

Neil V Budko

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

180
citations

1307594

7
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrum of the Volume Integral Operator of Electromagnetic Scattering. SIAM Journal of Scientific Computing, 2006, 28, 682-700.	2.8	56
2	Electromagnetic radiation in a time-varying background medium. Physical Review A, 2009, 80, .	2.5	31
3	Electromagnetic inversion using a reduced-order three-dimensional homogeneous model. Inverse Problems, 2004, 20, S17-S26.	2.0	16
4	Two-Dimensional Object Characterization With an Effective Model. Journal of Electromagnetic Waves and Applications, 1998, 12, 177-190.	1.6	13
5	Transverse Electric Scattering on Inhomogeneous Objects: Spectrum of Integral Operator and Preconditioning. SIAM Journal of Scientific Computing, 2012, 34, B226-B246.	2.8	13
6	Observation of Locally Negative Velocity of the Electromagnetic Field in Free Space. Physical Review Letters, 2009, 102, 020401.	7.8	12
7	Classification of Electromagnetic Resonances in Finite Inhomogeneous Three-Dimensional Structures. Physical Review Letters, 2006, 96, 023904.	7.8	11
8	Estimation of the average contrast of a buried object. Radio Science, 2000, 35, 547-555.	1.6	8
9	Effective permittivity of finite inhomogeneous objects. Physical Review B, 2010, 81, .	3.2	7
10	Singular modes of the electromagnetic field. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 6239-6250.	2.1	5
11	Linearized electromagnetic inversion of inhomogeneous media with dispersion. Inverse Problems, 2002, 18, 1509-1523.	2.0	3
12	Electromagnetic Wave Propagation, Radiation, and Scattering: From Fundamentals to Applications [Book Review]. IEEE Antennas and Propagation Magazine, 2020, 62, 120-121.	1.4	3
13	Superluminal, Subluminal, and Negative Velocities in Free-Space Electromagnetic Propagation. Advances in Imaging and Electron Physics, 2011, 165, 47-72.	0.2	2
14	Relativistic approach to electromagnetic imaging. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 182-187.	2.1	0
15	The Essential Modes of the Electromagnetic Scattering Operator. , 2007, , .		0
16	A Model-Order Reduction Approach to Parametric Electromagnetic Inversion. Lecture Notes in Computational Science and Engineering, 2009, , 1-19.	0.3	0