Evgeniya Kovalska

List of Publications by Year
in descending order

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36 papers	605 citations	686830 13 h-index	610482 24 g-index
40 all docs	40 docs citations	40 times ranked	833 citing authors

#	Article	IF	Citations
1	InSe:Ge-doped InSe van der Waals heterostructure to enhance photogenerated carrier separation for self-powered photoelectrochemical-type photodetectors. Nanoscale, 2022, 14, 5412-5424.	2.8	9
2	High-Entropy NASICON Phosphates (Na₃M₂(PO₄)₃ and) Tj ETQq0 0 0 rgBT /Overlo Inorganic Chemistry, 2022, 61, 4092-4101.	1.9	23
3	Layered selenophosphate HgPSe₃ single crystals: a new candidate for X-ray to visible light photodetectors. Journal of Materials Chemistry C, 2022, 10, 8834-8844.	2.7	2
4	Arsenene and Antimonene. , 2022, , 149-172.		0
5	Lithium-Assisted Exfoliation of Palladium Thiophosphate Nanosheets for Photoelectrocatalytic Water Splitting. ACS Applied Nano Materials, 2021, 4, 441-448.	2.4	8
6	Electrochemical Exfoliation of Janus-like BiTeI Nanosheets for Electrocatalytic Nitrogen Reduction. ACS Applied Nano Materials, 2021, 4, 590-599.	2.4	12
7	Multispectral graphene-based electro-optical surfaces with reversible tunability from visible to microwave wavelengths. Nature Photonics, 2021, 15, 493-498.	15.6	97
8	Self-Powered Broadband Photodetector and Sensor Based on Novel Few-Layered Pd₃(PS₄)₂ Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 30806-30817.	4.0	13
9	Photocatalytic activity of twist-angle stacked 2D TaS2. Npj 2D Materials and Applications, 2021, 5, .	3.9	12
10	Edge-Hydrogenated Germanene by Electrochemical Decalcification-Exfoliation of CaGe₂: Germanene-Enabled Vapor Sensor. ACS Nano, 2021, 15, 16709-16718.	7.3	15
11	Functionalized germanane/SWCNT hybrid films as flexible anodes for lithium-ion batteries. Nanoscale Advances, 2021, 3, 4440-4446.	2.2	13
12	Non-aqueous solution-processed phosphorene by controlled low-potential electrochemical exfoliation and thin film preparation. Nanoscale, 2020, 12, 2638-2647.	2.8	33
13	Single-Step Synthesis of Platinoid-Decorated Phosphorene: Perspectives for Catalysis, Gas Sensing, and Energy Storage. ACS Applied Materials & Interfaces, 2020, 12, 50516-50526.	4.0	16
14	Wireless graphene-enabled wearable temperature sensor. Journal of Physics: Conference Series, 2020, 1571, 012001.	0.3	6
15	Transmission properties of van der Waals materials for terahertz time-domain spectroscopy applications. AIP Conference Proceedings, 2020, , .	0.3	3
16	â€œTop-downâ€•Arsenene Production by Low-Potential Electrochemical Exfoliation. Inorganic Chemistry, 2020, 59, 11259-11265.	1.9	23
17	Large-Scale Production of Nanocrystalline Black Phosphorus Ceramics. ACS Applied Materials & Interfaces, 2020, 12, 7381-7391.	4.0	23
18	Freeâ€Standing Black Phosphorus Foils for Energy Storage and Catalysis. Chemistry - A European Journal, 2020, 26, 8162-8169.	1.7	15

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19	Wireless Graphene Temperature Sensor. , 2020, , .		3
20	Transmission Properties of FeCl3-Intercalated Graphene and WS2 Thin Films for Terahertz Time-Domain Spectroscopy Applications. Nanoscale Research Letters, 2019, 14, 225.	3.1	8
21	2D WS₂ liquid crystals: tunable functionality enabling diverse applications. Nanoscale, 2019, 11, 16886-16895.	2.8	6
22	Multi-layer graphene as a selective detector for future lung cancer biosensing platforms. Nanoscale, 2019, 11, 2476-2483.	2.8	39
23	Terahertz Time-Domain Polarimetry of Carbon Nanomaterials. , 2019, , .		0
24	Polarization properties of few-layer graphene on silicon substrate in terahertz frequency range. SN Applied Sciences, 2019, 1, 1.	1.5	12
25	Mechanochemical synthesis of carbon-stabilized Cu/C, Co/C and Ni/C nanocomposites with prolonged resistance to oxidation. Scientific Reports, 2019, 9, 17435.	1.6	18
26	Transmission properties of transition metal dichalcogenides and modified graphene thin films in visible, NIR and THz frequency ranges. , 2019, , .		0
27	In situ Raman study of laserâ€induced stabilization of reduced nanoceria (CeO_{2â^'x}) supported on graphene. Journal of Raman Spectroscopy, 2019, 50, 490-498.	1.2	9
28	NLL-Assisted Multilayer Graphene Patterning. ACS Omega, 2018, 3, 1546-1554.	1.6	15
29	Graphene as plasma-compatible blocking layer material for area-selective atomic layer deposition: A feasibility study for III-nitrides. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, 01A107.	0.9	4
30	Transmission of modified graphene layers on glass, sapphire and polyimide film substrates in UV, visible, NIR and THz spectral ranges. , 2018, , .		2
31	Multilayer graphene based tunable metasurface for terahertz wave control. , 2018, , .		2
32	Time resolved terahertz spectroscopy of optically pumped multilayered graphene on silicon substrate. , 2018, , .		0
33	2D material liquid crystals for optoelectronics and photonics. Journal of Materials Chemistry C, 2017, 5, 11185-11195.	2.7	61
34	Bimolecular condensation reactions of butan-1-ol on Agâ€“CeO2 decorated multiwalled carbon nanotubes. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 1063-1080.	0.8	2
35	Organic electrolytes for graphene-based supercapacitor: Liquid, gel or solid. Materials Today Communications, 2016, 7, 155-160.	0.9	45
36	Graphene-Enabled Optoelectronics on Paper. ACS Photonics, 2016, 3, 964-971.	3.2	56