

Henrik M Kettunen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

311
citations

932766

10
h-index

940134

16
g-index

25
all docs

25
docs citations

25
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Effective Media by Mie Resonances of Radially-Anisotropic Cylinders. <i>Photonics</i> , 2015, 2, 509-526.	0.9	7
2	Towards hyperbolic radial anisotropy using layered spheres. , 2015, , .		0
3	Mie resonances of radially anisotropic dielectric cylinders. , 2015, , .		0
4	Anomalous absorption, plasmonic resonances, and invisibility of radially anisotropic spheres. <i>Radio Science</i> , 2015, 50, 18-28.	0.8	30
5	General Systropy in Spherical Scatterers. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 327-333.	3.1	5
6	Anomalous absorption using hyperbolic radial anisotropy. , 2014, , .		1
7	Interactive engagement methods in teaching electrical engineering basic courses. , 2013, , .		4
8	Cloaking and magnifying using radial anisotropy. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	33
9	Electrical Response of Systropic Sphere. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 5348-5355.	3.1	10
10	Different homogenization methods based on scattering parameters of dielectric composite slabs. <i>Radio Science</i> , 2011, 46, .	0.8	2
11	Complex Problem Exercises in Developing Engineering Students' Conceptual and Procedural Knowledge of Electromagnetics. <i>IEEE Transactions on Education</i> , 2011, 54, 63-66.	2.0	28
12	Anti-resonant response of resonant inclusions?. , 2011, , .		2
13	Cloaking a metal object from an electromagnetic pulse: A comparison between various cloaking techniques. <i>Journal of Applied Physics</i> , 2010, 107, 034905.	1.1	22
14	A comparative study of cloaking of metal objects from electromagnetic pulses. , 2010, , .		2
15	Compensation of Fabry-Pérot Resonances in Homogenization of Dielectric Composites. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010, 9, 1057-1060.	2.4	20
16	A geometrically simple benchmark problem for negative index metamaterial homogenization. , 2010, , .		1
17	Different retrieval methods based on S-parameters for the permittivity of composites. , 2010, , .		3
18	Electrostatic response of a half-disk. <i>Journal of Electrostatics</i> , 2009, 67, 890-897.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Composite near-field superlens design using mixing formulas and simulations. <i>Metamaterials</i> , 2009, 3, 129-139.	2.2	21
20	Mixing Formulas and Plasmonic Composites. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009, , 91-102.	0.2	7
21	Scattering by DB Spheres. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 542-545.	2.4	18
22	Surface modes of negative-parameter interfaces and the importance of rounding sharp corners. <i>Metamaterials</i> , 2008, 2, 113-121.	2.2	43
23	Electrostatic resonances of a negative-permittivity hemisphere. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	20
24	Polarizability of a dielectric hemisphere. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	24