

Weiwei Yue

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

719
citations

840119

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752256

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all docs

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docs citations

20
times ranked

1253
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time reliable determination of binding kinetics of DNA hybridization using a multi-channel graphene biosensor. <i>Nature Communications</i> , 2017, 8, 14902.	5.8	303
2	Graphene isolated Au nanoparticle arrays with high reproducibility for high-performance surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 1175-1183.	4.0	113
3	Optical Properties of Graphene/MoS ₂ Heterostructure: First Principles Calculations. <i>Nanomaterials</i> , 2018, 8, 962.	1.9	64
4	Optical fiber SPR biosensor complying with a 3D composite hyperbolic metamaterial and a graphene film. <i>Photonics Research</i> , 2021, 9, 379.	3.4	43
5	Evanescent wave absorption sensor based on tapered multimode fiber coated with monolayer graphene film. <i>Optics Communications</i> , 2016, 366, 275-281.	1.0	28
6	Fabrication of integrated field-effect transistors and detecting system based on CVD grown graphene. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 467-472.	4.0	24
7	Magnetic Graphene Field-Effect Transistor Biosensor for Single-Strand DNA Detection. <i>Nanoscale Research Letters</i> , 2019, 14, 248.	3.1	21
8	An electricity-fluorescence double-checking biosensor based on graphene for detection of binding kinetics of DNA hybridization. <i>RSC Advances</i> , 2017, 7, 44559-44567.	1.7	20
9	Preparation of Graphene/ITO Nanorod Metamaterial/U-Bent-Annealing Fiber Sensor and DNA Biomolecule Detection. <i>Nanomaterials</i> , 2019, 9, 1154.	1.9	20
10	A smartphone-based double-channel fluorescence setup for immunoassay of a carcinoembryonic antigen using CuS nanoparticles for signal amplification. <i>Analyst</i> , The, 2018, 143, 1670-1678.	1.7	17
11	Evanescent Wave Absorption Sensor Based Tapered Plastic Optical Fiber Coated with Monolayer Graphene for Ethanol Molecules Detection. <i>Chinese Journal of Chemistry</i> , 2016, 34, 1039-1047.	2.6	16
12	Spin Polarization Properties of Pentagonal PdSe ₂ Induced by 3D Transition-Metal Doping: First-Principles Calculations. <i>Materials</i> , 2018, 11, 2339.	1.3	12
13	Fabrication of graphene FETs combined with fluorescence and its Double Read-Out System. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 204-210.	4.0	10
14	An optic-fiber graphene field effect transistor biosensor for the detection of single-stranded DNA. <i>Analytical Methods</i> , 2021, 13, 1839-1846.	1.3	8
15	Spin polarization properties of two-dimensional MoSeTe induced by transition-metal doping: first-principles calculations. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	7
16	Graphene Foam Chemical Sensor System Based on Principal Component Analysis and Backpropagation Neural Network. <i>Advances in Condensed Matter Physics</i> , 2018, 2018, 1-8.	0.4	4
17	An unmodified graphene foam chemical sensor based on SVM for discrimination of chemical molecules with broad selectivity. <i>RSC Advances</i> , 2017, 7, 43560-43566.	1.7	3
18	Spontaneous spin polarization of methanol molecule adsorbed on B- or N-doped graphene: first-principles calculations. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Electronic Structure and Optical Properties of a Mn-Doped InSe/WSe ₂ van der Waals Heterostructure: First Principles Calculations. Journal of the Korean Physical Society, 2020, 77, 587-591.	0.3	2
20	Improved Design of Automatic Luminometer for Total Bacteria Number Detection Based on ATP Bioluminescence. Journal of Food Safety, 2013, 33, 1-7.	1.1	1