

Alistair P Barros

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.

57
papers

2,329
citations

14
h-index

48
g-index

62
ext. papers

2,685
ext. citations

2.1
avg, IF

4.82
L-index

#	Paper	IF	Citations
57	LungNet: A hybrid deep-CNN model for lung cancer diagnosis using CT and wearable sensor-based medical IoT data. <i>Computers in Biology and Medicine</i> , 2021 , 139, 104961	7	8
56	Microservice Remodularisation of Monolithic Enterprise Systems for Embedding in Industrial IoT Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 432-448	0.9	1
55	COVID-Hero: Machine Learning Based COVID-19 Awareness Enhancement Mobile Game for Children. <i>Communications in Computer and Information Science</i> , 2021 , 321-335	0.3	2
54	BFIM: Performance Measurement of a Blockchain Based Hierarchical Tree Layered Fog-IoT Microservice Architecture. <i>IEEE Access</i> , 2021 , 9, 106655-106674	3.5	9
53	BDPS: An Efficient Spark-Based Big Data Processing Scheme for Cloud Fog-IoT Orchestration. <i>Information (Switzerland)</i> , 2021 , 12, 517	2.6	3
52	An approach for selecting and using a method of inter-coder reliability in information management research. <i>International Journal of Information Management</i> , 2020 , 54, 102154	16.4	11
51	Remodularization Analysis for Microservice Discovery Using Syntactic and Semantic Clustering. <i>Lecture Notes in Computer Science</i> , 2020 , 3-19	0.9	2
50	Static Analysis for Improved Modularity of Procedural Web Application Programming Interfaces. <i>IEEE Access</i> , 2020 , 8, 128182-128199	3.5	2
49	AUASF: An Anonymous Users Authentication Scheme for Fog-IoT Environment 2020 ,		6
48	A Privacy-Preserving Mobile and Fog Computing Framework to Trace and Prevent COVID-19 Community Transmission. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 3564-3575	7.2	28
47	Reducing Consumer Uncertainty: Towards an Ontology for Geospatial User-Centric Metadata. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 488	2.9	1
46	Eliciting Process Knowledge Through Process Stories. <i>Information Systems Frontiers</i> , 2020 , 22, 1179-1201		3
45	Availability and Scalability Optimized Microservice Discovery from Enterprise Systems. <i>Lecture Notes in Computer Science</i> , 2019 , 496-514	0.9	0
44	Business Object Centric Microservices Patterns. <i>Lecture Notes in Computer Science</i> , 2019 , 476-495	0.9	4
43	Modeling Conversational Agents for Service Systems. <i>Lecture Notes in Computer Science</i> , 2019 , 552-560	0.9	2
42	Migrating Enterprise Legacy Source Code to Microservices: On Multitenancy, Statefulness, and Data Consistency. <i>IEEE Software</i> , 2018 , 35, 63-72	1.5	32
41	A practical approach for detecting multi-tenancy data interference. <i>Science of Computer Programming</i> , 2018 , 163, 160-173	1.1	4

