cognitive Control Assessment for the Diagnosis of Minor and Major Neurocognitive Disorders. Journal of Alzheimer's Disease, 2019, 72, 783-801.	1.2	4
38	E-commerce Personalization with Elasticsearch. Procedia Computer Science, 2019, 151, 1128-1133.	1.2	3
39	Measuring the reusability of software components using static analysis metrics and reuse rate information. Journal of Systems and Software, 2019, 158, 110423.	3.3	18
40	Banner Personalization for e-Commerce. IFIP Advances in Information and Communication Technology, 2019, , 635-646.	0.5	0
41	BrainRun: A Behavioral Biometrics Dataset towards Continuous Implicit Authentication. Data, 2019, 4, 60.	1.2	21
42	Security and Privacy for Smart Meters: A Data-Driven Mapping Study. , 2019, , .		1
43	Towards Mining Answer Edits to Extract Evolution Patterns in Stack Overflow. , 2019, , .		4
44	Ms Pacman and the Robotic Ghost: A Modern Cyber-Physical Remake of the Famous Pacman Game. , 2019, , .		1
45	Software reusability dataset based on static analysis metrics and reuse rate information. Data in Brief, 2019, 27, 104687.	0.5	3
46	A Mechanism for Automatically Summarizing Software Functionality from Source Code. , 2019, , .		5
47	Personalization and the Conversational Web. Lecture Notes in Business Information Processing, 2019, , 56-77.	0.8	1
48	npm Packages as Ingredients: A Recipe-based Approach. , 2019, , .		1
49	Cenote: A Big Data Management and Analytics Infrastructure for the Web of Things. , 2019, , .		6
50	Enhancing requirements reusability through semantic modeling and data mining techniques. Enterprise Information Systems, 2018, 12, 960-981.	3.3	11
51	RESTsec: a low-code platform for generating secure by design enterprise services. Enterprise Information Systems, 2018, 12, 1007-1033.	3.3	16
52	npm-miner. , 2018, , .		13
53	Assessing the User-Perceived Quality of Source Code Components Using Static Analysis Metrics. Communications in Computer and Information Science, 2018, , 3-27.	0.4	2
54	A Natural Language Driven Approach for Automated Web API Development. , 2018, , .		3

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55	User-perceived reusability estimation based on analysis of software repositories. , 2018, , .		7
56	Expanding a robot's life: Low power object recognition via FPGA-based DCNN deployment. , 2018, , .		7
57	Recommendation Systems in a Conversational Web. , 2018, , .		2
58	Software requirements as an application domain for natural language processing. Language Resources and Evaluation, 2017, 51, 495-524.	1.8	25
59	Variable structure robot control systems: The RAPP approach. Robotics and Autonomous Systems, 2017, 94, 226-244.	3.0	22
60	Hermes: Seamless delivery of containerized bioinformatics workflows in hybrid cloud (HTC) environments. SoftwareX, 2017, 6, 217-224.	1.2	9
61	From requirements to source code: a Model-Driven Engineering approach for RESTful web services. Automated Software Engineering, 2017, 24, 791-838.	2.2	14
62	Towards an integrated robotics architecture for social inclusion â€" The RAPP paradigm. Cognitive Systems Research, 2017, 43, 157-173.	1.9	27
63	Robotic Applications Towards an Interactive Alerting System for Medical Purposes. , 2017, , .		0
64	QATCH - An adaptive framework for software product quality assessment. Expert Systems With Applications, 2017, 86, 350-366.	4.4	32
65	Towards Modeling the User-perceived Quality of Source Code using Static Analysis Metrics. , 2017, , .		11
66	Improving Multilingual Interaction for Consumer Robots through Signal Enhancement in Multichannel Speech. AES: Journal of the Audio Engineering Society, 2016, 64, 514-524.	0.8	4
67	Relieving Robots from Their Burdens: The Cloud Agent Concept (Short Paper). , 2016, , .		2
68	The hackathon model to spur innovation around global mHealth. Journal of Medical Engineering and Technology, 2016, 40, 392-399.	0.8	47
69	RAPP: A Robotic-Oriented Ecosystem for Delivering Smart User Empowering Applications for Older People. International Journal of Social Robotics, 2016, 8, 539-552.	3.1	13
70	QualBoa. , 2016, , .		19
71	User-Perceived Source Code Quality Estimation Based on Static Analysis Metrics. , 2016, , .		20
72	Current and Future Challenges of Software Engineering for Services and Applications. Procedia Computer Science, 2016, 97, 34-42.	1.2	37

