

# 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	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
2	Emerging technology for point-of-care diagnostics: Recent developments. , 2022, , 15-42.		0
3	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
4	Wearable Sensing Devices for Point of Care Diagnostics. <i>ACS Applied Bio Materials</i> , 2021, 4, 47-70.	4.6	58
5	Thin-film devices for chemical, biological, and diagnostic applications. , 2021, , 369-405.		1
6	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
7	Void-Enriched and Highly Strained Porous Au@Ag Nanoalloy as a Bifunctional Electro-Catalyst in Alkaline Direct Alcohol Fuel Cell. <i>ACS Applied Energy Materials</i> , 2021, 4, 5367-5374.	5.1	4
8	Porous Au-seeded Ag nanorod networks conjugated with DNA aptamers for impedimetric sensing of DENV-2. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130709.	7.8	2
9	Modulation of astrocytic membrane potential using citrate stabilized gold nanoparticle to control brain hyper-excitability. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
10	Au-Seeded Ag-Nanorod Networks for Electrocatalytic Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 9969-9983.	5.0	5
11	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
12	Intracellular calcium modulating effect of neuropeptide Y: A possible therapeutic chemical against viral infection. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
13	Controlled growth of polypyrrole microtubes on disposable pencil graphite electrode and their supercapacitor behavior. <i>Electrochimica Acta</i> , 2019, 324, 134875.	5.2	20
14	Zone-Specific Crystallization and a Porosity-Directed Scaling Marker for the Catalytic Efficacy of Au@Ag Alloy Nanoparticles. <i>ACS Applied Nano Materials</i> , 2019, 2, 7669-7685.	5.0	3
15	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
16	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
17	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
18	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

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19	Influence of interfacial polymerization on the crystallinity, molecular weight, conductivity and redox behavior of poly(2,3-dimethyl aniline). <i>Synthetic Metals</i> , 2018, 241, 69-76.	3.9	2
20	Blocking Oligomeric Insulin Amyloid Fibrillation via Perylenebisimides Containing Dipeptide Tentacles. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4076-4083.	5.2	11
21	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
22	Remarkably Efficient Blood–Brain Barrier Crossing Polyfluorene–Chitosan Nanoparticle Selectively Tweaks Amyloid Oligomer in Cerebrospinal Fluid and A $\beta$ 1–40. <i>ACS Omega</i> , 2018, 3, 8059-8066.	3.5	19
23	Modulating Early Stage Amyloid Aggregates by Dipeptide-Linked Perylenebisimides: Structure–Activity Relationship, Inhibition of Fibril Formation in Human CSF and A $\beta$ 1–40. <i>ACS Applied Bio Materials</i> , 2018, 1, 403-413.	4.6	3
24	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
25	A novel, rapid synthetic protocol for controllable sizes, conductivities and monomer units of soluble polypyrrole. <i>European Polymer Journal</i> , 2015, 51, 596-611.	5.4	12
26	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
27	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