

Pavel D Terekhov

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

685
citations

1162889

8
h-index

1474057

9
g-index

17
all docs

17
docs citations

17
times ranked

519
citing authors

#	ARTICLE	IF	CITATIONS
1	Transverse Scattering and Generalized Kerker Effects in All-Dielectric Mie-Resonant Metaoptics. Physical Review Letters, 2019, 122, 193905.	2.9	152
2	Multipolar response of nonspherical silicon nanoparticles in the visible and near-infrared spectral ranges. Physical Review B, 2017, 96, .	1.1	134
3	Multipole analysis of dielectric metasurfaces composed of nonspherical nanoparticles and lattice invisibility effect. Physical Review B, 2019, 99, .	1.1	126
4	Resonant forward scattering of light by high-refractive-index dielectric nanoparticles with toroidal dipole contribution. Optics Letters, 2017, 42, 835.	1.7	77
5	Broadband forward scattering from dielectric cubic nanoantenna in lossless media. Optics Express, 2019, 27, 10924.	1.7	54
6	Enhanced absorption in all-dielectric metasurfaces due to magnetic dipole excitation. Scientific Reports, 2019, 9, 3438.	1.6	51
7	Magnetic Octupole Response of Dielectric Quadrumers. Laser and Photonics Reviews, 2020, 14, 1900331.	4.4	51
8	Polarization-dependent asymmetric light scattering by silicon nanopyramids and their multipole resonances. Journal of Applied Physics, 2019, 125, .	1.1	28
9	Destructive interference between electric and toroidal dipole moments in TiO ₂ cylinders and frustums with coaxial voids. Journal of Physics: Conference Series, 2017, 929, 012065.	0.3	5
10	Nonradiating anapole modes of dielectric particles in terahertz range. , 2016, , .		3
11	Toroidal dipole associated resonant forward scattering of light by silicon nanoparticles. , 2017, , .		2
12	Non-Huygens Invisible Metasurfaces. , 2019, , .		1
13	Optical multipole resonances of non-spherical silicon nanoparticles and the influence of illumination direction. , 2018, , .		1
14	Multipole optical response of silicon nanoparticles of a conical shape. , 2017, , .		0
15	Non-Huygens invisible metasurfaces. Journal of Physics: Conference Series, 2020, 1461, 012156.	0.3	0
16	Transmission and reflection features of all-dielectrics metasurfaces with electric and magnetic resonances. , 2019, , .		0
17	Exciting magnetic octupole in near-infrared range by nanostructuring. AIP Conference Proceedings, 2020, , .	0.3	0