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73	Response modeling of small-scale energy consumers for effective demand response applications. Electric Power Systems Research, 2016, 132, 78-93.	2.1	10
74	Syncing Shared Multimedia through Audiovisual Bimodal Segmentation. IEEE MultiMedia, 2015, 22, 26-42.	1.5	32
75	Employing Source Code Information to Improve Question-Answering in Stack Overflow. , 2015, , .		13
76	An automatic speech detection architecture for social robot oral interaction. , 2015, , .		2
77	Identifying valid search engine ranking factors in a Web 2.0 and Web 3.0 context for building efficient SEO mechanisms. Engineering Applications of Artificial Intelligence, 2015, 41, 75-91.	4.3	43
78	Analysing Behaviours for Intrusion Detection. , 2015, , .		1
79	Towards Interpretable Defect-Prone Component Analysis Using Genetic Fuzzy Systems. , 2015, , .		1
80	Enhancing social multimedia matching and management through audio-adaptive audiovisual bimodal segmentation. IEEE MultiMedia, 2015, , 1-1.	1.5	0
81	Merging Robotics and AAL Ontologies: The RAPP Methodology. Advances in Intelligent Systems and Computing, 2015, , 285-297.	0.5	6
82	CASSANDRA - A simulation-based, decision-support tool for energy market stakeholders. , 2015, , .		2
83	Performance Evaluation of Agents and Multi-agent Systems Using Formal Specifications in Z Notation. Lecture Notes in Computer Science, 2015, , 64-78.	1.0	1
84	A simulation testbed for analyzing trust and reputation mechanisms in unreliable online markets. Electronic Commerce Research and Applications, 2014, 13, 368-386.	2.5	14
85	Bottom-up modeling of small-scale energy consumers for effective Demand Response Applications. Engineering Applications of Artificial Intelligence, 2014, 35, 299-315.	4.3	21
86	Semantic analysis of web documents for the generation of optimal content. Engineering Applications of Artificial Intelligence, 2014, 35, 114-130.	4.3	23
87	Of daemons and men: A file system approach towards intrusion detection. Applied Soft Computing Journal, 2014, 25, 1-14.	4.1	6
88	Software Requirements: A new Domain for Semantic Parsers. , 2014, , .		10
89	Towards the Design of User Friendly Search Engines for Software Projects. Lecture Notes in Computer Science, 2014, , 164-167.	1.0	1
90	Event identification in web social media through named entity recognition and topic modeling. Data and Knowledge Engineering, 2013, 88, 1-24.	2.1	44

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91	Redefining the Market Power of Small-Scale Electricity Consumers through Consumer Social Networks. , 2013, , .		4
92	Agent-Based Small-Scale Energy Consumer Models for Energy Portfolio Management. , 2013, , .		1
93	Policy Search through Adaptive Function Approximation for Bidding in TAC SCM. Lecture Notes in Business Information Processing, 2013, , 16-29.	0.8	2
94	Designing Robust Strategies for Continuous Trading in Contemporary Power Markets. Lecture Notes in Business Information Processing, 2013, , 30-44.	0.8	5
95	A framework for the implementation of large scale Demand Response. , 2012, , .		4
96	Competitive Benchmarking: Lessons Learned from the Trading Agent Competition. AI Magazine, 2012, 33, 103.	1.4	4
97	Enhancing Agent Intelligence through Evolving Reservoir Networks for Predictions in Power Stock Markets. Lecture Notes in Computer Science, 2012, , 228-247.	1.0	1
98	An integrated framework for enhancing the semantic transformation, editing and querying of relational databases. Expert Systems With Applications, 2011, 38, 3844-3856.	4.4	12
99	A Software Agent Framework for Exploiting Demand-Side Consumer Social Networks in Power Systems. , 2011, , .		2
100	Monitoring Agent Communication in Soft Real-Time Environments. , 2010, , .		0
101	Towards Understanding How Personality, Motivation, and Events Trigger Web User Activity. , 2010, , .		2
102	An integrated infrastructure for monitoring and evaluating agent-based systems. Expert Systems With Applications, 2009, 36, 7630-7643.	4.4	6
103	Data-Mining-Enhanced Agents in Dynamic Supply-Chain-Management Environments. IEEE Intelligent Systems, 2009, 24, 54-63.	4.0	5
104	Improving Agent Bidding in Power Stock Markets through a Data Mining Enhanced Agent Platform. Lecture Notes in Computer Science, 2009, , 111-125.	1.0	5
105	BioCrawler: An intelligent crawler for the semantic web. Expert Systems With Applications, 2008, 35, 524-530.	4.4	27
106	Agent Mertacor: A robust design for dealing with uncertainty and variation in SCM environments. Expert Systems With Applications, 2008, 35, 591-603.	4.4	26
107	Data Mining-Driven Analysis and Decomposition in Agent Supply Chain Management Networks. , 2008, , .		0
108	Constructing Optimal Fuzzy Metric Trees for Agent Performance Evaluation. , 2008, , .		1

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109	Data Mining and Agent Technology: a fruitful symbiosis. , 2008, , 327-362.		2
110	Application of Data Mining and Intelligent Agent Technologies to Concurrent Engineering. International Journal of Product Lifecycle Management, 2007, 2, 173.	0.1	2
111	Towards a Generic Methodology for Evaluating MAS Performance. , 2007, , .		2
112	Symbiosis: Using Predator-Prey Games as a Test Bed for Studying Competitive Co-evolution. , 2007, , .		6
113	Eikonomia-An Integrated Semantically Aware Tool for Description and Retrieval of Byzantine Art Information. , 2007, , .		2
114	A retraining methodology for enhancing agent intelligence. Knowledge-Based Systems, 2007, 20, 388-396.	4.0	14
115	Data mining for agent reasoning: A synergy for training intelligent agents. Engineering Applications of Artificial Intelligence, 2007, 20, 1097-1111.	4.3	35
116	Evaluating Knowledge Intensive Multi-agent Systems. , 2007, , 74-87.		4
117	A Multi-Agent Simulation Framework for Spiders Traversing the Semantic Web. , 2006, , .		4
118	A decision-tree-based alarming system for the validation of national genetic evaluations. Computers and Electronics in Agriculture, 2006, 52, 21-35.	3.7	2
119	Exploiting Data Mining Techniques for Improving the Efficiency of a Supply Chain Management Agent. , 2006, , .		2
120	Biotope: An Integrated Framework for Simulating Distributed Multiagent Computational Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 420-432.	3.4	6
121	Information agents cooperating with heterogenous data sources for customer-order management. , 2004, , .		10
122	A Framework for Constructing Multi-agent Applications and Training Intelligent Agents. Lecture Notes in Computer Science, 2004, , 96-109.	1.0	13
123	Intelligent policy recommendations on enterprise resource planning by the use of agent technology and data mining techniques. Expert Systems With Applications, 2003, 25, 589-602.	4.4	45