

Abhijit Ganguly

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6631494/publications.pdf>

Version: 2024-02-01

41
papers

4,684
citations

236925

25
h-index

302126

39
g-index

43
all docs

43
docs citations

43
times ranked

8951
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the Thermal Deoxygenation of Graphene Oxide Using High-Resolution In Situ X-ray-Based Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17009-17019.	3.1	1,271
2	Anti-reflecting and photonic nanostructures. <i>Materials Science and Engineering Reports</i> , 2010, 69, 1-35.	31.8	531
3	Conducting polymer-based flexible supercapacitor. <i>Energy Science and Engineering</i> , 2015, 3, 2-26.	4.0	516
4	Rapid Microwave Synthesis of CO Tolerant Reduced Graphene Oxide-Supported Platinum Electrocatalysts for Oxidation of Methanol. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19459-19466.	3.1	386
5	Highly Efficient Visible Light Photocatalytic Reduction of CO ₂ to Hydrocarbon Fuels by Cu-Nanoparticle Decorated Graphene Oxide. <i>Nano Letters</i> , 2014, 14, 6097-6103.	9.1	312
6	Band Gap Engineering of Chemical Vapor Deposited Graphene by <i>in Situ</i> BN Doping. <i>ACS Nano</i> , 2013, 7, 1333-1341.	14.6	252
7	Anomalous blueshift in emission spectra of ZnO nanorods with sizes beyond quantum confinement regime. <i>Applied Physics Letters</i> , 2006, 88, 241905.	3.3	158
8	Ultrasensitive in Situ Label-Free DNA Detection Using a GaN Nanowire-Based Extended-Gate Field-Effect-Transistor Sensor. <i>Analytical Chemistry</i> , 2011, 83, 1938-1943.	6.5	129
9	Multi-porous Co ₃ O ₄ nanoflakes @ sponge-like few-layer partially reduced graphene oxide hybrids: towards highly stable asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12569-12577.	10.3	96
10	Label-Free Dual Sensing of DNA Molecules Using GaN Nanowires. <i>Analytical Chemistry</i> , 2009, 81, 36-42.	6.5	84
11	One-Step Hydrothermal Synthesis of Phase-Engineered MoS ₂ /MoO ₃ Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Nano Materials</i> , 2021, 4, 2642-2656.	5.0	78
12	Direct-growth of polyaniline nanowires for enzyme-immobilization and glucose detection. <i>Electrochemistry Communications</i> , 2009, 11, 850-853.	4.7	67
13	Vertically aligned epitaxial graphene nanowalls with dominated nitrogen doping for superior supercapacitors. <i>Carbon</i> , 2015, 82, 124-134.	10.3	67
14	One-Dimensional Group III-Nitrides: Growth, Properties, and Applications in Nanosensing and Nano-Optoelectronics. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2009, 34, 224-279.	12.3	59
15	Direct voltammetric sensing of L-Cysteine at pristine GaN nanowires electrode. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1688-1691.	10.1	57
16	Thermal stability study of nitrogen functionalities in a graphene network. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 235503.	1.8	55
17	Directly-Grown Hierarchical Carbon Nanotube@Polypyrrole Core-Shell Hybrid for High-Performance Flexible Supercapacitors. <i>ChemSusChem</i> , 2016, 9, 370-378.	6.8	52
18	Nitrogen-Functionalized Graphene Nanoflakes (GNFs:N): Tunable Photoluminescence and Electronic Structures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16251-16258.	3.1	51

