

Alvaro Rocha

List of Publications by Citations

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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.

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	Skills for disruptive digital business. <i>Journal of Business Research</i> , 2019 , 94, 257-263	8.7	89
161	Digital learning: Developing skills for digital transformation of organizations. <i>Future Generation Computer Systems</i> , 2019 , 91, 327-334	7.5	75
160	A knowledge management approach to capture organizational learning networks. <i>International Journal of Information Management</i> , 2017 , 37, 735-740	16.4	64
159	Maturity Models of Healthcare Information Systems and Technologies: a Literature Review. <i>Journal of Medical Systems</i> , 2016 , 40, 131	5.1	64
158	Framework for a global quality evaluation of a website. <i>Online Information Review</i> , 2012 , 36, 374-382	2	60
157	Potential dimensions for a local e-Government services quality model. <i>Telematics and Informatics</i> , 2016 , 33, 270-276	8.1	58
156	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
155	The application of knowledge management to software evolution. <i>International Journal of Information Management</i> , 2017 , 37, 1499-1506	16.4	43
154	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
153	Leadership styles and skills developed through game-based learning. <i>Journal of Business Research</i> , 2019 , 94, 360-366	8.7	39
152	A Maturity model for hospital information systems. <i>Journal of Business Research</i> , 2019 , 94, 388-399	8.7	35
151	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
150	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
149	A health data analytics maturity model for hospitals information systems. <i>International Journal of Information Management</i> , 2019 , 46, 278-285	16.4	22
148	A decision support system for quality of life in head and neck oncology patients. <i>Head & Neck Oncology</i> , 2012 , 4, 3		22
147	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
146	Competence management in knowledge intensive organizations using consensual knowledge and ontologies. <i>Information Systems Frontiers</i> , 2016 , 18, 1119-1130	4	20

145	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
144	Model for the quality of local government online services. <i>Telematics and Informatics</i> , 2017 , 34, 413-421	8.1	18
143	Towards an Encompassing Maturity Model for the Management of Hospital Information Systems. <i>Journal of Medical Systems</i> , 2015 , 39, 99	5.1	17
142	Adopting nursing health record standards. <i>Informatics for Health and Social Care</i> , 2014 , 39, 1-14	2.7	16
141	Information management model for competencies and learning outcomes in an educational context. <i>Information Systems Frontiers</i> , 2016 , 18, 1051-1061	4	14
140	Three-dimensional model for the global quality of a website. <i>International Journal of Business Information Systems</i> , 2012 , 10, 436	0.6	14
139	A Study of Priority Rules for a Levelled Production Plan. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 111-120	0.4	13
138	Planning the information architecture in a local public administration organization. <i>Information Development</i> , 2014 , 30, 223-234	1.6	12
137	Analogizing time complexity of KNN and CNN in recognizing handwritten digits 2017 ,		12
136	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
135	Information Architecture for Quality Management Support in Hospitals. <i>Journal of Medical Systems</i> , 2015 , 39, 125	5.1	11
134	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
133	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
132	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
131	Advances in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2013 ,	0.4	10
130	Big Data Skills Sustainable Development in Healthcare and Pharmaceuticals. <i>Journal of Medical Systems</i> , 2020 , 44, 197	5.1	10
129	Virtual teaching and learning environments: automatic evaluation with artificial neural networks. <i>Cluster Computing</i> , 2019 , 22, 7217-7227	2.1	10
128	A special issue on knowledge and competence management: Developing Enterprise solutions. <i>Information Systems Frontiers</i> , 2016 , 18, 1035-1039	4	9

127	Healthcare Workers: Occupational Health Promotion and Patient Safety. <i>Journal of Medical Systems</i> , 2018 , 42, 159	5.1	9
126	A model for the evaluation of data quality in health unit websites. <i>Health Informatics Journal</i> , 2016 , 22, 479-95	3	8
125	Promoting Success in the Introduction of Health Information Systems. <i>International Journal of Enterprise Information Systems</i> , 2012 , 8, 17-27	1.1	8
124	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
123	Data mining and electronic devices applied to quality of life related to health data 2015 ,		7
122	Bag of feature and support vector machine based early diagnosis of skin cancer. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	7
121	Maturity Assessment Methodology for HISMM - Hospital Information System Maturity Model. <i>Journal of Medical Systems</i> , 2019 , 43, 35	5.1	7
120	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
119	Game Based Learning Contexts for Soft Skills Development. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 931-940	0.4	6
118	Li-Fi Embedded Wireless Integrated Medical Assistance System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 350-360	0.4	6
117	A Clinical Support System Based on Quality of Life Estimation. <i>Journal of Medical Systems</i> , 2015 , 39, 308	5.1	6
116	Trends and Applications in Software Engineering. <i>Advances in Intelligent Systems and Computing</i> , 2016 ,	0.4	6
115	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
114	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
113	A Knowledge Management Approach for Software Engineering Projects Development. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 59-68	0.4	6
112	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
111	Maturity of hospital information systems: Most important influencing factors. <i>Health Informatics Journal</i> , 2019 , 25, 617-631	3	6
110	Integration of virtual programming lab in a process of teaching programming EduScrum based 2018 ,		6

