

Georgy A Ermolaev

List of Publications by Year in descending order

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26
papers

679
citations

686830

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642321

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29
all docs

29
docs citations

29
times ranked

625
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics. Nature Communications, 2021, 12, 854.	5.8	154
2	Broadband optical properties of monolayer and bulk MoS ₂ . Npj 2D Materials and Applications, 2020, 4, .	3.9	112
3	Spectral ellipsometry of monolayer transition metal dichalcogenides: Analysis of excitonic peaks in dispersion. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, .	0.6	51
4	Ultrathin and Ultrasmooth Gold Films on Monolayer MoS ₂ . Advanced Materials Interfaces, 2019, 6, 1900196.	1.9	45
5	Topological phase singularities in atomically thin high-refractive-index materials. Nature Communications, 2022, 13, 2049.	5.8	43
6	Express determination of thickness and dielectric function of single-walled carbon nanotube films. Applied Physics Letters, 2020, 116, .	1.5	40
7	Directly grown crystalline gallium phosphide on sapphire for nonlinear all-dielectric nanophotonics. Applied Physics Letters, 2021, 118, .	1.5	37
8	Nonlinear Exciton-Mie Coupling in Transition Metal Dichalcogenide Nanoresonators. Laser and Photonics Reviews, 2022, 16, .	4.4	29
9	Titania Photonic Crystals with Precise Photonic Band Gap Position via Anodizing with Voltage versus Optical Path Length Modulation. Nanomaterials, 2019, 9, 651.	1.9	26
10	Optical Constants of Chemical Vapor Deposited Graphene for Photonic Applications. Nanomaterials, 2021, 11, 1230.	1.9	26
11	Surface-Enhanced Raman Spectroscopy on Hybrid Graphene/Gold Substrates near the Percolation Threshold. Nanomaterials, 2020, 10, 164.	1.9	17
12	Optical Constants and Structural Properties of Epitaxial MoS ₂ Monolayers. Nanomaterials, 2021, 11, 1411.	1.9	17
13	Densification of single-walled carbon nanotube films: Mesoscopic distinct element method simulations and experimental validation. Journal of Applied Physics, 2020, 128, .	1.1	15
14	Broadband Optical Properties of Atomically Thin PtS ₂ and PtSe ₂ . Nanomaterials, 2021, 11, 3269.	1.9	13
15	Investigation of structural and optical properties of MAPbBr ₃ monocrystals under fast electron irradiation. Journal of Materials Chemistry C, 2022, 10, 5821-5828.	2.7	11
16	Broadband Optical Constants and Nonlinear Properties of SnS ₂ and SnSe ₂ . Nanomaterials, 2022, 12, 141.	1.9	11
17	Hybrid Metal-Dielectric-Metal Sandwiches for SERS Applications. Nanomaterials, 2021, 11, 3205.	1.9	8
18	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. ACS Applied Nano Materials, 2022, 5, 8846-8858.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Spectroscopic ellipsometry of large area monolayer WS ₂ and WSe ₂ films. AIP Conference Proceedings, 2021, , .	0.3	4
20	Optical properties of thin graphene oxide films and their biosensing applications. Journal of Physics: Conference Series, 2020, 1461, 012068.	0.3	3
21	Near-field characterization of ultra-thin metal films. Journal of Physics: Conference Series, 2020, 1461, 012193.	0.3	2
22	Photogating in graphene field-effect phototransistors: Theory and observations. AIP Conference Proceedings, 2021, , .	0.3	2
23	Substrate effects in graphene field-effect transistor photodetectors. Journal of Physics: Conference Series, 2020, 1461, 012188.	0.3	1
24	Ultra-thin gold films: towards 2D metals for photonic and optoelectronic applications. Journal of Physics: Conference Series, 2020, 1461, 012184.	0.3	0
25	Excitonic nature of dispersion of two-dimensional transition metal dichalcogenides and effect of annealing on excitons. Journal of Physics: Conference Series, 2020, 1461, 012036.	0.3	0
26	Tungsten disulfide nanoparticles produced by femtosecond laser ablation in water for nanophotonic applications. Journal of Physics: Conference Series, 2021, 2015, 012155.	0.3	0