

Jogender Nagar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3085137/publications.pdf>

Version: 2024-02-01

31
papers

276
citations

1039406

9
h-index

1281420

11
g-index

31
all docs

31
docs citations

31
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Multiobjective Antenna Optimization With Tolerance Analysis Through the Use of Surrogate Models. IEEE Transactions on Antennas and Propagation, 2018, 66, 6706-6715.	3.1	92
2	Multi-objective surrogate-assisted optimization applied to patch antenna design. , 2017, , .		29
3	A Comparison of Three Uniquely Different State of the Art and Two Classical Multiobjective Optimization Algorithms as Applied to Electromagnetics. IEEE Transactions on Antennas and Propagation, 2017, 65, 1267-1280.	3.1	24
4	Closed-Form Expressions for the Radiation Properties of Nanoloops in the Terahertz, Infrared and Optical Regimes. IEEE Transactions on Antennas and Propagation, 2017, 65, 121-133.	3.1	22
5	On the use of surrogate models in the analytical decompositions of refractive index gradients obtained through quasiconformal transformation optics. Journal of Optics (United Kingdom), 2016, 18, 044019.	1.0	21
6	Multiobjective Optimization-Aided Metamaterials-by-Design With Application to Highly Directive Nanodevices. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2017, 2, 147-158.	1.4	16
7	Analytical surrogate model for the aberrations of an arbitrary GRIN lens. Optics Express, 2016, 24, 17805.	1.7	12
8	Multiobjective Optimization for Electromagnetics and Optics: An Introduction and Tutorial Based on Real-World Applications. IEEE Antennas and Propagation Magazine, 2018, 60, 58-71.	1.2	12
9	Existence of Superdirective Radiation Modes in Thin-Wire Nanoloops. ACS Photonics, 2017, 4, 509-516.	3.2	9
10	Analytical Expressions for the Mutual Coupling of Loop Antennas Valid From the RF to Optical Regimes. IEEE Transactions on Antennas and Propagation, 2017, 65, 6889-6903.	3.1	9
11	Optimization of Far-Field Radiation From Impedance-Loaded Nanoloops Accelerated by an Exact Analytical Formulation. IEEE Transactions on Antennas and Propagation, 2019, 67, 1448-1458.	3.1	7
12	Multi-objective optimization for GRIN lens design. , 2015, , .		5
13	Inverse design of engineered materials for extreme optical devices. , 2018, , .		4
14	Efficient Wideband Numerical Simulations for Nanostructures Employing a Drude-Critical Points (DCP) Dispersive Model. Scientific Reports, 2017, 7, 2126.	1.6	3
15	The adaptive wind driven optimization and its application in electromagnetics. , 2018, , .		3
16	Theoretical derivation of antenna parameters for thin-wire nanoloops. , 2016, , .		2
17	Multi-objective tradeoff studies of directivity achievable by electrically small nanoloops. , 2017, , .		2
18	A new GRIN lens design paradigm based on wavefront matching. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Theoretical derivation of the radiation parameters for thin-wire nanoloop antennas. , 2016, , .		1
20	Surrogate-assisted transformation optics inspired GRIN lens design and optimization. , 2017, , .		1
21	Theoretical derivation of mutual coupling and radiation properties of loop antenna arrays valid from rf to optical. , 2017, , .		1
22	SWaP tradeoffs in the solution space of a hybrid radial-axial achromatic GRIN singlet. , 2016, , .		0
23	Optical wavefront matching as a multi-frequency compliment to transformation optics. , 2016, , .		0
24	Surrogate model-assisted analysis of the performance of quasiconformal Transformation Optics-enabled flattened gradient-index lenses. , 2016, , .		0
25	Analysis of thin-wire nanoloops as superdirective antennas. , 2016, , .		0
26	Transformation electromagnetics enabled lens design with surrogate-assisted global optimization. , 2017, , .		0
27	Extending the performance of quasiconformal lens transformations using geometrical optics principles. , 2017, , .		0
28	Multi-objective analysis of multi-layered core-shell nanoparticles. , 2017, , .		0
29	Design and Optimization of Radiation Pattern Reconfigurable Nanoloop Antennas. , 2018, , .		0
30	Three Color Correction with Metasurface-backed Gradient-Index Lenses. , 2018, , .		0
31	Analytical Formulation for Loop Antennas Valid from the RF to Optical Regime: A Review. , 2019, , .		0