109	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
108	New Contributions in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	5
107	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
106	Defini� da Arquitetura de Informa� em organismo da Administra� P�blica Local. <i>RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao</i> , 2012 ,	1.7	5
105	Evolution of Methodological Proposals for the Development of Enterprise Architecture. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 351-359	0.4	5
104	How Can Geography and Mobile Phones Contribute to Psychotherapy?. <i>Journal of Medical Systems</i> , 2017 , 41, 92	5.1	4
103	Innovation Trends for Smart Factories: A Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 689-698	0.4	4
102	Main influence factors for maturity of hospital information systems 2016 ,		4
101	New Perspectives in Information Systems and Technologies, Volume 1. <i>Advances in Intelligent Systems and Computing</i> , 2014 ,	0.4	4
100	HISMM - Hospital Information System Maturity Model: A Synthesis. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 189-200	0.4	4
99	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
98	Preliminary dimensions for a quality model of electronic local government services 2015 ,		4
97	Maturity Models for Hospital Information Systems Management: Are They Mature?. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 541-552	0.5	4
96	Multiclass classification of nutrients deficiency of apple using deep neural network. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	4
95	An overview of OpenStack architecture: a message queuing services node. <i>Cluster Computing</i> , 2019 , 22, 7087-7098	2.1	4
94	Maturity models of education information systems and technologies: A systematic literature review 2018 ,		4
93	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
92	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

91	The electronic Individual Student Process (e-ISP). <i>Telematics and Informatics</i> , 2018 , 35, 933-943	8.1	3
90	Corporate Digital Learning [Proposal of Learning Analytics Model. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1016-1025	0.4	3
89	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
88	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
87	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
86	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
85	Capsule networks and autonomous systems. <i>International Journal of Intelligent Unmanned Systems</i> , 2019 , 7, 133-134	0.9	3
84	Business analytics and big data. <i>International Journal of Information Management</i> , 2019 , 46, 320-321	16.4	3
83	European strategy and legislation for cybersecurity: implications for Portugal. <i>Cluster Computing</i> , 2020 , 23, 1845-1854	2.1	2
82	Assessing Review Reports of Scientific Articles: A Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 142-149	0.4	2
81	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
80	Needs and expectations faced with the Moodle platform and institutional support available: The case of ISCAP 2018 ,		2
79	The use of moodle in higher education evolution of teacher's practices over time 2017 ,		2
78	DICOM functionality assessment 2017 ,		2
77	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
76	Electronic Booklet. <i>International Journal of Information and Communication Technology Education</i> , 2015 , 11, 97-108	1.1	2
75	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
74	The Information Technologies in the Competitiveness of the Tourism Sector. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 86-94	0.4	2

73	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
72	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
71	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
70	New Advances in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2016 ,	0.4	2
69	QVida+: Quality of life continuous estimation for clinical decision support 2016 ,		2
68	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
67	Learning Analytics Measuring Impacts on Organisational Performance. <i>Journal of Grid Computing</i> , 2020 , 18, 563-571	4.2	2
66	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
65	Using Virtual Programming Lab to improve learning programming: The case of Algorithms and Programming. <i>Expert Systems</i> , 2021 , 38, e12531	2.1	2
64	(CDRGI)-Cancer detection through relevant genes identification. <i>Neural Computing and Applications</i> ,1	4.8	2
63	Parallel tensor factorization for relational learning. <i>Neural Computing and Applications</i> ,1	4.8	2
62	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
61	Information and Communication Technologies in Creative and Sustainable Tourism. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 91-100	0.4	1
60	Data Mining and decision support systems for clinical application and quality of life 2015 ,		1
59	Cross-domain applications of fuzzy logic and machine learning. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 6741-6743	1.6	1
58	Developments and Advances in Intelligent Systems and Applications. <i>Studies in Computational Intelligence</i> , 2018 ,	0.8	1
57	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
56	IT-Business Strategic Alignment in Social Era 2019 ,		1

