

Alvaro Rocha

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2754287/alvaro-rocha-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162
papers

1,331
citations

19
h-index

31
g-index

217
ext. papers

1,801
ext. citations

2.5
avg, IF

5.66
L-index

#	Paper	IF	Citations
162	Data science strategies leading to the development of data scientists skills in organizations. <i>Neural Computing and Applications</i> , 2021 , 33, 14523	4.8	1
161	Business process management heuristics in IT service management: a case study for incident management. <i>Computational and Mathematical Organization Theory</i> , 2021 , 27, 264-301	2.1	0
160	Using Virtual Programming Lab to improve learning programming: The case of Algorithms and Programming. <i>Expert Systems</i> , 2021 , 38, e12531	2.1	2
159	Decision-Making and Negotiation in Innovation & Research in Information Science. <i>Group Decision and Negotiation</i> , 2021 , 30, 267-275	2.5	1
158	Knowledge in Transition in an Industrial Company. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 87-95	0.4	
157	Optical Wireless Communication Applications and Progress to Ubiquitous Optical Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 302-312	0.4	
156	Multimedia systems and applications in biomedicine. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020 , 8, 343-344	0.9	
155	Cross-domain applications of fuzzy logic and machine learning. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 6741-6743	1.6	1
154	European strategy and legislation for cybersecurity: implications for Portugal. <i>Cluster Computing</i> , 2020 , 23, 1845-1854	2.1	2
153	Social media mining, debate and feelings: digital public opinion reaction in five presidential elections in Latin America. <i>Cluster Computing</i> , 2020 , 23, 1875-1886	2.1	3
152	Business Process Modelling to Improve Incident Management Process. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 689-702	0.4	0
151	Data Science in Pharmaceutical Industry. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 144-154	0.4	1
150	Towards a Business Model for Post-industrial Tourism Development in Jiu Valley, Romania. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 568-577	0.4	
149	Researches Regarding the Burnout State Evaluation: The Case of Principals from Arab Schools from South Israel. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 598-608	0.4	1
148	Knowledge Management Life Cycle Model Based on PDSA for Agile Companies. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 84-92	0.4	1
147	Underground Channel Model for Visible Light Wireless Communication Based on Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 293-305	0.4	3
146	Computer vision based analysis and detection of defects in fruits causes due to nutrients deficiency. <i>Cluster Computing</i> , 2020 , 23, 1817-1826	2.1	11

145	Big Data Skills Sustainable Development in Healthcare and Pharmaceuticals. <i>Journal of Medical Systems</i> , 2020 , 44, 197	5.1	10
144	Bag of feature and support vector machine based early diagnosis of skin cancer. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	7
143	Towards an encompassing maturity model for the management of higher education institutions. <i>International Journal of Grid and Utility Computing</i> , 2020 , 11, 714	1.1	1
142	Multiclass classification of nutrients deficiency of apple using deep neural network. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	4
141	Learning Analytics Measuring Impacts on Organisational Performance. <i>Journal of Grid Computing</i> , 2020 , 18, 563-571	4.2	2
140	A systematic literature review on maturity models for information systems in higher education institutions. <i>Innovations in Education and Teaching International</i> , 2020 , 57, 434-449	1.3	1
139	Portuguese Concerns and Experience of Specific Cybercrimes: A Benchmarking with European Citizens. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 39-50	0.5	2
138	Mobile Communication Systems: Evolution and Security. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 87-94	0.5	1
137	The Destination Choice by Generation Z Influenced by the Technology: Porto Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 32-44	0.4	1
136	Information and Communication Technologies in Creative and Sustainable Tourism. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 91-100	0.4	1
135	Innovation Trends for Smart Factories: A Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 689-698	0.4	4
134	Li-Fi Embedded Wireless Integrated Medical Assistance System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 350-360	0.4	6
133	Generation Z and the Technology Use During a Trip. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 77-90	0.4	
132	A health data analytics maturity model for hospitals information systems. <i>International Journal of Information Management</i> , 2019 , 46, 278-285	16.4	22
131	Design and acceptability of a psychosocial text messaging intervention for victims of gender-based violence. <i>Health Informatics Journal</i> , 2019 , 25, 1588-1594	3	3
130	An Analysis of Research Trends on Data Mining in Chinese Academic Libraries. <i>Journal of Grid Computing</i> , 2019 , 17, 591-601	4.2	1
129	An overview of assessing the quality of peer review reports of scientific articles. <i>International Journal of Information Management</i> , 2019 , 46, 286-293	16.4	6
128	IT-Business Strategic Alignment in Social Era 2019 ,		1

