Md Mahedi Hasan

List of Publications by Year
in descending order

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19 papers	483 citations	687363 13 h-index	888059 17 g-index
19 all docs	19 docs citations	19 times ranked	461 citing authors

#	Article	IF	Citations
1	Porous tal palm carbon nanosheets: preparation, characterization and application for the simultaneous determination of dopamine and uric acid. Nanoscale Advances, 2019, 1, 613-626.	4.6	83
2	Cost-Effective Electrochemical Sensor Based on Carbon Nanotube Modified-Pencil Electrode for the Simultaneous Determination of Hydroquinone and Catechol. Journal of the Electrochemical Society, 2018, 165, B390-B397.	2.9	58
3	Reduced Graphene Oxide Screen-Printed FTO as Highly Sensitive Electrodes for Simultaneous Determination of Dopamine and Uric Acid. Journal of the Electrochemical Society, 2018, 165, B174-B183.	2.9	46
4	Green Synthesis of Gold and Silver Nanoparticles by Using Amorphophallus paeoniifolius Tuber Extract and Evaluation of Their Antibacterial Activity. Molecules, 2020, 25, 4773.	3.8	43
5	Mechanistic insights of the oxidation of bisphenol A at ultrasonication assisted polyaniline-Au nanoparticles composite for highly sensitive electrochemical sensor. Electrochimica Acta, 2021, 374, 137968.	5.2	38
6	Metal Nanoparticles for Electrochemical Sensing: Progress and Challenges in the Clinical Transition of Point-of-Care Testing. Molecules, 2020, 25, 5787.	3.8	34
7	Fabrication of Niâ€“Co-Based Heterometallo-Supramolecular Polymer Films and the Study of Electron Transfer Kinetics for the Nonenzymatic Electrochemical Detection of Nitrite. ACS Applied Polymer Materials, 2020, 2, 273-284.	4.4	30
8	Recent Advances in Carbon and Metal Based Supramolecular Technology for Supercapacitor Applications. Chemical Record, 2022, 22, e202200041.	5.8	26
9	Fabrication of Nanostructured Pd Thin Films Using Aerosol-Assisted Chemical Vapor Deposition for the Nonenzymatic Electrochemical Detection of H₂O₂. ACS Applied Electronic Materials, 2019, 1, 417-429.	4.3	24
10	Cancer-on-a-Chip: Models for Studying Metastasis. Cancers, 2022, 14, 648.	3.7	22
11	Poly (brilliant cresyl blue)-reduced graphene oxide modified activated GCE for nitrite detection: Analyzing the synergistic interactions through experimental and computational study. Electrochimica Acta, 2020, 349, 136375.	5.2	18
12	Selective Detection of Dopamine at the AACVD Synthesized Palladium Nanoparticles and Understanding the Sensing Mechanism through Electrochemical and Computational Study. Journal of the Electrochemical Society, 2019, 166, B1528-B1542.	2.9	14
13	Computational Approach to Understanding the Electrocatalytic Reaction Mechanism for the Process of Electrochemical Oxidation of Nitrite at a Niâ€“Co-Based Heterometallo-Supramolecular Polymer. ACS Omega, 2020, 5, 12882-12891.	3.5	14
14	Ni and Co oxide water oxidation electrocatalysts: Effect of thermal treatment on catalytic activity and surface morphology. Renewable and Sustainable Energy Reviews, 2021, 145, 111097.	16.4	11
15	Cobalt Oxide Nanorod-Modified GCE as Sensitive Electrodes for Simultaneous Detection of Hydroquinone and Catechol. Processes, 2022, 10, 390.	2.8	9
16	Supporting electrolyte interaction with the AACVD synthesized Rh thin film influences the OER activity. International Journal of Hydrogen Energy, 2022, 47, 28740-28751.	7.1	8
17	Porous tal palm carbon nanosheets as a sensing material for simultaneous detection of hydroquinone and catechol. Electrochemical Science Advances, 2022, 2, e2100046.	2.8	5
18	Layer by Layer Assembly of Graphene Oxide and Reduced Graphene Oxide for Electrochemical Oxidation of Bisphenol. ECS Meeting Abstracts, 2021, MA2021-01, 1674-1674.	0.0	0

#	Article	IF	Citations
19	Effects of Graphene Oxide and Reduced Graphene Oxide Interlayer Interactions on the Charge Storage Mechanism. ECS Meeting Abstracts, 2021, MA2021-01, 503-503.	0.0	0