

Kamil Boratay Alici

List of Publications by Year in descending order

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38
papers

1,857
citations

361413

20
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

1947
citing authors

#	ARTICLE	IF	CITATIONS
1	Inductive Tuning of Fano-Resonant Metasurfaces Using Plasmonic Response of Graphene in the Mid-Infrared. Nano Letters, 2013, 13, 1111-1117.	9.1	238
2	Equivalent-Circuit Models for the Design of Metamaterials Based on Artificial Magnetic Inclusions. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2865-2873.	4.6	224
3	Chiral metamaterials with negative refractive index based on four "split ring resonators. Applied Physics Letters, 2010, 97, .	3.3	199
4	Electrically small split ring resonator antennas. Journal of Applied Physics, 2007, 101, 083104.	2.5	146
5	Optically thin composite resonant absorber at the near-infrared band: a polarization independent and spectrally broadband configuration. Optics Express, 2011, 19, 14260.	3.4	117
6	Complementary chiral metamaterials with giant optical activity and negative refractive index. Applied Physics Letters, 2011, 98, .	3.3	99
7	Design of Miniaturized Narrowband Absorbers Based on Resonant-Magnetic Inclusions. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 63-72.	2.2	82
8	Radiation properties of a split ring resonator and monopole composite. Physica Status Solidi (B): Basic Research, 2007, 244, 1192-1196.	1.5	76
9	Spectral negative refraction and focusing analysis of a two-dimensional left-handed photonic crystal lens. Physical Review B, 2004, 70, .	3.2	70
10	Experimental verification of metamaterial based subwavelength microwave absorbers. Journal of Applied Physics, 2010, 108, .	2.5	70
11	A planar metamaterial: Polarization independent fishnet structure. Photonics and Nanostructures - Fundamentals and Applications, 2008, 6, 102-107.	2.0	66
12	Generation of an Axially Asymmetric Bessel-Like Beam from a Metallic Subwavelength Aperture. Physical Review Letters, 2009, 102, 143901.	7.8	56
13	Electromagnetically induced polarization conversion. Optics Communications, 2012, 285, 3423-3427.	2.1	55
14	Miniaturized negative permeability materials. Applied Physics Letters, 2007, 91, .	3.3	52
15	Optimization and tunability of deep subwavelength resonators for metamaterial applications: complete enhanced transmission through a subwavelength aperture. Optics Express, 2009, 17, 5933.	3.4	46
16	Characterization and tilted response of a fishnet metamaterial operating at 100%GHz. Journal Physics D: Applied Physics, 2008, 41, 135011.	2.8	40
17	Radiation Properties and Coupling Analysis of a Metamaterial Based, Dual Polarization, Dual Band, Multiple Split Ring Resonator Antenna. Journal of Electromagnetic Waves and Applications, 2010, 24, 1183-1193.	1.6	30
18	Composite chiral metamaterials with negative refractive index and high values of the figure of merit. Optics Express, 2012, 20, 6146.	3.4	30

#	ARTICLE	IF	CITATIONS
19	Thermally sensitive scattering of terahertz waves by coated cylinders for tunable invisibility and masking. Optics Express, 2018, 26, 1.	3.4	28
20	Asymmetric Fabry-Perot-type transmission in photonic-crystal gratings with one-sided corrugations at a two-way coupling. Physical Review A, 2012, 86, .	2.5	20
21	Theoretical Study and Experimental Realization of a Low-Loss Metamaterial Operating at the Millimeter-Wave Regime: Demonstrations of Flat- and Prism-Shaped Samples. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 386-393.	2.9	18
22	Low-temperature behavior of magnetic metamaterial elements. New Journal of Physics, 2009, 11, 043015.	2.9	15
23	Detecting secondary structure and surface orientation of helical peptide monolayers from resonant hybridization signals. Scientific Reports, 2013, 3, 2956.	3.3	11
24	Oblique response of a split-ring-resonator-based left-handed metamaterial slab. Optics Letters, 2009, 34, 2294.	3.3	10
25	Photonic metamaterial absorber designs for infrared solar cell applications. , 2010, , .		9
26	Photonic magnetic metamaterial basics. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 15-21.	2.0	9
27	Image Chain Simulation for Earth Observation Satellites. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4014-4023.	4.9	8
28	Hybridization of Fano and Vibrational Resonances in Surface-Enhanced Infrared Absorption Spectroscopy of Streptavidin Monolayers on Metamaterial Substrates. IEEE Nanotechnology Magazine, 2014, 13, 216-221.	2.0	7
29	Direct observation of negative refraction at the millimeter-wave regime by using a flat composite metamaterial. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1688.	2.1	6
30	Effect of in-material losses on terahertz absorption, transmission, and reflection in photonic crystals made of polar dielectrics. Journal of Applied Physics, 2015, 118, .	2.5	6
31	Experimental verification of metamaterial loaded small patch antennas. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 1834-1844.	0.9	5
32	Metamaterial inspired enhanced far-field transmission through a subwavelength nano-hole. Physica Status Solidi - Rapid Research Letters, 2010, 4, 286-288.	2.4	3
33	OTF analysis of a spaceborne CMOS imaging sensor. , 2017, , .		3
34	Periodic aperture imaging. Optical Engineering, 2017, 56, 050502.	1.0	2
35	ENHANCED TRANSMISSION THROUGH SUB-WAVELENGTH APERTURES BY USING METAMATERIALS. , 2011, , 453-477.		1
36	Negative refraction and subwavelength focusing using photonic crystals. , 2005, 5733, 39.		0

#	ARTICLE	IF	CITATIONS
37	Millimeter-wave scale metamaterials. , 2009, , .		0
38	How to Design and Characterize Metal-Dielectric Based Metamaterials: Experimental Demonstrations of Metamaterial Applications at the Millimeter-Wave Regime. , 2008, , .		0