127	VLC, OCC, IR and LiFi Reliable Optical Wireless Technologies to be Embedded in Medical Facilities and Medical Devices. <i>Journal of Medical Systems</i> , 2019 , 43, 308	5.1	21
126	Exploratory Study of Psychosocial Therapies with Text Messages to Mobile Phones in Groups of Vulnerable Immigrant Women. <i>Journal of Medical Systems</i> , 2019 , 43, 277	5.1	6
125	Decision-Making based on Big Data Analytics for People Management in Healthcare Organizations. <i>Journal of Medical Systems</i> , 2019 , 43, 290	5.1	33
124	Special Issue on Knowledge Discovery in Big Data (KDBD). <i>Journal of Grid Computing</i> , 2019 , 17, 205-208	4.2	
123	Special section on intelligent & fuzzy theory in engineering and science. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 5799-5800	1.6	
122	Web Application for Management of Scientific Conferences. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 765-774	0.4	0
121	Capsule networks and autonomous systems. <i>International Journal of Intelligent Unmanned Systems</i> , 2019 , 7, 133-134	0.9	3
120	Development Methodology of a Higher Education Institutions Maturity Model. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2019 , 262-272	0.4	1
119	Digital learning: Developing skills for digital transformation of organizations. <i>Future Generation Computer Systems</i> , 2019 , 91, 327-334	7.5	75
118	Application of clustering-based decision tree approach in SQL query error database. <i>Future Generation Computer Systems</i> , 2019 , 93, 392-406	7.5	6
117	A Comparative Study on Maturity Models for Information Systems in Higher Education Institutions. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 150-158	0.4	2
116	Business analytics and big data. <i>International Journal of Information Management</i> , 2019 , 46, 320-321	16.4	3
115	The Impact of Perioperative Data Science in Hospital Knowledge Management. <i>Journal of Medical Systems</i> , 2019 , 43, 41	5.1	1
114	Maturity Assessment Methodology for HISMM - Hospital Information System Maturity Model. <i>Journal of Medical Systems</i> , 2019 , 43, 35	5.1	7
113	Cross-company customer churn prediction in telecommunication: A comparison of data transformation methods. <i>International Journal of Information Management</i> , 2019 , 46, 304-319	16.4	23
112	Maturity of hospital information systems: Most important influencing factors. <i>Health Informatics Journal</i> , 2019 , 25, 617-631	3	6
111	An overview of OpenStack architecture: a message queuing services node. <i>Cluster Computing</i> , 2019 , 22, 7087-7098	2.1	4
110	Virtual teaching and learning environments: automatic evaluation with artificial neural networks. <i>Cluster Computing</i> , 2019 , 22, 7217-7227	2.1	10

