

Mohamed Abdelawwad

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

291
citations

1478280

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h-index

1199470

12
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20
all docs

20
docs citations

20
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical characterizations and Judd-Ofelt analysis of Dy ³⁺ doped borosilicate glasses. Optical Materials, 2017, 72, 169-176.	1.7	55
2	Visible and mid-infrared spectral emissions and radiative rates calculations of Tm ³⁺ doped BBLC glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 242, 118774.	2.0	50
3	Judd-Ofelt analysis and physical properties of erbium modified cadmium lithium gadolinium silicate glasses. Journal of Materials Science: Materials in Electronics, 2020, 31, 4986-4996.	1.1	49
4	Spectroscopic properties and Judd-Ofelt analysis of Dy ³⁺ ions in molybdenum borosilicate glasses. Journal of Luminescence, 2018, 196, 477-484.	1.5	46
5	Lithium cadmium phosphate glasses doped Sm ³⁺ as a host material for near-IR laser applications. Optical Materials, 2021, 111, 110638.	1.7	46
6	Guided Hybrid Modified Simulated Annealing Algorithm for Solving Constrained Global Optimization Problems. Mathematics, 2022, 10, 1312.	1.1	13
7	Optical amplification and photodegradation in films of spiro-quaterphenyl and its derivatives. Journal of Luminescence, 2015, 159, 47-54.	1.5	7
8	FPGA Implementation of a Safety System-on-Chip Based on 1004 Architecture Using LEON3 Processor. , 2018, , .		4
9	Safe Position Detection Based on Safety System-on-Chip (SSoC) for Wireless IoT Application. International Journal of Circuits, Systems and Signal Processing, 2020, 14, 1040-1046.	0.2	4
10	Airport terminal building capacity evaluation using queuing system. AEJ - Alexandria Engineering Journal, 2022, 61, 10109-10118.	3.4	4
11	Functional Safety and Electric Vehicle Charging: Requirements Analysis and Design for a Safe Charging Infrastructure System. , 2021, , .		3
12	Approach for a Safe-SoC for Cyber-physical Application according to IEC 61508. International Journal of Computers, 2020, 14, 77-80.	0.2	3
13	SoC approach for low cost and low power consumption based on ARM Cortex M3 according to ISO 26262. , 2021, , .		2
14	Überwachung des Mensch-Roboter-Kollaborationsraums mittels Millimeterwellen-Radar. ZWF Zeitschrift fuer Wirtschaftlichen Fabrikbetrieb, 2021, 116, 377-381.	0.2	2
15	SoC approach for Safety-oriented Multi-channel Communication in Industrial Application of Human-robot-collaboration (HRC). International Journal of Computers, 2020, 14, 69-72.	0.2	2
16	Safe-System-on-Chip for Functional Safety. , 2021, , .		1
17	Communication SoC based on 1002D architecture for industrial human-robot-collaboration. , 2021, , .		0
18	Functional Safety and Electric Vehicle Charging: Requirements Analysis and Design for a Safe Charging Infrastructure System. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	RISC-V Based Safety System-on-Chip with Hardware Comparator. Frontiers in Artificial Intelligence and Applications, 2021, , .	0.3	0
20	Efficiency Measurement of Compressed Air Compressors Using High Availability SoC with 1002 Redundancy Architecture. Frontiers in Artificial Intelligence and Applications, 2021, , .	0.3	0