

Paolo Montuschi

List of Publications by Year in descending order

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49
papers

1,437
citations

471371

17
h-index

330025

37
g-index

49
all docs

49
docs citations

49
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Analysis of Approximate Compressors for Multiplication. IEEE Transactions on Computers, 2015, 64, 984-994.	2.4	415
2	Design and Evaluation of Approximate Logarithmic Multipliers for Low Power Error-Tolerant Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2856-2868.	3.5	106
3	A New Family of High-Performance Parallel Decimal Multipliers. Computer Arithmetic, IEEE Symposium on, 2007, , .	0.0	96
4	Improved Design of High-Performance Parallel Decimal Multipliers. IEEE Transactions on Computers, 2010, 59, 679-693.	2.4	83
5	Challenges, Opportunities, and Future Trends of Emerging Techniques for Augmented Reality-Based Maintenance. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 411-421.	3.2	79
6	Building Trust in Autonomous Vehicles: Role of Virtual Reality Driving Simulators in HMI Design. IEEE Transactions on Vehicular Technology, 2019, 68, 9438-9450.	3.9	79
7	Sustainable Task Offloading in UAV Networks via Multi-Agent Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 5003-5015.	3.9	45
8	Design and Analysis of Majority Logic-Based Approximate Adders and Multipliers. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1609-1624.	3.2	44
9	Battery-Aware Operation Range Estimation for Terrestrial and Aerial Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 5471-5482.	3.9	42
10	Improved 64-bit Radix-16 Booth Multiplier Based on Partial Product Array Height Reduction. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 409-418.	3.5	37
11	An Algorithmic and Architectural Study on Montgomery Exponentiation in RNS. IEEE Transactions on Computers, 2012, 61, 1071-1083.	2.4	36
12	Reducing the Computation Time in (Short Bit-Width) Two's Complement Multipliers. IEEE Transactions on Computers, 2011, 60, 148-156.	2.4	32
13	Security in Approximate Computing and Approximate Computing for Security: Challenges and Opportunities. Proceedings of the IEEE, 2020, 108, 2214-2231.	16.4	28
14	Design, Evaluation and Application of Approximate High-Radix Dividers. IEEE Transactions on Multi-Scale Computing Systems, 2018, 4, 299-312.	2.5	24
15	Comparing State-of-the-Art and Emerging Augmented Reality Interfaces for Autonomous Vehicle-to-Pedestrian Communication. IEEE Transactions on Vehicular Technology, 2021, 70, 1157-1168.	3.9	24
16	A radix-10 SRT divider based on alternative BCD codings. , 2007, , .		20
17	A Semantic Recommender System for Adaptive Learning. IT Professional, 2015, 17, 50-58.	1.4	19
18	A Radix-2 Digit-by-Digit Architecture for Cube Root. IEEE Transactions on Computers, 2008, 57, 562-566.	2.4	18

#	ARTICLE	IF	CITATIONS
19	A General Approach for Improving RNS Montgomery Exponentiation Using Pre-processing. , 2011, , .		17
20	Combining Restoring Array and Logarithmic Dividers into an Approximate Hybrid Design. , 2018, , .		17
21	Job Recruitment and Job Seeking Processes: How Technology Can Help. IT Professional, 2014, 16, 41-49.	1.4	16
22	Design of Approximate High-Radix Dividers by Inexact Binary Signed-Digit Addition. , 2017, , .		16
23	Is Immersive Virtual Reality the Ultimate Interface for 3D Animators?. Computer, 2020, 53, 36-45.	1.2	15
24	A Digit-by-Digit Algorithm for mth Root Extraction. IEEE Transactions on Computers, 2007, 56, 1696-1706.	2.4	14
25	Robust Robot Tracking for Next-Generation Collaborative Robotics-Based Gaming Environments. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 869-882.	3.2	12
26	A Self-Learning Strategy for Task Offloading in UAV Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 4301-4311.	3.9	12
27	Mixed Marker-Based/Marker-Less Visual Odometry System for Mobile Robots. International Journal of Advanced Robotic Systems, 2013, 10, 260.	1.3	10
28	Modeling and Simulation of Cyber-Physical Electrical Energy Systems With SystemC-AMS. IEEE Transactions on Sustainable Computing, 2020, 5, 552-567.	2.2	10
29	Mixed Reality-Based User Interaction Feedback for a Hand-Controlled Interface Targeted to Robot Teleoperation. Lecture Notes in Computer Science, 2017, , 447-463.	1.0	10
30	Comparing Algorithms for Aggressive Driving Event Detection Based on Vehicle Motion Data. IEEE Transactions on Vehicular Technology, 2022, 71, 53-68.	3.9	8
31	Radix-8 division with over-redundant digit set. Journal of Signal Processing Systems, 1994, 7, 259-270.	1.0	7
32	Error-Tolerant Computation for Voting Classifiers With Multiple Classes. IEEE Transactions on Vehicular Technology, 2020, 69, 13718-13727.	3.9	7
33	Design of Unsigned Approximate Hybrid Dividers Based on Restoring Array and Logarithmic Dividers. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 339-350.	3.2	7
34	Augmented Reading: The Present and Future of Electronic Scientific Publications. Computer, 2014, 47, 64-74.	1.2	6
35	Quality in Conference Publishing. IEEE Transactions on Professional Communication, 2009, 52, 183-196.	0.6	5
36	Unequal Error Protection of Memories in LDPC Decoders. IEEE Transactions on Computers, 2015, 64, 2981-2993.	2.4	5

#	ARTICLE	IF	CITATIONS
37	Automatically Mapping Human Skeletons onto Virtual Character Armatures. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 80-89.	0.2	4
38	Intensity variation function and template matching-based pedestrian tracking in infrared imagery with occlusion detection and recovery. Optical Engineering, 2015, 54, 033106.	0.5	4
39	Editorial from the New Editor in Chief. IEEE Transactions on Computers, 2015, 64, 2-2.	2.4	3
40	Tolerance of Siamese Networks (SNs) to Memory Errors: Analysis and Design. IEEE Transactions on Computers, 2023, 72, 1136-1149.	2.4	2
41	Thank-You State of the Journal Editorial by the Outgoing Editor-in-Chief. IEEE Transactions on Computers, 2019, 68, 1-2.	2.4	1
42	Less-is-Better Protection (LBP) for memory errors in kNNs classifiers. Future Generation Computer Systems, 2021, 117, 401-411.	4.9	1
43	Computer Security at the Forefront of Emerging Topics in Computing. Computer, 2021, 54, 4-5.	1.2	1
44	Guest Editors' Introduction: Special Section on Computer Arithmetic. IEEE Transactions on Computers, 2009, 58, 145-147.	2.4	0
45	State of the Journal. IEEE Transactions on Computers, 2016, 65, 2014-2018.	2.4	0
46	A fast simulation environment for smart systems validation in presence of electromagnetic interferences. , 2016, , .		0
47	State of the Journal. IEEE Transactions on Computers, 2018, 67, 1-1.	2.4	0
48	Thank-you State of the Journal Editorial by the 2019 Outgoing (Acting) Editor-in-Chief. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 3-3.	3.2	0
49	Editorial from the New Editor in Chief. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 4-4.	3.2	0