109	Leadership styles and skills developed through game-based learning. <i>Journal of Business Research</i> , 2019 , 94, 360-366	8.7	39
108	A Maturity model for hospital information systems. <i>Journal of Business Research</i> , 2019 , 94, 388-399	8.7	35
107	Skills for disruptive digital business. <i>Journal of Business Research</i> , 2019 , 94, 257-263	8.7	89
106	Generation Y: The Competitiveness of the Tourism Sector Based on Digital Technology. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 227-240	0.4	5
105	The electronic Individual Student Process (e-ISP). <i>Telematics and Informatics</i> , 2018 , 35, 933-943	8.1	3
104	eHealth Applications in Portuguese Hospitals: A Continuous Benchmarking with European Hospitals. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 856-866	0.4	
103	Expert systems: The journal of knowledge engineering special issue on WorldCist'16 - 4th world conference on information systems and technologies. <i>Expert Systems</i> , 2018 , 35, e12260	2.1	0
102	Health Data Analytics: A Proposal to Measure Hospitals Information Systems Maturity. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1071-1080	0.4	
101	Assessing Review Reports of Scientific Articles: A Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 142-149	0.4	2
100	Corporate Digital Learning [Proposal of Learning Analytics Model. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1016-1025	0.4	3
99	Developments and Advances in Intelligent Systems and Applications. <i>Studies in Computational Intelligence</i> , 2018 ,	0.8	1
98	A Study of Priority Rules for a Levelled Production Plan. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 111-120	0.4	13
97	LGBT Tourism: The Competitiveness of the Tourism Destinations Based on Digital Technology. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 264-276	0.4	0
96	Needs and expectations faced with the Moodle platform and institutional support available: The case of ISCAP 2018 ,		2
95	Healthcare Workers: Occupational Health Promotion and Patient Safety. <i>Journal of Medical Systems</i> , 2018 , 42, 159	5.1	9
94	Perioperative Data Science: A Research Approach for Building Hospital Knowledge. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1229-1239	0.4	
93	eHealth Infrastructures and Security in Portuguese Hospitals: Benchmarking with European Hospitals. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 3-13	0.4	
92	A Study of Raters Agreement in Quality Inspection with the Participation of Hearing Disabled Employees. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 881-888	0.4	10

91	The Information Technologies in the Competitiveness of the Tourism Sector. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 86-94	0.4	2
90	Towards a New Approach of Learning: Learn by Thinking Extending the Paradigm Through Cognitive Learning and Artificial Intelligence Methods to Improve Special Education Needs. <i>Studies in Computational Intelligence</i> , 2018 , 251-268	0.8	
89	El presente y futuro de la terapia psicosocial para personas vulnerables en España. ¿Qué pueden aportar los teléfonos móviles. <i>Cuadernos De Trabajo Social</i> , 2018 , 31, 223-233	0.2	
88	Integration of virtual programming lab in a process of teaching programming EduScrum based 2018		6
87	Maturity models of education information systems and technologies: A systematic literature review 2018 ,		4
86	Information and knowledge management: A proposal for a KM solution for advanced campuses 2018 ,		1
85	The application of knowledge management to software evolution. <i>International Journal of Information Management</i> , 2017 , 37, 1499-1506	16.4	43
84	How Can Geography and Mobile Phones Contribute to Psychotherapy?. <i>Journal of Medical Systems</i> , 2017 , 41, 92	5.1	4
83	Development and Validation of a Health and Work Survey Based on the Rasch Model among Portuguese Workers. <i>Journal of Medical Systems</i> , 2017 , 41, 79	5.1	6
82	Game Based Learning Contexts for Soft Skills Development. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 931-940	0.4	6
81	A View of OpenStack: Toward an Open-Source Solution for Cloud. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 481-491	0.4	3
80	The use of moodle in higher education evolution of teacher's practices over time 2017 ,		2
79	The Electronic Record in the schoolfamily relationship: perceptions of teachers and guardians. <i>Universal Access in the Information Society</i> , 2017 , 16, 835-849	2.5	0
78	DICOM functionality assessment 2017 ,		2
77	A knowledge management approach to capture organizational learning networks. <i>International Journal of Information Management</i> , 2017 , 37, 735-740	16.4	64
76	A Special Issue on New Technologies and the Future of Education and Training. <i>Telematics and Informatics</i> , 2017 , 34, 811-812	8.1	3
75	HISMM - Hospital Information System Maturity Model: A Synthesis. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 189-200	0.4	4
74	The electronic booklet on teaching-learning process: Teacher vision and parents of students in primary and secondary education. <i>Telematics and Informatics</i> , 2017 , 34, 861-877	8.1	4