55	New Contributions in Information Systems and Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	1
54	Quality models for online e-Government services 2014 ,		1
53	New Perspectives in Information Systems and Technologies, Volume 2. <i>Advances in Intelligent Systems and Computing</i> , 2014 ,	0.4	1
52	The Health Web Sites Importance as Justification for the Development of a Wide Evaluation Methodology of its Quality 2010 ,		1
51	Quality of Health Web Sites: Dimensions for a Wide Evaluation. <i>Lecture Notes in Business Information Processing</i> , 2011 , 254-266	0.6	1
50	Data Science in Pharmaceutical Industry. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 144-154	0.4	1
49	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
48	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
47	A Platform for Assessing Cancer Patients Quality of Life. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 51-61	0.4	1
46	Electronic Individual Student Process A Preliminary Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 941-951	0.4	1
45	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
44	Approach to Identify Internal Best Practices in a Software Organization. <i>Communications in Computer and Information Science</i> , 2010 , 107-118	0.3	1
43	Evolution of Information Systems and Technologies Maturity in Healthcare 2013 , 238-246		1
42	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
41	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
40	Towards a model for the quality of local government online services 2016 ,		1
39	A survey on clinical decision support systems concerning quality of life 2016 ,		1
38	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

37	The Impact of Perioperative Data Science in Hospital Knowledge Management. <i>Journal of Medical Systems</i> , 2019 , 43, 41	5.1	1
36	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
35	Mobile Communication Systems: Evolution and Security. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 87-94	0.5	1
34	Decision-Making and Negotiation in Innovation & Research in Information Science. <i>Group Decision and Negotiation</i> , 2021 , 30, 267-275	2.5	1
33	Information and knowledge management: A proposal for a KM solution for advanced campuses 2018 ,		1
32	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
31	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
30	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
29	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
28	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
27	Business Process Modelling to Improve Incident Management Process. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 689-702	0.4	0
26	Web Application for Management of Scientific Conferences. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 765-774	0.4	0
25	Developing a Web Scientific Journal Management Platform. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 86-94	0.4	0
24	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
23	Architecture of an effective convolutional deep neural network for segmentation of skin lesion in dermoscopic images. <i>Expert Systems</i> ,e12689	2.1	0
22	Generation Z and the Technology Use During a Trip. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 77-90	0.4	
21	Multimedia systems and applications in biomedicine. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020 , 8, 343-344	0.9	
20	eHealth Applications in Portuguese Hospitals: A Continuous Benchmarking with European Hospitals. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 856-866	0.4	

19	Health Data Analytics: A Proposal to Measure Hospitals Information Systems Maturity. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1071-1080	0.4
18	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
17	Perioperative Data Science: A Research Approach for Building Hospital Knowledge. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1229-1239	0.4
16	Special Issue on Knowledge Discovery in Big Data (KDBD). <i>Journal of Grid Computing</i> , 2019 , 17, 205-208	4.2
15	Special section on intelligent & fuzzy theory in engineering and science. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 5799-5800	1.6
14	Advances in Radar Technologies. <i>Journal of Electrical and Computer Engineering</i> , 2014 , 2014, 1-2	1.9
13	Influence of the Information System Function Maturity in the Approach to the Requirements Engineering 2002 , 205-215	
12	eHealth Infrastructures and Security in Portuguese Hospitals: Benchmarking with European Hospitals. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 3-13	0.4
11	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
10	A Literature Review on Quality Models for Online E-Government Services. <i>Advances in Finance, Accounting, and Economics</i> , 2016 , 151-166	0.3
9	Hospital Information Systems Management: Towards a Comprehensive Maturity Model. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 133-142	0.2
8	Decision Support Systems Based on Knowledge Management. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 236-250	0.4
7	Knowledge Management and Engineering Approach Concepts to Capture Organizational Learning Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 71-80	0.4
6	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
5	FWebQ \square Framework for Websites Quality Evaluation. <i>Communications in Computer and Information Science</i> , 2011 , 61-71	0.3
4	Quality of Health Web Sites 2013 , 922-936	
3	Knowledge in Transition in an Industrial Company. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 87-95	0.4
2	Optical Wireless Communication Applications and Progress to Ubiquitous Optical Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 302-312	0.4

- 1 El presente y futuro de la terapia psicosocial para personas vulnerables en España. Quié pueden aportar los teléfonos móviles. *Cuadernos De Trabajo Social*, **2018**, 31, 223-233 0.2