Andrey A Vyshnevyy

List of Publications by Year
in descending order

23 papers	352 citations	933447 10 h-index	839539 18 g-index
25 all docs	25 docs citations	25 times ranked	350 citing authors

#	Article	IF	Citations
1	Comment on â€œThermal, Quantum Antibunching and Lasing Thresholds from Single Emitters to Macroscopic Devicesâ€ Physical Review Letters, 2022, 128, 029401.	7.8	3
2	Gain-dependent Purcell enhancement, breakdown of Einstein's relations, and superradiance in nanolasers. Physical Review B, 2022, 105, .	3.2	2
3	Broadband Optical Constants and Nonlinear Properties of SnS2 and SnSe2. Nanomaterials, 2022, 12, 141.	4.1	11
4	Topological phase singularities in atomically thin high-refractive-index materials. Nature Communications, 2022, 13, 2049.	12.8	43
5	Optical Constants and Structural Properties of Epitaxial MoS2 Monolayers. Nanomaterials, 2021, 11, 1411.	4.1	17
6	Optical Constants of Chemical Vapor Deposited Graphene for Photonic Applications. Nanomaterials, 2021, 11, 1230.	4.1	26
7	Hybrid Metal-Dielectric-Metal Sandwiches for SERS Applications. Nanomaterials, 2021, 11, 3205.	4.1	8
8	Broadband Optical Properties of Atomically Thin PtS2 and PtSe2. Nanomaterials, 2021, 11, 3269.	4.1	13
9	Hybrid Electro-Optical Pumping of Active Plasmonic Nanostructures. , 2021, , .		0
10	Hybrid Electro-Optical Pumping of Active Plasmonic Nanostructures. Nanomaterials, 2020, 10, 856.	4.1	4
11	Broadband optical properties of monolayer and bulk MoS2. Npj 2D Materials and Applications, 2020, 4, .	7.9	112
12	Elusive Coherence of Metal-Semiconductor Nanolasers. , 2020, , .		0
13	Electrically Driven Single-Photon Sources Based on Color Centers in Silicon Carbide: Pursuing Gigacount-Per-Second Emission Rates. , 2019, , .		2
14	Enhancing the brightness of electrically driven single-photon sources using color centers in silicon carbide. Npj Quantum Information, 2018, 4, .	6.7	40
15	Noise reduction in plasmonic amplifiers. Applied Physics Express, 2018, 11, 062002.	2.4	3
16	Lasing threshold of thresholdless and non-thresholdless metal-semiconductor nanolasers. Optics Express, 2018, 26, 33473.	3.4	25
17	Self-Heating Induced Bistability in Metal-Clad Semiconductor Nanolasers. , 2018, , .		0
18	Controlling noise in plasmonic structures with gain. AIP Conference Proceedings, 2017, , .	0.4	1

#	Article	IF	Citations
19	Spontaneous Emission and Fundamental Limitations on the Signal-to-Noise Ratio in Deep-Subwavelength Plasmonic Waveguide Structures with Gain. Physical Review Applied, 2016, 6, .	3.8	7
20	Self-Heating and Cooling of Active Plasmonic Waveguides. ACS Photonics, 2016, 3, 51-57.	6.6	17
21	Setup of three Mach-Zehnder interferometers for production and observation of Greenberger-Horne-Zeilinger entanglement of electrons. Physical Review B, 2013, 87, .	3.2	6
22	Postselective measurement of the electronic entanglement in the system of two Mach-Zehnder interferometers with coulomb interaction. JETP Letters, 2013, 98, 507-513.	1.4	0
23	Two-particle entanglement in capacitively coupled Mach-Zehnder interferometers. Physical Review B, 2013, 87, .	3.2	12