Paolo Montuschi

List of Publications by Year
in descending order

49 papers	1,437 citations	471061 17 h-index	329751 37 g-index
49 all docs	49 docs citations	49 times ranked	912 citing authors

#	Article	IF	Citations
1	Tolerance of Siamese Networks (SNs) to Memory Errors: Analysis and Design. IEEE Transactions on Computers, 2023, 72, 1136-1149.	2.4	2
2	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
3	Comparing Algorithms for Aggressive Driving Event Detection Based on Vehicle Motion Data. IEEE Transactions on Vehicular Technology, 2022, 71, 53-68.	3.9	8
4	A Self-Learning Strategy for Task Offloading in UAV Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 4301-4311.	3.9	12
5	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
6	Less-is-Better Protection (LBP) for memory errors in kNNs classifiers. Future Generation Computer Systems, 2021, 117, 401-411.	4.9	1
7	Editorial from the New Editor in Chief. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 4-4.	3.2	0
8	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
9	Sustainable Task Offloading in UAV Networks via Multi-Agent Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 5003-5015.	3.9	45
10	Computer Security at the Forefront of Emerging Topics in Computing. Computer, 2021, 54, 4-5.	1.2	1
11	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
12	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
13	Error-Tolerant Computation for Voting Classifiers With Multiple Classes. IEEE Transactions on Vehicular Technology, 2020, 69, 13718-13727.	3.9	7
14	Modeling and Simulation of Cyber-Physical Electrical Energy Systems With SystemC-AMS. IEEE Transactions on Sustainable Computing, 2020, 5, 552-567.	2.2	10
15	Is Immersive Virtual Reality the Ultimate Interface for 3D Animators?. Computer, 2020, 53, 36-45.	1.2	15
16	Security in Approximate Computing and Approximate Computing for Security: Challenges and Opportunities. Proceedings of the IEEE, 2020, 108, 2214-2231.	16.4	28
17	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
18	Battery-Aware Operation Range Estimation for Terrestrial and Aerial Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 5471-5482.	3.9	42

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19	Thank-You State of the Journal Editorial by the Outgoing Editor-in-Chief. IEEE Transactions on Computers, 2019, 68, 1-2.	2.4	1
20	State of the Journal. IEEE Transactions on Computers, 2018, 67, 1-1.	2.4	0
21	Design, Evaluation and Application of Approximate High-Radix Dividers. IEEE Transactions on Multi-Scale Computing Systems, 2018, 4, 299-312.	2.5	24
22	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
23	Combining Restoring Array and Logarithmic Dividers into an Approximate Hybrid Design. , 2018, , .		17
24	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
25	Design of Approximate High-Radix Dividers by Inexact Binary Signed-Digit Addition. , 2017, , .		16
26	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
27	State of the Journal. IEEE Transactions on Computers, 2016, 65, 2014-2018.	2.4	0
28	A fast simulation environment for smart systems validation in presence of electromagnetic interferences. , 2016, , .		0
29	Editorial from the New Editor in Chief. IEEE Transactions on Computers, 2015, 64, 2-2.	2.4	3
30	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
31	A Semantic Recommender System for Adaptive Learning. IT Professional, 2015, 17, 50-58.	1.4	19
32	Unequal Error Protection of Memories in LDPC Decoders. IEEE Transactions on Computers, 2015, 64, 2981-2993.	2.4	5
33	Design and Analysis of Approximate Compressors for Multiplication. IEEE Transactions on Computers, 2015, 64, 984-994.	2.4	415
34	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
35	Job Recruitment and Job Seeking Processes: How Technology Can Help. IT Professional, 2014, 16, 41-49.	1.4	16
36	Augmented Reading: The Present and Future of Electronic Scientific Publications. Computer, 2014, 47, 64-74.	1.2	6

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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	Mixed Marker-Based/Marker-Less Visual Odometry System for Mobile Robots. International Journal of Advanced Robotic Systems, 2013, 10, 260.	1.3	10
39	An Algorithmic and Architectural Study on Montgomery Exponentiation in RNS. IEEE Transactions on Computers, 2012, 61, 1071-1083.	2.4	36
40	A General Approach for Improving RNS Montgomery Exponentiation Using Pre-processing. , 2011, , .		17
41	Reducing the Computation Time in (Short Bit-Width) Two's Complement Multipliers. IEEE Transactions on Computers, 2011, 60, 148-156.	2.4	32
42	Improved Design of High-Performance Parallel Decimal Multipliers. IEEE Transactions on Computers, 2010, 59, 679-693.	2.4	83
43	Quality in Conference Publishing. IEEE Transactions on Professional Communication, 2009, 52, 183-196.	0.6	5
44	Guest Editors' Introduction: Special Section on Comuter Arithmetic. IEEE Transactions on Computers, 2009, 58, 145-147.	2.4	0
45	A Radix-2 Digit-by-Digit Architecture for Cube Root. IEEE Transactions on Computers, 2008, 57, 562-566.	2.4	18
46	A Digit-by-Digit Algorithm for mth Root Extraction. IEEE Transactions on Computers, 2007, 56, 1696-1706.	2.4	14
47	A radix-10 SRT divider based on alternative BCD codings. , 2007, , .		20
48	A New Family of High.Performance Parallel Decimal Multipliers. Computer Arithmetic, IEEE Symposium on, 2007, , .	0.0	96
49	Radix-8 division with over-redundant digit set. Journal of Signal Processing Systems, 1994, 7, 259-270.	1.0	7