73	Model for the quality of local government online services. <i>Telematics and Informatics</i> , 2017 , 34, 413-421	8.1	18
72	Analogizing time complexity of KNN and CNN in recognizing handwritten digits 2017 ,		12
71	Acessibilidade em Ambientes Virtuais de Aprendizagem: Accessibility in Virtual Learning Environments. <i>RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao</i> , 2017 , 25, 54-65	1.7	2
70	Electronic Individual Student Process [A Preliminary Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 941-951	0.4	1
69	Decision Support Systems Based on Knowledge Management. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 236-250	0.4	
68	Knowledge Management and Engineering Approach Concepts to Capture Organizational Learning Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 71-80	0.4	
67	Developing a Web Scientific Journal Management Platform. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 86-94	0.4	0
66	From the quality of traditional services to the quality of local e-Government online services: A literature review. <i>Government Information Quarterly</i> , 2016 , 33, 149-160	7.6	52
65	Potential dimensions for a local e-Government services quality model. <i>Telematics and Informatics</i> , 2016 , 33, 270-276	8.1	58
64	Main influence factors for maturity of hospital information systems 2016 ,		4
63	A special issue on knowledge and competence management: Developing Enterprise solutions. <i>Information Systems Frontiers</i> , 2016 , 18, 1035-1039	4	9
62	Mobile Phones and Psychosocial Therapies with Vulnerable People: a First State of the Art. <i>Journal of Medical Systems</i> , 2016 , 40, 157	5.1	19
61	Information management model for competencies and learning outcomes in an educational context. <i>Information Systems Frontiers</i> , 2016 , 18, 1051-1061	4	14
60	Towards an Evaluation Model for the Quality of Local Government Online Services: Preliminary Results. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 567-578	0.4	
59	Information Systems and Technologies Maturity Models for Healthcare: A Systematic Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 83-94	0.4	2
58	Competence management in knowledge intensive organizations using consensual knowledge and ontologies. <i>Information Systems Frontiers</i> , 2016 , 18, 1119-1130	4	20
57	A model for the evaluation of data quality in health unit websites. <i>Health Informatics Journal</i> , 2016 , 22, 479-95	3	8
56	Trends and Applications in Software Engineering. <i>Advances in Intelligent Systems and Computing</i> , 2016 ,	0.4	6

55	Maturity Models for Hospital Information Systems Management: Are They Mature?. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 541-552	0.5	4
54	A Literature Review on Quality Models for Online E-Government Services. <i>Advances in Finance, Accounting, and Economics</i> , 2016 , 151-166	0.3	
53	Hospital Information Systems Management: Towards a Comprehensive Maturity Model. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 133-142	0.2	
52	A Proposal for Automatic Evaluation by Symbolic Regression in Virtual Learning Environments. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 855-865	0.4	2
51	Towards a model for the quality of local government online services 2016 ,		1
50	Virtual teaching and learning environments: Automatic evaluation with symbolic regression. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016 , 31, 2061-2072	1.6	8
49	A Knowledge Management Approach for Software Engineering Projects Development. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 59-68	0.4	6
48	New Advances in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2016 ,	0.4	2
47	Maturity Models of Healthcare Information Systems and Technologies: a Literature Review. <i>Journal of Medical Systems</i> , 2016 , 40, 131	5.1	64
46	QVida+: Quality of life continuous estimation for clinical decision support 2016 ,		2
45	A survey on clinical decision support systems concerning quality of life 2016 ,		1
44	Data Mining and decision support systems for clinical application and quality of life 2015 ,		1
43	Information Architecture for Quality Management Support in Hospitals. <i>Journal of Medical Systems</i> , 2015 , 39, 125	5.1	11
42	Towards an Encompassing Maturity Model for the Management of Hospital Information Systems. <i>Journal of Medical Systems</i> , 2015 , 39, 99	5.1	17
41	A Clinical Support System Based on Quality of Life Estimation. <i>Journal of Medical Systems</i> , 2015 , 39, 308	5.1	6
40	Data mining and electronic devices applied to quality of life related to health data 2015 ,		7
39	New Contributions in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	5
38	New Contributions in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	1

