David Lizcano Casas

List of Publications by Year
in descending order

61 papers	955 citations	758635 12 h-index	500791 28 g-index
62 all docs	62 docs citations	62 times ranked	855 citing authors

#	Article	IF	Citations
1	From SLA to vendor‐neutral metrics: An intelligent knowledge‐based approach for multi‐cloud SLA‐based broker. International Journal of Intelligent Systems, 2022, 37, 10533-10575.	3.3	11
2	FLAS: A combination of proactive and reactive auto-scaling architecture for distributed services. Future Generation Computer Systems, 2021, 118, 56-72.	4.9	12
3	Learning through play: Gamification model in university-level distance learning. Entertainment Computing, 2021, 39, 100430.	1.8	30
4	Modelling web component quality using Delphi study. Computer Standards and Interfaces, 2021, 78, 103547.	3.8	1
5	A New Approach to Computing Using Informons and Holons: Towards a Theory of Computing Science. Foundations of Science, 2020, 25, 1173-1201.	0.4	3
6	Blockchain-based approach to create a model of trust in open and ubiquitous higher education. Journal of Computing in Higher Education, 2020, 32, 109-134.	3.9	167
7	Turing: The Great Unknown. Foundations of Science, 2020, 25, 1203-1225.	0.4	3
8	Web gamification with problem simulators for teaching engineering. Journal of Computing in Higher Education, 2020, 32, 135-161.	3.9	6
9	A metrology-based approach for measuring the social dimension of cognitive trust in collaborative networks. Cognition, Technology and Work, 2020, 22, 235-248.	1.7	8
10	The Third Construct of the Universe: Information. Foundations of Science, 2020, 25, 425-440.	0.4	5
11	A method for outlier detection based on cluster analysis and visual expert criteria. Expert Systems, 2020, 37, e12473.	2.9	14
12	Using Blockchain to Improve Collaborative Business Process Management: Systematic Literature Review. IEEE Access, 2020, 8, 142312-142336.	2.6	37
13	Are distance higher education institutions sustainable enough? â€" A comparison between two distance learning universities. International Journal of Sustainability in Higher Education, 2020, ahead-of-print, .	1.6	5
14	End‐user modeling of quality for web components. Journal of Software: Evolution and Process, 2020, , e2256.	1.2	2
15	Traceability Management of Systemsof Systems: A Systematic Reviewin the Assisted Reproduction Domain. Journal of Web Engineering, 2019, 18, 409-446.	0.7	2
16	Expert system for problem solving in distance university education: The successful case of the subject â€œ operations management â€. Expert Systems, 2019, 36, e12444.	2.9	2
17	Digital Marketing Actions That Achieve a Better Attraction and Loyalty of Users: An Analytical Study. Future Internet, 2019, 11, 130.	2.4	46
18	From Lab to Production: Lessons Learnt and Real-Life Challenges of an Early Student-Dropout Prevention System. IEEE Transactions on Learning Technologies, 2019, 12, 264-277.	2.2	31

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19	A Multiagent System Prototype of a Tacit Knowledge Management Model to Reduce Labor Incident Resolution Times. Applied Sciences (Switzerland), 2019, 9, 5448.	1.3	4
20	PLEC, A Participative Processfor GUI Prototyping. Journal of Web Engineering, 2019, 18, 513-538.	0.7	0
21	Particularities of data mining in medicine: lessons learned from patient medical time series data analysis. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	16
22	Who Discovered the Binary System and Arithmetic? Did Leibniz Plagiarize Caramuel?. Science and Engineering Ethics, 2018, 24, 173-188.	1.7	8
23	Data mining for modeling students' performance: A tutoring action plan to prevent academic dropout. Computers and Electrical Engineering, 2018, 66, 541-556.	3.0	135
24	A new approach to computing using informons and holons. , 2018, , .		0
25	Application of simulators for teaching engineering subject. , 2018, , .		1
26	A Peer-to-Peer Architecture for Distributed Data Monetization in Fog Computing Scenarios. Wireless Communications and Mobile Computing, 2018, 2018, 1-15.	0.8	11
27	A Multidomain Standards-Based Fog Computing Architecture for Smart Cities. Wireless Communications and Mobile Computing, 2018, 2018, 1-14.	0.8	8
28	An Innovative Approach to Improve Elasticity and Performance of Message Brokers for Green Smart Cities. , 2018, , .		2
29	Automatic verification and validation wizard in web-centred end-user software engineering. Journal of Systems and Software, 2017, 125, 47-67.	3.3	7
30	Mining activity grades to model students' performance. , 2017, , .		7
31	A Reinforcement Learning Model Equipped with Sensors for Generating Perception Patterns: Implementation of a Simulated Air Navigation System Using ADS-B (Automatic Dependent) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		5
32	Profiling Web Components Quality Using User-Centered Assessment. , 2017, , .		0
33	A quality model for web components. , 2016, , .		3
34	Applying data mining techniques to medical time series: an empirical case study in electroencephalography and stabilometry. Computational and Structural Biotechnology Journal, 2016, 14, 185-199.	1.9	25
35	Implementation of end-user development success factors in mashup development environments. Computer Standards and Interfaces, 2016, 47, 1-18.	3.8	8
36	A soft computing framework for classifying time series based on fuzzy sets of events. Information Sciences, 2016, 330, 125-144.	4.0	14

