Yury V Stebunov

List of Publications by Year
in descending order

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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	Topological phase singularities in atomically thin high-refractive-index materials. Nature Communications, 2022, 13, 2049.	12.8	43
2	Comparison of CVD-grown and exfoliated graphene for biosensing applications. AIP Conference Proceedings, 2021, , .	0.4	5
3	Vertically Coupled Plasmonic Racetrack Ring Resonator for Biosensor Applications. Sensors, 2020, 20, 203.	3.8	23
4	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, .	1.2	51
5	Broadband optical properties of monolayer and bulk MoS2. Npj 2D Materials and Applications, 2020, 4, .	7.9	112
6	Surface-Enhanced Raman Spectroscopy on Hybrid Graphene/Gold Substrates near the Percolation Threshold. Nanomaterials, 2020, 10, 164.	4.1	17
7	Ultrathin and Ultrasmooth Gold Films on Monolayer MoS₂. Advanced Materials Interfaces, 2019, 6, 1900196.	3.7	45
8	Superior Sensitivity of Copper-Based Plasmonic Biosensors. Langmuir, 2018, 34, 4681-4687.	3.5	60
9	Graphene oxide linking layers for highly sensitive SPR biosensing of small molecules. Materials Today: Proceedings, 2018, 5, 17437-17441.	1.8	4
10	SPR analysis of antibody-antigen interactions using graphene oxide linking layers. Materials Today: Proceedings, 2018, 5, 17442-17446.	1.8	4
11	Graphene-Supported Thin Metal Films for Nanophotonics and Optoelectronics. Nanomaterials, 2018, 8, 1058.	4.1	16
12	Direct S -matrix calculation for diffractive structures and metasurfaces. Physical Review E, 2018, 97, 063301.	2.1	5
13	Novel graphene-oxide-coated SPR interfaces for biosensing applications. AIP Conference Proceedings, 2017, , .	0.4	7
14	Optical constants and structural properties of thin gold films. Optics Express, 2017, 25, 25574.	3.4	265
15	All-nanophotonic NEMS biosensor on a chip. Scientific Reports, 2015, 5, 10968.	3.3	21
16	Highly Sensitive and Selective Sensor Chips with Graphene-Oxide Linking Layer. ACS Applied Materials & Interfaces, 2015, 7, 21727-21734.	8.0	140
17	Excitation of mechanical oscillations in double-carbon-nanotube system by terahertz radiation. , 2012, , .		0
18	Graphene nanoribbon based AM demodulator of terahertz radiation. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Carbon nanotube based resonant detector of modulated terahertz radiation. Technical Physics, 2012, 57, 63-68.	0.7	2
20	Detection of Modulated Terahertz Radiation Using Combined Plasma and Mechanical Resonances in Double-Carbon-Nanotube Device. Applied Physics Express, 2011, 4, 075101.	2.4	5