

Vasyl G Kravets

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

538
citations

759233

12
h-index

888059

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g-index

18
all docs

18
docs citations

18
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	Strained Bubbles in van der Waals Heterostructures as Local Emitters of Photoluminescence with Adjustable Wavelength. ACS Photonics, 2019, 6, 516-524.	6.6	110
2	Ultra-narrow surface lattice resonances in plasmonic metamaterial arrays for biosensing applications. Biosensors and Bioelectronics, 2018, 104, 102-112.	10.1	103
3	Giant photoeffect in proton transport through graphene membranes. Nature Nanotechnology, 2018, 13, 300-303.	31.5	59
4	Measurements of electrically tunable refractive index of MoS2 monolayer and its usage in optical modulators. Npj 2D Materials and Applications, 2019, 3, .	7.9	55
5	Graphene hot-electron light bulb: incandescence from hBN-encapsulated graphene in air. 2D Materials, 2018, 5, 011006.	4.4	43
6	Plasmonic resonances in optomagnetic metamaterials based on double dot arrays. Optics Express, 2010, 18, 9780.	3.4	23
7	Solidâ€State Electrolyteâ€Gated Graphene in Optical Modulators. Advanced Materials, 2017, 29, 1606372.	21.0	19
8	Composition, thickness and properties of grafted copolymer brush coatings determined by ellipsometry: calculation and prediction. Soft Matter, 2018, 14, 1016-1025.	2.7	18
9	Phaseâ€Responsive Fourier Nanotransducers for Probing 2D Materials and Functional Interfaces. Advanced Functional Materials, 2019, 29, 1902692.	14.9	18
10	Strong coupling of diffraction coupled plasmons and optical waveguide modes in gold stripe-dielectric nanostructures at telecom wavelengths. Scientific Reports, 2017, 7, 45196.	3.3	16
11	Ultrasensitive and rapid detection of malaria using graphene-enhanced surface plasmon resonance. 2D Materials, 2020, 7, 045019.	4.4	15
12	Metal-Dielectric-Graphene Hybrid Heterostructures with Enhanced Surface Plasmon Resonance Sensitivity Based on Amplitude and Phase Measurements. Plasmonics, 2022, 17, 973-987.	3.4	15
13	Multiple-resonant pad-rod nanoantennas for surface-enhanced infrared absorption spectroscopy. Nanotechnology, 2019, 30, 465206.	2.6	10
14	Ultrafast Spectroscopy of Graphene-Protected Thin Copper Films. ACS Photonics, 2016, 3, 1508-1516.	6.6	8
15	Plasmon-induced nanoscale quantised conductance filaments. Scientific Reports, 2017, 7, 2878.	3.3	3
16	Effect of Dielectric Fabrication Techniques on Graphene Gating. Journal of Physical Chemistry C, 2021, 125, 865-872.	3.1	1
17	Resistive coupling of localized plasmon resonances in metallic nanostripes through a graphene layer. , 2012, , .		0