

Sadia Ameen

List of Publications by Year in descending order

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45
papers

1,401
citations

331670

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2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple ions detection by field-effect transistor sensors based on ZnO@GO and ZnO@rGO nanomaterials: Application to trace detection of Cr (III) and Cu (II). <i>Chemosphere</i> , 2022, 286, 131695.	8.2	23
2	Novel approach to synthesize morphology variant tungsten oxide thin films for efficient chemical sensing. <i>Ceramics International</i> , 2022, 48, 12506-12514.	4.8	3
3	Highly stable bulk heterojunction organic solar cells based on asymmetric benzoselenadiazole- π -oriented organic chromophores. <i>International Journal of Energy Research</i> , 2022, 46, 7825-7839.	4.5	5
4	Justifying benzoselenadiazole acceptor core as organic semiconductor for stable bulk-heterojunction organic solar cells at ambient temperature. <i>Journal of Materiomics</i> , 2021, 7, 1112-1121.	5.7	4
5	Controlled Growth of WO ₃ Pyramidal Thin Film via Hot-Filament Chemical Vapor Deposition: Electrochemical Detection of Ethylenediamine. <i>Chemosensors</i> , 2021, 9, 257.	3.6	3
6	An Effective D- π -A Type Donor Material Based on 4-Fluorobenzoylacetonitrile Core Unit for Bulk Heterojunction Organic Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 646.	2.5	2
7	Influence of Donor Groups on Benzoselenadiazole-Based Dopant-Free Hole Transporting Materials for High Performance Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 312-321.	5.1	10
8	A symmetric benzoselenadiazole based D- π -A small molecule for solution processed bulk-heterojunction organic solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 309-316.	5.8	31
9	Investigation of newly designed asymmetric chromophore in view of power conversion efficiency improvements for organic solar cells. <i>Materials Letters</i> , 2020, 260, 126865.	2.6	8
10	Benzoselenadiazole- π -core asymmetric D- π -A small molecule for solution processed bulk heterojunction organic solar cells. <i>International Journal of Energy Research</i> , 2020, 44, 12100-12111.	4.5	5
11	New energetic indandione based planar donor for stable and efficient organic solar cells. <i>Solar Energy</i> , 2020, 201, 649-657.	6.1	14
12	Underlying effects of diiodooctane as additive on the performance of bulk heterojunction organic solar cells based small organic molecule of isatin-core moiety. <i>Synthetic Metals</i> , 2020, 261, 116304.	3.9	7
13	Solution processed bulk heterojunction organic solar cells using small organic semiconducting materials based on fluorene core unit. <i>Optical Materials</i> , 2019, 91, 425-432.	3.6	13
14	Stable perovskite solar cells using thiazolo [5,4-d]thiazole-core containing hole transporting material. <i>Nano Energy</i> , 2018, 49, 372-379.	16.0	35
15	Tuning electronic structures of thiazolo[5,4-d]thiazole-based hole-transporting materials for efficient perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 180, 334-342.	6.2	24
16	Asymmetric, efficient π -conjugated organic semiconducting chromophore for bulk-heterojunction organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 149, 141-148.	3.7	14
17	Electrochemical Investigations of Hydrothermally Synthesized Porous Cobalt Oxide (Co ₃) Tj ETQq1 1 0.784314 rrgBT /Over 1.5 41	1.5	41
18	A novel perovskite solar cell design using aligned TiO ₂ nano-bundles grown on a sputtered Ti layer and a benzothiadiazole-based, dopant-free hole-transporting material. <i>Nanoscale</i> , 2017, 9, 17544-17550.	5.6	10

