

Subrata Mondal

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

348
citations

840776

11
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel non-enzymatic sensor for urea using a polypyrrole-coated platinum electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 478-486.	7.8	61
2	Wearable Sensing Devices for Point of Care Diagnostics. <i>ACS Applied Bio Materials</i> , 2021, 4, 47-70.	4.6	58
3	Charge Density Modulated Shape-Dependent Electrocatalytic Activity of Gold Nanoparticles for the Oxidation of Ascorbic Acid. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23103-23112.	3.1	29
4	Controlled growth of polypyrrole microtubes on disposable pencil graphite electrode and their supercapacitor behavior. <i>Electrochimica Acta</i> , 2019, 324, 134875.	5.2	20
5	Remarkably Efficient Blood-Brain Barrier Crossing Polyfluorene-Chitosan Nanoparticle Selectively Tweaks Amyloid Oligomer in Cerebrospinal Fluid and A β 40. <i>ACS Omega</i> , 2018, 3, 8059-8066.	3.5	19
6	Crystal-defect-induced facet-dependent electrocatalytic activity of 3D gold nanoflowers for the selective nanomolar detection of ascorbic acid. <i>Nanoscale</i> , 2018, 10, 11091-11102.	5.6	17
7	Nanoparticle Assisted Regulation of Nucleation Pathway of Amyloid Tetramer and Inhibition of Their Fibrillation Kinetics. <i>ACS Applied Bio Materials</i> , 2019, 2, 2137-2142.	4.6	16
8	Amyloid Targeting - Artificial Chaperone Impairs Oligomer Mediated Neuronal Damage and Mitochondrial Dysfunction Associated with Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3277-3287.	3.5	14
9	Permselectivity and thickness-dependent ion transport properties of overoxidized polyaniline: a mechanistic investigation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30705-30720.	2.8	13
10	Colorimetric and fluorimetric detection of fluoride ion using thiazole derived receptor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120301.	3.9	13
11	A novel, rapid synthetic protocol for controllable sizes, conductivities and monomer units of soluble polypyrrole. <i>European Polymer Journal</i> , 2015, 71, 596-611.	5.4	12
12	Blocking Oligomeric Insulin Amyloid Fibrillation via Perylenebisimides Containing Dipeptide Tentacles. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4076-4083.	5.2	11
13	Wide Range Morphological Transition of Silver Nanoprisms by Selective Interaction with As(III): Tuning-Detuning of Surface Plasmon Offers To Decode the Mechanism. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11044-11054.	3.1	9
14	Unveiling the Excellent Electrocatalytic Activity of Grain-Boundary Enriched Anisotropic Pure Gold Nanostructures toward Hydrogen Evolution Reaction: A Combined Approach of Experiment and Theory. <i>ACS Applied Energy Materials</i> , 2021, 4, 3017-3032.	5.1	9
15	Conjugated Polymer Nanoparticles as a Fluorescence Probe for Amplified Detection of Human Serum Bilirubin. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3491-3497.	4.4	9
16	Template-Mediated Detoxification of Low-Molecular-Weight Amyloid Oligomers and Regulation of Their Nucleation Pathway. <i>ACS Applied Bio Materials</i> , 2019, 2, 5306-5312.	4.6	8
17	Shape-Controlled Synthesis of Palladium Nanostructures from Flowers to Thorns: Electrocatalytic Oxidation of Ethanol. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 758-769.	0.9	7
18	Au-Seeded Ag-Nanorod Networks for Electrocatalytic Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 9969-9983.	5.0	5

#	ARTICLE	IF	CITATIONS
19	Void-Enriched and Highly Strained Porous Au@Ag Nanoalloy as a Bifunctional Electro-Catalyst in Alkaline Direct Alcohol Fuel Cell. ACS Applied Energy Materials, 2021, 4, 5367-5374.	5.1	4
20	Modulating Early Stage Amyloid Aggregates by Dipeptide-Linked Perylenebisimides: Structure-Activity Relationship, Inhibition of Fibril Formation in Human CSF and A β 1-40. ACS Applied Bio Materials, 2018, 1, 403-413.	4.6	3
21	Zone-Specific Crystallization and a Porosity-Directed Scaling Marker for the Catalytic Efficacy of Au@Ag Alloy Nanoparticles. ACS Applied Nano Materials, 2019, 2, 7669-7685.	5.0	3
22	Influence of interfacial polymerization on the crystallinity, molecular weight, conductivity and redox behavior of poly(2,3-dimethyl aniline). Synthetic Metals, 2018, 241, 69-76.	3.9	2
23	Porous Au-seeded Ag nanorod networks conjugated with DNA aptamers for impedimetric sensing of DENV-2. Sensors and Actuators B: Chemical, 2021, 348, 130709.	7.8	2
24	Modulation of astrocytic membrane potential using citrate stabilized gold nanoparticle to control brain hyper-excitability. AIP Conference Proceedings, 2020, , .	0.4	1
25	Thin-film devices for chemical, biological, and diagnostic applications. , 2021, , 369-405.		1
26	Intracellular calcium modulating effect of neuropeptide Y: A possible therapeutic chemical against viral infection. AIP Conference Proceedings, 2020, , .	0.4	0
27	Emerging technology for point-of-care diagnostics: Recent developments. , 2022, , 15-42.		0