40	Online communities of teachers to support situational knowledge: A design-based study. <i>Australasian Journal of Educational Technology</i> , 2018 , 34,	2.4	6
39	Function-Splitting Heuristics for Discovery of Microservices in Enterprise Systems. <i>Lecture Notes in Computer Science</i> , 2018 , 37-53	0.9	10
38	Discovering Microservices in Enterprise Systems Using a Business Object Containment Heuristic. <i>Lecture Notes in Computer Science</i> , 2018 , 60-79	0.9	4
37	A likelihood-free Bayesian derivation method for service variants. <i>Journal of Systems and Software</i> , 2018 , 143, 87-99	3.3	1
36	Process querying: Enabling business intelligence through query-based process analytics. <i>Decision Support Systems</i> , 2017 , 100, 41-56	5.6	62
35	Classification of service co-creation systems: An integrative approach 2017 ,		1
34	Efficient Service Variant Analysis with Markov Updates in Monte Carlo Tree Search (Short Paper). <i>Lecture Notes in Computer Science</i> , 2017 , 639-647	0.9	
33	Deriving Artefact-Centric Interfaces for Overloaded Web Services. <i>Lecture Notes in Computer Science</i> , 2015 , 501-516	0.9	3
32	Enterprise Architecture for Business Network Planning: A Capability-Based Approach. <i>Lecture Notes in Business Information Processing</i> , 2015 , 257-269	0.6	0
31	Discovering Behavioural Interfaces for Overloaded Web Services 2015 ,		4
30	In-Memory Business Process Management 2015 ,		3
29	Business Processes in Connected Communities. <i>Lecture Notes in Business Information Processing</i> , 2015 , 446-451	0.6	1
28	Process Choreography Modelling 2015 , 279-300		3
27	Service Interface Synthesis in Business Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 44-55	0.9	
26	A unified description language for human to automated services. <i>Information Systems</i> , 2013 , 38, 155-181	2.7	41
25	Towards a Service Framework for Remote Sales Support via Augmented Reality. <i>Lecture Notes in Computer Science</i> , 2013 , 335-347	0.9	1
24	Interactive Product Browsing and Configuration using Remote Augmented Reality Sales Services. <i>Lecture Notes in Computer Science</i> , 2013 , 241-252	0.9	
23	Service Functionality and Behavior 2012 , 269-293		

22	The Internet of Services and USDL 2012 , 1-16		8
21	Design Overview of USDL 2012 , 187-225		6
20	Service Delivery Framework - An Architectural Strategy for Next-Generation Service Delivery in Business Network 2011 ,		8
19	Diversified Service Provisioning in Global Business Networks 2011 ,		3
18	Towards a Unified Service Description Language for the Internet of Services: Requirements and First Developments 2010 ,		80
17	Process Choreography Modeling 2010 , 257-277		9
16	Realising Dead Path Elimination in BPMN 2009 ,		1
15	Composing Services for Third-party Service Delivery 2009 ,		6
14	Vertical Alignment of Process Models [How Can We Get There?. <i>Lecture Notes in Business Information Processing</i> , 2009 , 71-84	0.6	22
13	Bridging Global and Local Models of Service-Oriented Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 302-318		15
12	Ubiquitous Services and Business Processes 2008 , 57-87		
11	Interaction Modeling Using BPMN. <i>Lecture Notes in Computer Science</i> , 2008 , 208-219	0.9	30
10	Scaling Choreography Modelling for B2B Value-Chain Analysis. <i>Lecture Notes in Computer Science</i> , 2008 , 294-309	0.9	4
9	Non-desynchronizable Service Choreographies. <i>Lecture Notes in Computer Science</i> , 2008 , 331-346	0.9	13
8	Correlation Patterns in Service-Oriented Architectures 2007 , 245-259		44
7	Service Interaction Modeling: Bridging Global and Local Views. <i>2006 10th IEEE International Enterprise Distributed Object Computing Conference (EDOCi06)</i> , 2006 ,		34
6	Let's Dance: A Language for Service Behavior Modeling. <i>Lecture Notes in Computer Science</i> , 2006 , 145-162.	0.9	70
5	Service Interaction Patterns. <i>Lecture Notes in Computer Science</i> , 2005 , 302-318	0.9	145

4	A Compositional Framework for Service Interaction Patterns and Interaction Flows. <i>Lecture Notes in Computer Science</i> , 2005 , 5-35	0.9	20
3	Workflow Patterns. <i>Distributed and Parallel Databases</i> , 2003 , 14, 5-51	0.9	1527
2	Processes, Roles, and Events: UML Concepts for Enterprise Architecture. <i>Lecture Notes in Computer Science</i> , 2000 , 62-77	0.9	13
1	A Graphical Notation for Modeling Complex Events in Business Processes		7