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19	Perovskite Solar Cells: Influence of Hole Transporting Materials on Power Conversion Efficiency. ChemSusChem, 2016, 9, 10-27.	6.8	267
20	Silicon nanowires arrays for visible light driven photocatalytic degradation of rose bengal dye. Journal of Materials Science: Materials in Electronics, 2016, 27, 10460-10467.	2.2	12
21	Azadirachta indica plant-assisted green synthesis of Mn ₃ O ₄ nanoparticles: Excellent thermal catalytic performance and chemical sensing behavior. Journal of Colloid and Interface Science, 2016, 472, 220-228.	9.4	60
22	Exclusion of metal oxide by an RF sputtered Ti layer in flexible perovskite solar cells: energetic interface between a Ti layer and an organic charge transporting layer. Dalton Transactions, 2015, 44, 6439-6448.	3.3	30
23	An electrochemical sensing platform based on hollow mesoporous ZnO nanoglobules modified glassy carbon electrode: Selective detection of piperidine chemical. Chemical Engineering Journal, 2015, 270, 564-571.	12.7	28
24	High sensitivity Schottky junction diode based on monolithically grown aligned polypyrrole nanofibers: Broad range detection of m-dihydroxybenzene. Analytica Chimica Acta, 2015, 886, 165-174.	5.4	8
25	Î±-Fe ₂ O ₃ hexagonal cones synthesized from the leaf extract of Azadirachta indica and its thermal catalytic activity. New Journal of Chemistry, 2015, 39, 7105-7111.	2.8	37
26	Effective D-A-D type chromophore of fumaronitrile-core and terminal alkylated bithiophene for solution-processed small molecule organic solar cells. Scientific Reports, 2015, 5, 11143.	3.3	33
27	An Insight into Atmospheric Plasma Jet Modified ZnO Quantum Dots Thin Film for Flexible Perovskite Solar Cell: Optoelectronic Transient and Charge Trapping Studies. Journal of Physical Chemistry C, 2015, 119, 10379-10390.	3.1	80
28	Furan-bridged thiazolo [5,4-d]thiazole based D-A-D type linear chromophore for solution-processed bulk-heterojunction organic solar cells. RSC Advances, 2015, 5, 6286-6293.	3.6	22
29	ZnO quantum dots engrafted graphene oxide thin film electrode for low level detection of ethyl acetate. Materials Letters, 2014, 136, 379-383.	2.6	20
30	Ti thin film towards the growth of crystalline-TiO ₂ nanostructures: stepped light-induced transient measurements of photocurrent and photovoltage in dye sensitized solar cell. CrystEngComm, 2014, 16, 3020.	2.6	11
31	Photocurrent Induced by Conducting Channels of Hole Transporting Layer to Adjacent Photoactive Perovskite Sensitized TiO ₂ Thin Film: Solar Cell Paradigm. Langmuir, 2014, 30, 12786-12794.	3.5	35
32	Effect of Al concentration on photoluminescence properties of sol-gel derived hydrogen annealed ZnO. Metals and Materials International, 2013, 19, 245-250.	3.4	5
33	Low temperature grown ZnO nanotubes as smart sensing electrode for the effective detection of ethanolamine chemical. Materials Letters, 2013, 106, 254-258.	2.6	25
34	TiO ₂ nanotube arrays <i>via</i> electrochemical anodic oxidation: Prospective electrode for sensing phenyl hydrazine. Applied Physics Letters, 2013, 103, .	3.3	18
35	A sea-cucumber-like hollow polyaniline spheres electrode-based chemical sensor for the efficient detection of aliphatic alcohols. RSC Advances, 2013, 3, 10460.	3.6	15
36	Highly sensitive hydrazine chemical sensor fabricated by modified electrode of vertically aligned zinc oxide nanorods. Talanta, 2012, 100, 377-383.	5.5	75

#	ARTICLE	IF	CITATIONS
37	Controlled synthesis and photoelectrochemical properties of highly ordered TiO ₂ nanorods. RSC Advances, 2012, 2, 4807.	3.6	19
38	Vertically Aligned ZnO Nanorods on Hot Filament Chemical Vapor Deposition Grown Graphene Oxide Thin Film Substrate: Solar Energy Conversion. ACS Applied Materials & Interfaces, 2012, 4, 4405-4412.	8.0	85
39	Iodine doped polyaniline thin film for heterostructure devices via PECVD technique: Morphological, structural, and electrical properties. Macromolecular Research, 2012, 20, 30-36.	2.4	28
40	An effective nanocomposite of polyaniline and ZnO: preparation, characterizations, and its photocatalytic activity. Colloid and Polymer Science, 2011, 289, 415-421.	2.1	118
41	Polyaniline/gallium doped ZnO heterostructure device via plasma enhanced polymerization technique: Preparation, characterization and electrical properties. Mikrochimica Acta, 2011, 172, 471-478.	5.0	33
42	Synthesis and Characterization of Polyaniline/MCM-41 Nanocomposites and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2011, 11, 541-545.	0.9	7
43	Electrical and Structural Characterization of Plasma Polymerized Polyaniline/TiO ₂ Heterostructure Diode: A Comparative Study of Single and Bilayer TiO ₂ Thin Film Electrode. Journal of Nanoscience and Nanotechnology, 2011, 11, 3306-3313.	0.9	11
44	Diode Behavior of Electrophoretically Deposited Polyaniline on TiO ₂ Nanoparticulate Thin Film Electrode. Journal of Nanoscience and Nanotechnology, 2011, 11, 1559-1564.	0.9	13
45	Synthesis and characterization of novel poly(1-naphthylamine)/zinc oxide nanocomposites: Application in catalytic degradation of methylene blue dye. Colloid and Polymer Science, 2010, 288, 1633-1638.	2.1	51