#	ARTICLE	IF	CITATIONS
19	Functionalized GaN nanowire-based electrode for direct label-free voltammetric detection of DNA hybridization. <i>Journal of Materials Chemistry</i> , 2009, 19, 928.	6.7	48
20	Multifunctional Structural Supercapacitor Based on Urea-Activated Graphene Nanoflakes Directly Grown on Carbon Fiber Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 4245-4254.	5.1	48
21	Radially Grown Graphene Nanoflakes on Carbon Fibers as Reinforcing Interface for Polymer Composites. <i>ACS Applied Nano Materials</i> , 2020, 3, 2402-2413.	5.0	44
22	Chemical Modification of Graphene Oxide by Nitrogenation: An X-ray Absorption and Emission Spectroscopy Study. <i>Scientific Reports</i> , 2017, 7, 42235.	3.3	43
23	Paper-Based Electrochemical Biosensors for Voltammetric Detection of miRNA Biomarkers Using Reduced Graphene Oxide or MoS ₂ Nanosheets Decorated with Gold Nanoparticle Electrodes. <i>Biosensors</i> , 2021, 11, 236.	4.7	42
24	Edge promoted ultrasensitive electrochemical detection of organic bio-molecules on epitaxial graphene nanowalls. <i>Biosensors and Bioelectronics</i> , 2015, 70, 137-144.	10.1	40
25	Sensitive Chronocoulometric Detection of miRNA at Screen-Printed Electrodes Modified by Gold-Decorated MoS ₂ Nanosheets. <i>ACS Applied Bio Materials</i> , 2018, 1, 1184-1194.	4.6	33
26	Enhancing efficiency with fluorinated interlayers in small molecule organic solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 22899.	6.7	20
27	Field emission effects of nitrogenated carbon nanotubes on chlorination and oxidation. <i>Journal of Applied Physics</i> , 2008, 104, 063710.	2.5	18
28	Impedimetric detection of miRNA biomarkers using paper-based electrodes modified with bulk crystals or nanosheets of molybdenum disulfide. <i>Talanta</i> , 2022, 241, 123233.	5.5	18
29	Optical properties of functionalized GaN nanowires. <i>Journal of Applied Physics</i> , 2011, 109, 053523.	2.5	17
30	Enhanced Emission of (In, Ga) Nitride Nanowires Embedded with Self-Assembled Quantum Dots. <i>Advanced Functional Materials</i> , 2008, 18, 938-942.	14.9	16
31	Non-covalent functionalization of CVD-grown graphene with Au nanoparticles for electrochemical sensing application. <i>Journal of Nanostructure in Chemistry</i> , 2016, 6, 281-288.	9.1	14
32	Bismuthene nanosheets produced by ionic liquid assisted grinding exfoliation and their use for oxygen reduction reaction. <i>RSC Advances</i> , 2020, 10, 43585-43591.	3.6	13
33	Side Group of Poly(3-alkylthiophene)s Controlled Dispersion of Single-Walled Carbon Nanotubes for Transparent Conducting Film. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4616-4622.	8.0	11
34	Organic Solvent Based Synthesis of Gold Nanoparticle-Semiconducting 2H-MoS ₂ Hybrid Nanosheets. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10646-10657.	3.1	11
35	Production and Storage of Energy with One-Dimensional Semiconductor Nanostructures. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 109-153.	12.3	9
36	Enhanced thermoelectric performance in a percolated bismuth sulfide composite. <i>RSC Advances</i> , 2016, 6, 98952-98955.	3.6	6

#	ARTICLE	IF	CITATIONS
37	Thermal diffusivity study in supported epitaxial InN thin films by the traveling-wave technique. Journal of Applied Physics, 2008, 104, .	2.5	4
38	Radially Grown Graphene Nanoflakes for Tough and Strong Carbon Fiber Epoxy Composites. ACS Applied Nano Materials, 2021, 4, 9167-9180.	5.0	4
39	Recent Advances in GaN Nanowires: Surface-Controlled Conduction and Sensing Applications. Springer Series in Materials Science, 2012, , 295-315.	0.6	3
40	RECENT TRENDS IN INDIUM NITRIDE NANOMATERIALS. , 2008, , 431-462.		1
41	Growth and luminescence properties of one-dimensional InN and InGaN nanostructures. , 2009, , .		0