Sergey Lepeshov

List of Publications by Year
in descending order

17 papers	1,680 citations	623734 14 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	1946 citing authors

#	Article	IF	Citations
1	Tunable phase-change metasurfaces. Nature Nanotechnology, 2021, 16, 615-616.	31.5	45
2	Suppressing material loss in the visible and near-infrared range for functional nanophotonics using bandgap engineering. Nature Communications, 2020, 11, 5055.	12.8	29
3	Virtual optical pulling force. Optica, 2020, 7, 1024.	9.3	26
4	Optically-induced antiferromagnetic order in Mie-resonant dielectric metasurfaces. , 2020, , .		0
5	Nonscattering-to-Superscattering Switch with Phase-Change Materials. ACS Photonics, 2019, 6, 2126-2132.	6.6	45
6	All-optical reconfigurable chiral meta-molecules. Materials Today, 2019, 25, 10-20.	14.2	52
7	Enhanced excitation and emission from 2D transition metal dichalcogenides with all-dielectric nanoantennas. Nanotechnology, 2019, 30, 254004.	2.6	17
8	Self-organized spatially separated silver 3D dendrites as efficient plasmonic nanostructures for surface-enhanced Raman spectroscopy applications. Journal of Applied Physics, 2019, 126, .	2.5	27
9	Reconfigurable Nearâ€field Enhancement with Hybrid Metalâ€Dielectric Oligomers. Laser and Photonics Reviews, 2019, 13, 1800274.	8.7	12
10	Tunable Resonance Coupling in Single Si Nanoparticleâ€“Monolayer WS₂ Structures. ACS Applied Materials & Interfaces, 2018, 10, 16690-16697.	8.0	82
11	Chiral all-dielectric trimer nanoantenna. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 208, 71-77.	2.3	16
12	Asymmetric Metasurfaces with High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math> Resonances Governed by Bound States in the Continuum. Physical Review Letters, 2018, 121, 193903.	7.8	983
13	Near-Field Coupling Effects in Mie-Resonant Photonic Structures and All-Dielectric Metasurfaces. ACS Photonics, 2018, 5, 2888-2894.	6.6	48
14	Nanophotonics with 2D transition metal dichalcogenides [Invited]. Optics Express, 2018, 26, 15972.	3.4	134
15	Enhancement of terahertz photoconductive antenna operation by optical nanoantennas (Laser) Tj ETQq1 1 0.784314 rgBT /Overlock	8.7	20
16	Fine-Tuning of the Magnetic Fano Resonance in Hybrid Oligomers via fs-Laser-Induced Reshaping. ACS Photonics, 2017, 4, 536-543.	6.6	28
17	Enhancement of terahertz photoconductive antenna operation by optical nanoantennas. Laser and Photonics Reviews, 2017, 11, 1600199.	8.7	116