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37	Web-centred end-user component modelling. Future Generation Computer Systems, 2016, 54, 16-40.	4.9	4
38	Automated end user-centred adaptation of web components through automated description logic-based reasoning. Information and Software Technology, 2015, 57, 446-462.	3.0	3
39	Interrelationships between information and energy using knowledge management tools. , 2014, , .		0
40	Data preparation for KDD through automatic reasoning based on description logic. Information Systems, 2014, 44, 54-72.	2.4	14
41	A system for knowledge discovery in e-learning environments within the European Higher Education Area â€" Application to student data from Open University of Madrid, UDIMA. Computers and Education, 2014, 72, 23-36.	5.1	93
42	A UML profile for the conceptual modelling of structurally complex data: Easing human effort in the KDD process. Information and Software Technology, 2014, 56, 335-351.	3.0	5
43	A general framework for time series data mining based on event analysis: Application to the medical domains of electroencephalography and stabilometry. Journal of Biomedical Informatics, 2014, 51, 219-241.	2.5	12
44	A component- and connector-based approach for end-user composite web applications development. Journal of Systems and Software, 2014, 94, 108-128.	3.3	12
45	Turing and the Serendipitous Discovery of the Modern Computer. Foundations of Science, 2013, 18, 545-557.	0.4	7
46	Developing front-end Web 2.0 technologies to access services, content and things in the future Internet. Future Generation Computer Systems, 2013, 29, 1184-1195.	4.9	13
47	A web-centred approach to end-user software engineering. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-29.	4.8	6
48	Explicit Context Matching in Content-Based Publish/Subscribe Systems. Sensors, 2013, 13, 2945-2966.	2.1	3
49	Sensor-Generated Time Series Events: A Definition Language. Sensors, 2012, 12, 11811-11852.	2.1	60
50	Explicitly context-aware publish/subscribe with context-invariant subscriptions. , 2011, , .		0
51	Towards a user-centered composition system for service-based composite applications. , 2009, , .		0
52	A user-centric approach for developing and deploying service front-ends in the future internet of services. International Journal of Web and Grid Services, 2009, 5, 155.	0.4	15
53	Enterprise 2.0. , 2009, , 61-93.		0
54	Enhancing User-Service Interaction through a Global User-Centric Approach to SOA. , 2008, , .		24

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55	EzWeb/FAST: Reporting on a Successful Mashup-Based Solution for Developing and Deploying Composite Applications in the Upcoming &#147;Ubiquitous SOA&#148;. , 2008, , .		14
56	Leveraging the Upcoming Internet of Services through an Open User-Service Front-End Framework. Lecture Notes in Computer Science, 2008, , 147-158.	1.0	9
57	EzWeb/FAST. , 2008, , .		19
58	Preprocessing and data integration through automated reasoning techniques with descriptive logic. , 0, , .		0
59	Blockchain: posibilidades y aplicaciones al dominio de la medicina y los datos clínicos. , 0, , .		0
60	A Unified Model Representation of Machine Learning Knowledge. Journal of Web Engineering, 0, , .	0.7	3
61	Enterprise 2.0. , 0, , 1663-1695.		0