

Lida Kouhalvandi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7512729/publications.pdf>

Version: 2024-02-01

43
papers

220
citations

1684188

5
h-index

1372567

10
g-index

44
all docs

44
docs citations

44
times ranked

87
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Deep Neural Learning-Based Optimization for High Performance High Power Amplifier Designs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 4420-4433.	5.4	32
2	Power Amplifier Design Optimization with Simultaneous Cooperation of EDA Tool and Numeric Analyzer. , 2018, , .		20
3	Automated optimization for broadband flat-gain antenna designs with artificial neural network. IET Microwaves, Antennas and Propagation, 2021, 15, 1537-1544.	1.4	14
4	A Review on Optimization Methods for Designing RF Power Amplifiers. , 2019, , .		12
5	Ku - Band slotted rectangular patch array antenna design. , 2015, , .		10
6	Automated Matching Network Modeling and Optimization for Power Amplifier Designs. , 2019, , .		10
7	Automated RF Power Amplifier Optimization and Design: From Lumped Elements to Distributed Elements. , 2019, , .		9
8	Mobility-Aware Offloading Decision for Multi-Access Edge Computing in 5G Networks. Sensors, 2022, 22, 2692.	3.8	9
9	An improved 2 stage opamp with rail-to-rail gain-boosted folded cascode input stage and monticelli rail-to-rail class AB output stage. , 2017, , .		7
10	Deep Learning Assisted Automatic Methodology for Implanted MIMO Antenna Designs on Large Ground Plane. Electronics (Switzerland), 2022, 11, 47.	3.1	7
11	Design and realization of a novel planar array antenna and low power LNA for Ku-band small satellite communications. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 1394-1403.	1.4	6
12	Automated Two-Step Power Amplifier Design with Pre-constructed Artificial Neural Network. , 2020, , .		6
13	Overview of evolutionary algorithms and neural networks for modern mobile communication. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	6
14	Optimization for Wideband Linear Array Antenna through Bottom-Up Method. , 2020, , .		5
15	Automated top-down pruning optimization approach in RF power amplifier designs. Analog Integrated Circuits and Signal Processing, 2021, 106, 525-534.	1.4	5
16	Electromagnetic Bottom-Up Optimization for Automated Antenna Designs. , 2020, , .		5
17	Multi-objective Efficiency and Phase Distortion Optimizations for Automated Design of Power Amplifiers Through Deep Neural Networks. , 2021, , .		5
18	Python based parallel application of Knuth-Morris-Pratt algorithm. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	10-bit High-speed CMOS comparator with offset cancellation technique. , 2017, , .		4
20	Algorithms for Speeding-Up the Deep Neural Networks For Detecting Plant Disease. , 2019, , .		4
21	Hyperparameter Optimization of Long Short-Term Memory-Based Forecasting DNN for Antenna Modeling Through Stochastic Methods. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 725-729.	4.0	4
22	Magic of 5G Technology and Optimization Methods Applied to Biomedical Devices: A Survey. Applied Sciences (Switzerland), 2022, 12, 7096.	2.5	4
23	Design of a high gain telescopic-cascode operational amplifier based on the ZTC operation condition. , 2017, , .		3
24	CMOS Current-Mode Exponential/Logarithmic Function Generator Based on Translinear Loop Configuration. , 2019, , .		3
25	Inspecting Distortion in the Power Amplifiers with the aid of Neural Networks. , 2020, , .		3
26	Optimization techniques for analog and RF circuit designs: an overview. Analog Integrated Circuits and Signal Processing, 2021, 106, 511-524.	1.4	3
27	Dynamic Mobility Robustness Optimization Based on Individual Weight Function for 5G Networks and Beyond. , 2021, , .		3
28	Key Generation of Biomedical Implanted Antennas Through Artificial Neural Networks. , 2021, , .		3
29	Design of a fully-differential double folded cascode class AB opamp with continuous time common mode feedback network for 12-bit pipeline ADC applications. , 2017, , .		2
30	Karatsuba Ofman Multiplication implementation on SystemC for Diffie-Hellman Key Exchange algorithm. , 2017, , .		2
31	Multi-band Implantable Microstrip Antenna on Large Ground Plane and TiO2 Substrate. , 2021, , .		2
32	Multi-objective Optimization Methods for Passive and Active Devices in mm-Wave 5G Networks. PoliTO Springer Series, 2022, , 337-371.	0.5	2
33	Patch Antenna Array Design through Bottom-Up and Bayesian Optimizations. , 2021, , .		1
34	Deep Learning and its Benefits in Prediction of Patients Through Medical Images. , 2021, , .		1
35	A Prospective Look on Optimization Methods For RFID Systems: Requirements, Challenges and Implementation Aspects. Balkan Journal of Electrical and Computer Engineering, 2022, 10, 156-169.	0.6	1
36	Underwater Image Detection for Cleaning Purposes; Techniques Used for Detection Based on Machine Learning. Acta Marisiensis Seria Technologica, 2022, 19, 28-35.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Multi-Tone Harmonic Balance Optimization for High-Power Amplifiers through Coarse and Fine Models Based on X-Parameters. Sensors, 2022, 22, 4305.	3.8	1
38	Block size effect on image compression using SYMPES method. , 2017, , .		0
39	Tunable Frequency Selective Surface Design Using Automated Random Optimization. , 2021, , .		0
40	1 5 Bit Stage 12 Bit Pipeline ADC Design with Foreground Calibration. , 2017, , .		0
41	Prediction of Class-Amplifiers with the Aid of Neural Network. , 2021, , .		0
42	Conjointly Electromagnetic Simulations for Bended Microstrip Antenna Designs. , 2021, , .		0
43	lot and its Benefit in Feeding Domestic Pets. Acta Marisiensis Seria Technologica, 2022, 19, 36-41.	0.2	0