

# Jos A Alvarez-Bermejo

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

43  
papers

299  
citations

9  
h-index

16  
g-index

52  
ext. papers

394  
ext. citations

2.4  
avg, IF

3.64  
L-index

#	Paper	IF	Citations
43	Blockchain-based federation of wireless sensor nodes. <i>Journal of Supercomputing</i> , <b>2021</b> , 77, 7879-7891	2.5	5
42	Blockchain from the Perspective of Privacy and Anonymisation: A Systematic Literature Review. <i>Sensors</i> , <b>2020</b> , 20,	3.8	12
41	Distributed Key Management to Secure IoT Wireless Sensor Networks in Smart-Agro. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
40	Measuring data-centre workflows complexity through process mining: the Google cluster case. <i>Journal of Supercomputing</i> , <b>2020</b> , 76, 2449-2478	2.5	7
39	Efficient Implementation on Low-Cost SoC-FPGAs of TLSv1.2 Protocol with ECC_AES Support for Secure IoT Coordinators. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1238	2.6	3
38	Elliptic Curve Cryptography hardware accelerator for high-performance secure servers. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 1107-1122	2.5	10
37	Efficient image-based analysis of fruit surfaces using CCD cameras and smartphones. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 1026-1037	2.5	3
36	A clustering-based method for single-channel fetal heart rate monitoring. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199308	3.7	12
35	Unified Compact ECC-AES Co-Processor with Group-Key Support for IoT Devices in Wireless Sensor Networks. <i>Sensors</i> , <b>2018</b> , 18,	3.8	10
34	Managing key multicasting through orthogonal systems. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , <b>2017</b> , 20, 1721-1740	1.7	1
33	DNA Sequencing Sensors: An Overview. <i>Sensors</i> , <b>2017</b> , 17,	3.8	36
32	Worldwide Research on Energy Efficiency and Sustainability in Public Buildings. <i>Sustainability</i> , <b>2017</b> , 9, 1294	3.6	63
31	Development of automatic counting system for urediospores of wheat stripe rust based on image processing. <i>International Journal of Agricultural and Biological Engineering</i> , <b>2017</b> , 10, 134-143	1.9	2
30	Image processing methods to evaluate tomato and zucchini damage in post-harvest stages. <i>International Journal of Agricultural and Biological Engineering</i> , <b>2017</b> , 10, 126-133	1.9	2
29	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. <i>Mikrochimica Acta</i> , <b>2017</b> , 185, 47	5.8	53
28	Instructional Changes Adopted for an Engineering Course: Cluster Analysis on Academic Failure. <i>Frontiers in Psychology</i> , <b>2016</b> , 7, 1774	3.4	1
27	System to Detect Racial-Based Bullying through Gamification. <i>Frontiers in Psychology</i> , <b>2016</b> , 7, 1791	3.4	6

26	Distributed key agreement for group communications based on elliptic curves. An application to sensor networks.. <i>Mathematical Methods in the Applied Sciences</i> , <b>2016</b> , 39, 4797-4809	2.3	6
25	Blind signatures using light variations in CCD sensors as a pattern to avoid identity forging. <i>Mathematical Methods in the Applied Sciences</i> , <b>2016</b> , 41, 2319	2.3	
24	Tetrazine-based chemistry for nitrite determination in a paper microfluidic device. <i>Talanta</i> , <b>2016</b> , 160, 721-728	6.2	29
23	A blind signature-based protocol for tracing traitors. <i>International Journal of Computer Mathematics</i> , <b>2015</b> , 92, 1764-1774	1.2	1
22	A parallel algorithm for secure multicast. <i>Journal of Supercomputing</i> , <b>2015</b> , 71, 1803-1816	2.5	
21	Hardware implementation of a new ECC key distribution protocol for securing Wireless Sensor Networks <b>2015</b> ,		2
20	Violencia Escolar y Rendimiento Académico (VERA): aplicación de realidad aumentada. <i>European Journal of Investigation in Health, Psychology and Education</i> , <b>2015</b> , 1, 71	1.9	9
19	Application architecture to efficiently manage formal and informal m-learning. A case study to motivate computer engineering students. <i>DYNA (Colombia)</i> , <b>2015</b> , 82, 113-120	0.6	
18	A decentralized protocol for mobile control access. <i>Journal of Supercomputing</i> , <b>2014</b> , 70, 709-720	2.5	
17	A scalable server for key distribution and its application to accounting. <i>Journal of Supercomputing</i> , <b>2013</b> , 64, 132-143	2.5	1
16	Mining generalized temporal patterns based on fuzzy counting. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 1296-1304	7.8	3
15	An Interactive Mathematica Book. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 311-319	0.4	1
14	Hierarchical approaches for multicast based on Euclid's algorithm. <i>Journal of Supercomputing</i> , <b>2013</b> , 65, 1164-1178	2.5	
13	La estrategia de concentración de las cooperativas de crédito españolas : análisis de los sistemas institucionales de protección.. <i>Revista Finanzas Y Política Económica</i> , <b>2013</b> , 5, 23-36	0.2	1
12	Tracking Traitors in Web Services via Blind Signatures. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 87-96	0.4	
11	Social Networks in the Higher Education Framework- Understanding the University as an Organization <b>2012</b> , 805-824		4
10	Adaptive load balancing between static and dynamic layers in J2EE applications <b>2011</b> ,		1
9	Scholar Violence and Academic Achievement (VERA): Augmented Reality Application. <i>European Journal of Investigation in Health, Psychology and Education</i> , <b>2011</b> , 1, 71-84	1.9	2

8	Scholar Violence and Academic Achievement (VERA): Augmented Reality Application. <i>European Journal of Investigation in Health, Psychology and Education</i> , <b>2011</b> , 1, 71-84	1.9	1
7	A Proposed Asynchronous Object Load Balancing Method for Parallel 3D Image Reconstruction Applications. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 454-462	0.9	2
6	From structured to object oriented programming in parallel algorithms for 3D image reconstruction <b>2009</b> ,		2
5	Tomographic Image Reconstruction Using Abstractions. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 334-341.	0.9	
4	A Web Based Information System for Managing and Improving Care Services in Day Centres. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 710-717	0.9	
3	High Level Abstractions for Improving Parallel Image Reconstruction Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 50-57	0.9	
2	Hardware Secure Access to Servers and Applications 327-345		0
1	Data curation in the Internet of Things: A decision model approach. <i>Computational and Mathematical Methods</i> , e1191	0.9	1