

Yury V Stebunov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

825
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical constants and structural properties of thin gold films. <i>Optics Express</i> , 2017, 25, 25574.	3.4	265
2	Highly Sensitive and Selective Sensor Chips with Graphene-Oxide Linking Layer. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21727-21734.	8.0	140
3	Broadband optical properties of monolayer and bulk MoS ₂ . <i>Npj 2D Materials and Applications</i> , 2020, 4, .	7.9	112
4	Superior Sensitivity of Copper-Based Plasmonic Biosensors. <i>Langmuir</i> , 2018, 34, 4681-4687.	3.5	60
5	Spectral ellipsometry of monolayer transition metal dichalcogenides: Analysis of excitonic peaks in dispersion. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, .	1.2	51
6	Ultrathin and UltrasMOOTH Gold Films on Monolayer MoS ₂ . <i>Advanced Materials Interfaces</i> , 2019, 6, 1900196.	3.7	45
7	Topological phase singularities in atomically thin high-refractive-index materials. <i>Nature Communications</i> , 2022, 13, 2049.	12.8	43
8	Vertically Coupled Plasmonic Racetrack Ring Resonator for Biosensor Applications. <i>Sensors</i> , 2020, 20, 203.	3.8	23
9	All-nanophotonic NEMS biosensor on a chip. <i>Scientific Reports</i> , 2015, 5, 10968.	3.3	21
10	Surface-Enhanced Raman Spectroscopy on Hybrid Graphene/Gold Substrates near the Percolation Threshold. <i>Nanomaterials</i> , 2020, 10, 164.	4.1	17
11	Graphene-Supported Thin Metal Films for Nanophotonics and Optoelectronics. <i>Nanomaterials</i> , 2018, 8, 1058.	4.1	16
12	Novel graphene-oxide-coated SPR interfaces for biosensing applications. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	7
13	Detection of Modulated Terahertz Radiation Using Combined Plasma and Mechanical Resonances in Double-Carbon-Nanotube Device. <i>Applied Physics Express</i> , 2011, 4, 075101.	2.4	5
14	Direct S -matrix calculation for diffractive structures and metasurfaces. <i>Physical Review E</i> , 2018, 97, 063301.	2.1	5
15	Comparison of CVD-grown and exfoliated graphene for biosensing applications. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	5
16	Graphene oxide linking layers for highly sensitive SPR biosensing of small molecules. <i>Materials Today: Proceedings</i> , 2018, 5, 17437-17441.	1.8	4
17	SPR analysis of antibody-antigen interactions using graphene oxide linking layers. <i>Materials Today: Proceedings</i> , 2018, 5, 17442-17446.	1.8	4
18	Carbon nanotube based resonant detector of modulated terahertz radiation. <i>Technical Physics</i> , 2012, 57, 63-68.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Excitation of mechanical oscillations in double-carbon-nanotube system by terahertz radiation. , 2012, , .		0
20	Graphene nanoribbon based AM demodulator of terahertz radiation. , 2012, , .		0