37	Preliminary dimensions for a quality model of electronic local government services 2015 ,		4
36	Electronic Booklet. <i>International Journal of Information and Communication Technology Education</i> , 2015 , 11, 97-108	1.1	2
35	QUALITUS: An Integrated Information Architecture for the Quality Management System of Hospitals. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 285-297	0.4	2
34	Evolution of Methodological Proposals for the Development of Enterprise Architecture. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 351-359	0.4	5
33	A Platform for Assessing Cancer Patients Quality of Life. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 51-61	0.4	1
32	Perceptions of Teachers and Guardians on the Electronic Record in the School-Family Communication. <i>Lecture Notes in Computer Science</i> , 2015 , 48-62	0.9	3
31	New Perspectives in Information Systems and Technologies, Volume 1. <i>Advances in Intelligent Systems and Computing</i> , 2014 ,	0.4	4
30	Planning the information architecture in a local public administration organization. <i>Information Development</i> , 2014 , 30, 223-234	1.6	12
29	Quality models for online e-Government services 2014 ,		1
28	Towards a model for the measurement of data quality in websites. <i>New Review of Hypermedia and Multimedia</i> , 2014 , 20, 301-316	0.8	12
27	Adopting nursing health record standards. <i>Informatics for Health and Social Care</i> , 2014 , 39, 1-14	2.7	16
26	New Perspectives in Information Systems and Technologies, Volume 2. <i>Advances in Intelligent Systems and Computing</i> , 2014 ,	0.4	1
25	Advances in Radar Technologies. <i>Journal of Electrical and Computer Engineering</i> , 2014 , 2014, 1-2	1.9	
24	An Assessment of Content Quality in Websites of Basic and Secondary Portuguese Schools. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 71-82	0.4	11
23	Advances in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2013 ,	0.4	10
22	Adopting Standards in Nursing Health Record – A Case Study in a Portuguese Hospital. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 237-247	0.4	1
21	Information Architectures Definition – A Case Study in a Portuguese Local Public Administration Organization. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 399-410	0.4	2
20	Evolution of Information Systems and Technologies Maturity in Healthcare 2013 , 238-246		1

19 Quality of Health Web Sites **2013**, 922-936

18	A decision support system for quality of life in head and neck oncology patients. <i>Head & Neck Oncology</i> , 2012 , 4, 3		22
17	Framework for a global quality evaluation of a website. <i>Online Information Review</i> , 2012 , 36, 374-382	2	60
16	Three-dimensional model for the global quality of a website. <i>International Journal of Business Information Systems</i> , 2012 , 10, 436	0.6	14
15	Promoting Success in the Introduction of Health Information Systems. <i>International Journal of Enterprise Information Systems</i> , 2012 , 8, 17-27	1.1	8
14	Definiçã da Arquitetura de Informaçã em organismo da Administraçã Pùblica Local. <i>RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao</i> , 2012 ,	1.7	5
13	Evolution of Information Systems and Technologies Maturity in Healthcare. <i>International Journal of Healthcare Information Systems and Informatics</i> , 2011 , 6, 28-36	1.1	40
12	A platform to study the quality of life in oncology patients. <i>International Journal of Information Systems and Change Management</i> , 2011 , 5, 209	0.3	5
11	Quality of Health Web Sites: Dimensions for a Wide Evaluation. <i>Lecture Notes in Business Information Processing</i> , 2011 , 254-266	0.6	1
10	FWebQ ÌA Framework for Websites Quality Evaluation. <i>Communications in Computer and Information Science</i> , 2011 , 61-71	0.3	
9	The Health Web Sites Importance as Justification for the Development of a Wide Evaluation Methodology of its Quality 2010 ,		1
8	Approach to Identify Internal Best Practices in a Software Organization. <i>Communications in Computer and Information Science</i> , 2010 , 107-118	0.3	1
7	Influence of the Information System Function Maturity in the Approach to the Requirements Engineering 2002 , 205-215		
6	A comparative study of fourteen deep learning networks for multi skin lesion classification (MSLC) on unbalanced data. <i>Neural Computing and Applications</i> ,1	4.8	0
5	Leadership challenges in the context of university 4.0. A thematic synthesis literature review. <i>Computational and Mathematical Organization Theory</i> ,1	2.1	2
4	(CDRGI)-Cancer detection through relevant genes identification. <i>Neural Computing and Applications</i> ,1	4.8	2
3	Architecture of an effective convolutional deep neural network for segmentation of skin lesion in dermoscopic images. <i>Expert Systems</i> ,e12689	2.1	0
2	Architecture of a maturity model for information systems in higher education institutions: multiple case study for dimensions identification. <i>Computational and Mathematical Organization Theory</i> ,1	2.1	1

- 1 Parallel tensor factorization for relational learning. *Neural Computing and Applications*, 1 4.8 2