A J Saleh Ahammad

List of Publications by Year
in descending order

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57	2,911	236612	168136
papers	citations	25 h-index	53 g-index

58	58	58	3639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Porous tal palm carbon nanosheets as a sensing material for simultaneous detection of hydroquinone and catechol. Electrochemical Science Advances, 2022, 2, e2100046.	1.2	5
2	Preparation of Sulfurâ€doped Carbon for Supercapacitor Applications: A Review. ChemSusChem, 2022, 15, .	3.6	101
3	Cobalt Oxide Nanorod-Modified GCE as Sensitive Electrodes for Simultaneous Detection of Hydroquinone and Catechol. Processes, 2022, 10, 390.	1.3	9
4	Simultaneous Determination of Metronidazole and Ranitidine Using an Activated GCE Decorated with Electrochemically Reduced Graphene Oxide. Journal of Electronic Materials, 2022, 51, 2877-2888.	1.0	4
5	Recent Advancements in Electrochemical Deposition of Metalâ€Based Electrode Materials for Electrochemical Supercapacitors. Chemical Record, 2022, 22, e202200013.	2.9	41
6	Sensitivity Control of Hydroquinone and Catechol at Poly(Brilliant Cresyl Blue)-Modified GCE by Varying Activation Conditions of the GCE: An Experimental and Computational Study. ChemEngineering, 2022, 6, 27.	1.0	1
7	Evaluating the electrochemical detection of nitrite using a platinum nanoparticle coated jute carbon modified glassy carbon electrode and voltametric analysis. Journal of Physics and Chemistry of Solids, 2022, 165, 110659.	1.9	26
8	Recent Advances in Carbon and Metal Based Supramolecular Technology for Supercapacitor Applications. Chemical Record, 2022, 22, e202200041.	2.9	26
9	Fe(II)-Based Metallo-Supramolecular Polymer Film as a Sensing Material for the Detection of Nitrite. ECS Transactions, 2022, 107, 14783-14790.	0.3	2
10	Supporting electrolyte interaction with the AACVD synthesized Rh thin film influences the OER activity. International Journal of Hydrogen Energy, 2022, 47, 28740-28751.	3.8	8
11	Electrochemical Sensing Platforms of Dihydroxybenzene: Part 1 â€“ Carbon Nanotubes, Graphene, and their Derivatives. Chemical Record, 2021, 21, 1039-1072.	2.9	37
12	Electrochemical Sensing Platforms of Dihydroxybenzene: Partâ€…2 â€“ Nanomaterials Excluding Carbon Nanotubes and Graphene. Chemical Record, 2021, 21, 1073-1097.	2.9	25
13	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.	2.6	38
14	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
15	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
16	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.	8.2	11
17	Graphene and Carbon Nanotubeâ€based Electrochemical Sensing Platforms for Dopamine. Chemistry - an Asian Journal, 2021, 16, 3516-3543.	1.7	36
18	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.	2.0	30

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19	High yield activated porous coal carbon nanosheets from Boropukuria coal mine as supercapacitor material: Investigation of the charge storing mechanism at the interfacial region. Journal of Energy Storage, 2020, 32, 101908.	3.9	81
20	Enhancing the Performance of Dye Sensitized Solar Cells Using Silver Nanoparticles Modified Photoanode. Molecules, 2020, 25, 4021.	1.7	26
21	Green Synthesis of Gold and Silver Nanoparticles by Using Amorphophallus paeoniifolius Tuber Extract and Evaluation of Their Antibacterial Activity. Molecules, 2020, 25, 4773.	1.7	43
22	Metal Nanoparticles for Electrochemical Sensing: Progress and Challenges in the Clinical Transition of Point-of-Care Testing. Molecules, 2020, 25, 5787.	1.7	34
23	Hollow Reticular Shaped Highly Ordered Rice Husk Carbon for the Simultaneous Determination of Dopamine and Uric Acid. Electroanalysis, 2020, 32, 1957-1970.	1.5	15
24	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.	1.6	14
25	Green Chemistry Synthesis of Silver Nanoparticles and Their Potential Anticancer Effects. Cancers, 2020, 12, 855.	1.7	166
26	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.	2.6	18
27	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.	1.3	14
28	Porous tal palm carbon nanosheets: preparation, characterization and application for the simultaneous determination of dopamine and uric acid. Nanoscale Advances, 2019, 1, 613-626.	2.2	83
29	Graphene-Based Electrochemical Sensors for Biomedical Applications. , 2019, , 249-282.		5
30	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.	2.0	24
31	Activated jute carbon paste screen-printed FTO electrodes for nonenzymatic amperometric determination of nitrite. Journal of Electroanalytical Chemistry, 2019, 832, 368-379.	1.9	66
32	Pyrolytic preparation of gold nanoparticle-coated taro carbon and its application for the selective detection of dopamine. New Journal of Chemistry, 2018, 42, 4543-4552.	1.4	25
33	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.	1.3	46
34	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.	1.3	58
35	Signal Enhancement of Hydroquinone and Catechol on Their Simultaneous Determination. International Journal of Electrochemical Science, 2017, 12, 7570-7579.	0.5	7
36	Enzyme-free impedimetric glucose sensor based on gold nanoparticles/polyaniline composite film. Journal of Solid State Electrochemistry, 2016, 20, 1933-1939.	1.2	51

