Henrik M Kettunen

List of Publications by Year in descending order

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24 papers 311 citations

932766 10 h-index 940134 16 g-index

25 all docs

25 does citations

25 times ranked

234 citing authors

#	Article	IF	CITATIONS
1	Surface modes of negative-parameter interfaces and the importance of rounding sharp corners. Metamaterials, 2008, 2, 113-121.	2.2	43
2	Cloaking and magnifying using radial anisotropy. Journal of Applied Physics, 2013, 114, .	1.1	33
3	Anomalous absorption, plasmonic resonances, and invisibility of radially anisotropic spheres. Radio Science, 2015, 50, 18-28.	0.8	30
4	Complex Problem Exercises in Developing Engineering Students' Conceptual and Procedural Knowledge of Electromagnetics. IEEE Transactions on Education, 2011, 54, 63-66.	2.0	28
5	Polarizability of a dielectric hemisphere. Journal of Applied Physics, 2007, 102, .	1.1	24
6	Cloaking a metal object from an electromagnetic pulse: A comparison between various cloaking techniques. Journal of Applied Physics, 2010, 107, 034905.	1.1	22
7	Composite near-field superlens design using mixing formulas and simulations. Metamaterials, 2009, 3, 129-139.	2.2	21
8	Electrostatic resonances of a negative-permittivity hemisphere. Journal of Applied Physics, 2008, 103, .	1.1	20
9	Compensation of Fabry–Pérot Resonances in Homogenization of Dielectric Composites. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1057-1060.	2.4	20
10	Scattering by DB Spheres. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 542-545.	2.4	18
11	Electrical Response of Systropic Sphere. IEEE Transactions on Antennas and Propagation, 2012, 60, 5348-5355.	3.1	10
12	Electrostatic response of a half-disk. Journal of Electrostatics, 2009, 67, 890-897.	1.0	8
13	Mixing Formulas and Plasmonic Composites. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 91-102.	0.2	7
14	Tailoring Effective Media by Mie Resonances of Radially-Anisotropic Cylinders. Photonics, 2015, 2, 509-526.	0.9	7
15	General Systropy in Spherical Scatterers. IEEE Transactions on Antennas and Propagation, 2014, 62, 327-333.	3.1	5
16	Interactive engagement methods in teaching electrical engineering basic courses. , 2013, , .		4
17	Different retrieval methods based on S-parameters for the permittivity of composites. , 2010, , .		3
18	A comparative study of cloaking of metal objects from electromagnetic pulses. , 2010, , .		2

#	Article	IF	CITATIONS
19	Different homogenization methods based on scattering parameters of dielectricâ€composite slabs. Radio Science, 2011, 46, .	0.8	2
20	Anti-resonant response of resonant inclusions?., 2011, , .		2
21	A geometrically simple benchmark problem for negative index metamaterial homogenization. , 2010, , .		1
22	Anomalous absorption using hyperbolic radial anisotropy. , 2014, , .		1
23	Towards hyperbolic radial anisotropy using layered spheres. , 2015, , .		O
24	Mie resonances of radially anisotropic dielectric cylinders. , 2015, , .		0