

# Georgy A Ermolaev

## List of Publications by Year in descending order

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26  
papers

679  
citations

687220

13  
h-index

642610

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of structural and optical properties of MAPbBr <sub>3</sub> monocrystals under fast electron irradiation. Journal of Materials Chemistry C, 2022, 10, 5821-5828.	2.7	11
2	Nonlinear Exciton-Mie Coupling in Transition Metal Dichalcogenide Nanoresonators. Laser and Photonics Reviews, 2022, 16, .	4.4	29
3	Broadband Optical Constants and Nonlinear Properties of SnS <sub>2</sub> and SnSe <sub>2</sub> . Nanomaterials, 2022, 12, 141.	1.9	11
4	Topological phase singularities in atomically thin high-refractive-index materials. Nature Communications, 2022, 13, 2049.	5.8	43
5	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. ACS Applied Nano Materials, 2022, 5, 8846-8858.	2.4	7
6	Spectroscopic ellipsometry of large area monolayer WS <sub>2</sub> and WSe <sub>2</sub> films. AIP Conference Proceedings, 2021, , .	0.3	4
7	Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics. Nature Communications, 2021, 12, 854.	5.8	154
8	Directly grown crystalline gallium phosphide on sapphire for nonlinear all-dielectric nanophotonics. Applied Physics Letters, 2021, 118, .	1.5	37
9	Optical Constants and Structural Properties of Epitaxial MoS <sub>2</sub> Monolayers. Nanomaterials, 2021, 11, 1411.	1.9	17
10	Optical Constants of Chemical Vapor Deposited Graphene for Photonic Applications. Nanomaterials, 2021, 11, 1230.	1.9	26
11	Photogating in graphene field-effect phototransistors: Theory and observations. AIP Conference Proceedings, 2021, , .	0.3	2
12	Hybrid Metal-Dielectric-Metal Sandwiches for SERS Applications. Nanomaterials, 2021, 11, 3205.	1.9	8
13	Tungsten disulfide nanoparticles produced by femtosecond laser ablation in water for nanophotonic applications. Journal of Physics: Conference Series, 2021, 2015, 012155.	0.3	0
14	Broadband Optical Properties of Atomically Thin PtS <sub>2</sub> and PtSe <sub>2</sub> . Nanomaterials, 2021, 11, 3269.	1.9	13
15	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
16	Near-field characterization of ultra-thin metal films. Journal of Physics: Conference Series, 2020, 1461, 012193.	0.3	2
17	Optical properties of thin graphene oxide films and their biosensing applications. Journal of Physics: Conference Series, 2020, 1461, 012068.	0.3	3
18	Ultra-thin gold films: towards 2D metals for photonic and optoelectronic applications. Journal of Physics: Conference Series, 2020, 1461, 012184.	0.3	0

#	ARTICLE	IF	CITATIONS
19	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
20	Express determination of thickness and dielectric function of single-walled carbon nanotube films. Applied Physics Letters, 2020, 116, .	1.5	40
21	Substrate effects in graphene field-effect transistor photodetectors. Journal of Physics: Conference Series, 2020, 1461, 012188.	0.3	1
22	Broadband optical properties of monolayer and bulk MoS <sub>2</sub> . Npj 2D Materials and Applications, 2020, 4, .	3.9	112
23	Surface-Enhanced Raman Spectroscopy on Hybrid Graphene/Gold Substrates near the Percolation Threshold. Nanomaterials, 2020, 10, 164.	1.9	17
24	Densification of single-walled carbon nanotube films: Mesoscopic distinct element method simulations and experimental validation. Journal of Applied Physics, 2020, 128, .	1.1	15
25	Ultrathin and Ultrasmooth Gold Films on Monolayer MoS <sub>2</sub> . Advanced Materials Interfaces, 2019, 6, 1900196.	1.9	45
26	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