

Mohammed Nazim

List of Publications by Year in descending order

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759233

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22
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#	ARTICLE	IF	CITATIONS
1	Rapid photocatalytic degradation of crystal violet dye over ZnO flower nanomaterials. <i>Materials Letters</i> , 2013, 96, 228-232.	2.6	124
2	Exploring Rapid Photocatalytic Degradation of Organic Pollutants with Porous CuO Nanosheets: Synthesis, Dye Removal, and Kinetic Studies at Room Temperature. <i>ACS Omega</i> , 2021, 6, 2601-2612.	3.5	117
3	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
4	Effective D-A-D type chromophore of fumaronitrile-core and terminal alkylated bithiophene for solution-processed small molecule organic solar cells. <i>Scientific Reports</i> , 2015, 5, 11143.	3.3	33
5	D- π -A- π -D type thiazolo[5,4-d]thiazole-core organic chromophore and graphene modified PEDOT:PSS buffer layer for efficient bulk heterojunction organic solar cells. <i>Solar Energy</i> , 2018, 171, 366-373.	6.1	29
6	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
7	Furan-bridged thiazolo [5,4-d]thiazole based D- π -A- π -D type linear chromophore for solution-processed bulk-heterojunction organic solar cells. <i>RSC Advances</i> , 2015, 5, 6286-6293.	3.6	22
8	Fluorescent N-Doped Graphene Quantum Dots Embedded in Transparent Polymer Films for Photon-Downconversion Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 2322-2335.	5.0	16
9	Novel thiazolothiazole based linear chromophore for small molecule organic solar cells. <i>Chemical Physics Letters</i> , 2013, 574, 89-93.	2.6	14
10	Asymmetric, efficient π -conjugated organic semiconducting chromophore for bulk-heterojunction organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 149, 141-148.	3.7	14
11	Novel liquid crystalline oligomer with thiazolothiazole-acceptor for efficient BHJ small molecule organic solar cells. <i>Synthetic Metals</i> , 2014, 187, 178-184.	3.9	13
12	Spiro-bifluorene core based hole transporting material with graphene oxide modified CH ₃ NH ₃ PbI ₃ for inverted planar heterojunction solar cells. <i>Electrochimica Acta</i> , 2019, 319, 885-894.	5.2	13
13	Development of Three-Dimensional Nickel-Cobalt Oxide Nanoflowers for Superior Photocatalytic Degradation of Food Colorant Dyes: Catalyst Properties and Reaction Kinetic Study. <i>Langmuir</i> , 2021, 37, 12929-12939.	3.5	13
14	Green aspects of photocatalysts during corona pandemic: a promising role for the deactivation of COVID-19 virus. <i>RSC Advances</i> , 2022, 12, 13609-13627.	3.6	11
15	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
16	UV-Curable Polymer-QD Flexible Films as the Downconversion Layer for Improved Performance of Cu(In,Ga)Se ₂ Solar Cells. <i>Energy & Fuels</i> , 2020, 34, 14581-14590.	5.1	10
17	Efficient spirobifluorene-core electron-donor material for application in solution-processed organic solar cells. <i>Chemical Physics Letters</i> , 2016, 663, 137-144.	2.6	8
18	Controlled Size Growth of Thermally Stable Organometallic Halide Perovskite Microrods: Synergistic Effect of Dual-Doping, Lattice Strain Engineering, Antisolvent Crystallization, and Band Gap Tuning Properties. <i>ACS Omega</i> , 2020, 5, 16106-16119.	3.5	8

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19	Efficient catalytic degradation of organic pollutants with cupric oxide nanomaterials in aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106305.	6.7	8
20	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
21	Insertion of metal cations into hybrid organometallic halide perovskite nanocrystals for enhanced stability: eco-friendly synthesis, lattice strain engineering, and defect chemistry studies. <i>Nanoscale Advances</i> , 2022, 4, 2729-2743.	4.6	5
22	Electrochemical Detection of Chloride Ions by Copper (II) Complex with Mixed Ligand of Oxindole Derivative and Dithiocarbamates Moiety. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1358.	2.5	1