

Shiju Abraham

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

621
citations

840585

11
h-index

996849

15
g-index

17
all docs

17
docs citations

17
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorimetric detection of cholesterol based on highly efficient peroxidase mimetic activity of graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 42-50.	4.0	159
2	A possible mechanism for the emergence of an additional band gap due to a Ti-O-C bond in the TiO ₂ -graphene hybrid system for enhanced photodegradation of methylene blue under visible light. <i>RSC Advances</i> , 2014, 4, 59890-59901.	1.7	143
3	Facile, rapid and upscaled synthesis of green luminescent functional graphene quantum dots for bioimaging. <i>RSC Advances</i> , 2014, 4, 21101.	1.7	61
4	Protein conjugated carboxylated gold@reduced graphene oxide for aflatoxin B ₁ detection. <i>RSC Advances</i> , 2015, 5, 5406-5414.	1.7	59
5	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. <i>Analytical Methods</i> , 2014, 6, 6711-6720.	1.3	36
6	Surface-Induced Silica Scaling during Brackish Water Desalination: The Role of Surface Charge and Specific Chemical Groups. <i>Environmental Science & Technology</i> , 2019, 53, 5202-5211.	4.6	32
7	Enhanced electrochemical biosensing efficiency of silica particles supported on partially reduced graphene oxide for sensitive detection of cholesterol. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 65-72.	1.9	28
8	Partially reduced graphene oxide-gold nanorods composite based bioelectrode of improved sensing performance. <i>Talanta</i> , 2015, 144, 745-754.	2.9	22
9	Functional graphene-gold nanoparticle hybrid system for enhanced electrochemical biosensing of free cholesterol. <i>Analytical Methods</i> , 2015, 7, 3993-4002.	1.3	19
10	Excellent storage stability and sensitive detection of neurotoxin quinolinic acid. <i>Biosensors and Bioelectronics</i> , 2017, 90, 224-229.	5.3	15
11	Quantitative Description of the Vesicle Fusion Mechanism on Solid Surfaces and the Role of Cholesterol. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22985-22995.	1.5	13
12	Carbon nanostructure (0-3 dimensional) supported isolated gold nanoparticles as an effective SERS substrate. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 455-465.	4.0	13
13	Effect of Temperature on the Structure, Electrical Resistivity, and Charge Capacitance of Supported Lipid Bilayers. <i>Langmuir</i> , 2019, 35, 8709-8715.	1.6	11
14	Impact of pretreatment on RO membrane organic fouling: composition and adhesion of tertiary wastewater effluent organic matter. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 775-788.	1.2	7
15	Bursting out: linking changes in nanotopography and biomechanical properties of biofilm-forming <i>Escherichia coli</i> to the T4 lytic cycle. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 26.	2.9	2