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37	Hydrogen Peroxide Biosensor based on the Immobilization of Horseradish Peroxidase onto a Gold Nanoparticles-Adsorbed Poly(brilliant cresyl blue) Film. Journal of the Electrochemical Society, 2015, 162, B52-B56.	1.3	19
38	Electrochemical Impedance Spectra of Dye-Sensitized Solar Cells: Fundamentals and Spreadsheet Calculation. International Journal of Photoenergy, 2014, 2014, 1-17.	1.4	151
39	A cholesterol biosensor based on a bi-enzyme immobilized on conducting poly(thionine) film. Sensors and Actuators B: Chemical, 2014, 202, 536-542.	4.0	84
40	Highly Sensitive Detection of Amoxicillin Based on Gold Nanoparticle-Modified ITO Electrode. ECS Solid State Letters, 2013, 3, P14-P16.	1.4	12
41	Gold Nanoparticle-Modified Indium Tin Oxide Electrode for Highly Sensitive Electrochemical Detection of Melamine. ECS Electrochemistry Letters, 2013, 2, B13-B15.	1.9	16
42	Poly(brilliant Cresyl Blue)-Modified Electrode for Highly Sensitive and Simultaneous Determination of Hydroquinone and Catechol. Journal of the Electrochemical Society, 2013, 160, B37-B42.	1.3	29
43	Fermi energy level tuning for high performance dye sensitized solar cells using sp2 selective nitrogen-doped carbon nanotube channels. Physical Chemistry Chemical Physics, 2012, 14, 5255.	1.3	25
44	Tio₂ Paste Formulation for Crack-Free Mesoporous Nanocrystalline Film of Dye-Sensitized Solar Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 5361-5366.	0.9	7
45	Carbon Nanotubes on Fluorine-Doped Tin Oxide for Fabrication of Dye-Sensitized Solar Cells at Low Temperature Condition. Journal of Nanoscience and Nanotechnology, 2012, 12, 5373-5380.	0.9	3
46	Spatial arrangement of carbon nanotubes in TiO2 photoelectrodes to enhance the efficiency of dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2012, 14, 4333.	1.3	40
47	Optical and electrochemical properties and the calculated structure of pentacoordinate aluminum 8-hydroxyquinoline. Inorganica Chimica Acta, 2011, 373, 124-129.	1.2	1
48	Highly sensitive and simultaneous determination of hydroquinone and catechol at poly(thionine) modified glassy carbon electrode. Electrochimica Acta, 2011, 56, 5266-5271.	2.6	177
49	Interference-Free Determination of Dopamine at the Poly(thionine)-Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2011, 158, F106-F110.	1.3	22
50	Immobilization of Horseradish Peroxidase onto a Gold-Nanoparticle-Adsorbed Poly(thionine) Film for the Construction of a Hydrogen Peroxide Biosensor. Journal of Nanoscience and Nanotechnology, 2011, 11, 5670-5675.	0.9	24
51	Selective Detection of Serotonin from the Interference by Ascorbic Acid and Uric Acid at Poly(thionine)-modified Glassy Carbon Electrode. Bulletin of the Korean Chemical Society, 2011, 32, 779-780.	1.0	5
52	Effect of Nitrite and Nitrate as the Source of OH Radical in the O₃/UV Process with or without Benzene. Bulletin of the Korean Chemical Society, 2011, 32, 3039-3044.	1.0	8
53	Synthesis of a novel imidazolium-based electrolytes and application for dye-sensitized solar cells. Electrochimica Acta, 2010, 55, 1483-1488.	2.6	38
54	A Comprehensive Review of Glucose Biosensors Based on Nanostructured Metal-Oxides. Sensors, 2010, 10, 4855-4886.	2.1	718

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55	Electrochemical Sensors Based on Carbon Nanotubes. Sensors, 2009, 9, 2289-2319.	2.1	295
56	Poly(thionine)-modified GC Electrode for Simultaneous Detection of Dopamine and Uric Acid in the Presence of Ascorbic Acid. Bulletin of the Korean Chemical Society, 2008, 29, 1883-1884.	1.0	29
57	Hydrogen Peroxide Biosensors Based on Horseradish Peroxidase and Hemoglobin. Journal of Biosensors & Bioelectronics, 0, s9, .	0.4	24