

Sitansu Sekhar Nanda

List of Publications by Year in descending order

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36
papers

986
citations

567281

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h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

1910
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of antibacterial mechanism of graphene oxide using Raman spectroscopy. Scientific Reports, 2016, 6, 28443.	3.3	173
2	Functionalization of Graphene Oxide and its Biomedical Applications. Critical Reviews in Solid State and Materials Sciences, 2015, 40, 291-315.	12.3	152
3	Raman spectrum of graphene with its versatile future perspectives. TrAC - Trends in Analytical Chemistry, 2016, 80, 125-131.	11.4	116
4	A Green Metal-Organic Framework-Cyclodextrin MOF: A Novel Multifunctional Material Based Triboelectric Nanogenerator for Highly Efficient Mechanical Energy Harvesting. Advanced Functional Materials, 2021, 31, 2101829.	14.9	64
5	Recent progress in nanotechnology for stem cell differentiation, labeling, tracking and therapy. Journal of Materials Chemistry B, 2017, 5, 9429-9451.	5.8	49
6	Oxidative stress and antibacterial properties of graphene oxide-cystamine nanohybrid. International Journal of Nanomedicine, 2015, 10, 549.	6.7	46
7	Chalcones and bis-chalcones: As potential α -amylase inhibitors; synthesis, in vitro screening, and molecular modelling studies. Bioorganic Chemistry, 2018, 79, 179-189.	4.1	39
8	Structural, electronic structure and antibacterial properties of graphene-oxide nano-sheets. Chemical Physics Letters, 2018, 698, 85-92.	2.6	35
9	Strategies for the Development of Metallic-Nanoparticle-Based Label-Free Biosensors and Their Biomedical Applications. ChemBioChem, 2020, 21, 576-600.	2.6	34
10	Mechanophysical Cues in Extracellular Matrix Regulation of Cell Behavior. ChemBioChem, 2020, 21, 1254-1264.	2.6	28
11	Hydroxyapatite-alginate Based Matrices for Drug Delivery. Current Pharmaceutical Design, 2019, 25, 3406-3416.	1.9	27
12	Nanohybridization of Low-Dimensional Nanomaterials: Synthesis, Classification, and Application. Critical Reviews in Solid State and Materials Sciences, 2013, 38, 1-56.	12.3	20
13	Structural and Electrical Properties of Nb ₃ I ₈ Layered Crystal. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800448.	2.4	18
14	Effects of Aspect Ratio Heterogeneity of an Assembly of Gold Nanorod on Localized Surface Plasmon Resonance. Journal of Physical Chemistry Letters, 2020, 11, 5972-5979.	4.6	18
15	Experimental and Theoretical Structural Characterization of Cu-Au Tripods for Photothermal Anticancer Therapy. ACS Applied Nano Materials, 2019, 2, 3735-3742.	5.0	17
16	A new device concept for bacterial sensing by Raman spectroscopy and voltage-gated monolayer graphene. Nanoscale, 2019, 11, 8528-8537.	5.6	15
17	Large-area synthesis of van der Waals two-dimensional material Nb ₃ I ₈ and its infrared detection applications. Journal of Alloys and Compounds, 2020, 831, 154877.	5.5	15
18	Construction of Alizarin Conjugated Graphene Oxide Composites for Inhibition of Candida albicans Biofilms. Biomolecules, 2020, 10, 565.	4.0	15

#	ARTICLE	IF	CITATIONS
19	Diagnosis, prevention, and treatment of coronavirus disease: a review. <i>Expert Review of Anti-Infective Therapy</i> , 2022, 20, 243-266.	4.4	14
20	Chalcones and Bis-Chalcones Analogs as DPPH and ABTS Radical Scavengers. <i>Letters in Drug Design and Discovery</i> , 2021, 18, 249-257.	0.7	12
21	Gold-Nanorod-Based Scaffolds for Wound-Healing Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 8640-8648.	5.0	9
22	Recent advances in biocompatible semiconductor nanocrystals for immunobiological applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 644-654.	5.0	8
23	Plasmonic organic bulk-heterojunction solar cells based on hydrophobic gold nanorod insertion into active layers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45920.	2.6	8
24	Graphene Oxide Based Fluorometric Detection of Hydrogen Peroxide in Milk. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1181-1185.	0.9	7
25	Cancer Cell Growth in the Near Infrared Region by Using Silica Coated Gold Nanorods. <i>Nano</i> , 2020, 15, 2050001.	1.0	7
26	Impact of Indazole Scaffold as Antibacterial and Antifungal Agent. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1152-1159.	2.1	7
27	Structural and electronic structure investigations on sonication based synthesized graphene oxide and reduced-graphene oxide nano-sheets. <i>Physica Scripta</i> , 2019, 94, 125807.	2.5	6
28	Measurement of creatinine in human plasma using a functional porous polymer structure sensing motif. <i>International Journal of Nanomedicine</i> , 2015, 10 Spec Iss, 93.	6.7	5
29	Antidiabetic, antioxidant and <i>in silico</i> studies of bacterial endosymbiont inhabiting <i>Nephelium lappaceum</i> L.. <i>Analele Universit�ii Ovidius Constan�a: Seria Chimie</i> , 2019, 30, 95-100.	0.9	5
30	SCREENING ANTIMICROBIAL POTENTIAL FOR MALAYSIAN ORIGINATED TAMARINDUS INDICA ETHANOLIC LEAVES EXTRACT. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 361.	0.3	4
31	Cancer Cell Detection on the Surface of Top-Gated Monolayer Graphene via Raman Spectroscopy. <i>ACS Applied Bio Materials</i> , 2021, 4, 1493-1498.	4.6	4
32	Enhanced proliferation of rabbit chondrocytes by using a well circulated nanoshock system. <i>Scientific Reports</i> , 2021, 11, 19388.	3.3	4
33	Fibres and films made from DNA and CTMA-modified DNA embedded with gold nanorods and organic light-emitting materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112291.	5.0	3
34	Designed growth of porous 2D Nb ₂ O ₅ with Ag nano-particles for differential detection of UV-A and UV-C. <i>Nanotechnology</i> , 2020, 31, 315502.	2.6	1
35	GSK-3 Inhibitors in the Regulation and Control of Colon Carcinoma. <i>Current Drug Targets</i> , 2021, 22, 1485-1495.	2.1	1
36	Monolayer Quantum-Dot Based Light-Sensor by a Photo-Electrochemical Mechanism. <i>Micromachines</i> , 2020, 11, 817.	2.9	0