

Palas Baran Pati

List of Publications by Year in descending order

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32
papers

996
citations

394421

19
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Triad Containing a TEMPO Catalyst Grafted on Mesoporous Indium Tin Oxide as a Photoelectrocatalytic Anode for Visible Light-Driven Alcohol Oxidation. <i>ChemSusChem</i> , 2021, 14, 2902-2913.	6.8	3
2	Dye-Sensitized Photoelectrosynthesis Cells for Benzyl Alcohol Oxidation Using a Zinc Porphyrin Sensitizer and TEMPO Catalyst. <i>ACS Catalysis</i> , 2021, 11, 12075-12086.	11.2	38
3	Photocathode functionalized with a molecular cobalt catalyst for selective carbon dioxide reduction in water. <i>Nature Communications</i> , 2020, 11, 3499.	12.8	56
4	Unveiling 79-Year-Old Ixene and Its BN-Doped Derivative. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14891-14895.	13.8	29
5	Mechanistic Insights into Solid-State p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26151-26160.	3.1	3
6	A heavy metal-free CuInS ₂ quantum dot sensitized NiO photocathode with a Re molecular catalyst for photoelectrochemical CO ₂ reduction. <i>Chemical Communications</i> , 2019, 55, 7918-7921.	4.1	21
7	An Indacenodithieno[3,2-b]thiophene-Based Organic Dye for Solid-State p-Type Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2019, 12, 3243-3248.	6.8	13
8	CHAPTER 3. Dye-sensitised Solar Cells. <i>Inorganic Materials Series</i> , 2019, , 89-152.	0.7	1
9	Solid state p-type dye sensitized NiO-dye-TiO ₂ core-shell solar cells. <i>Chemical Communications</i> , 2018, 54, 3739-3742.	4.1	24
10	Effect of the change of heteroatom on phenyl capped benzazole: Photophysical and electrochemical properties from the structural viewpoint. <i>Journal of Luminescence</i> , 2018, 194, 164-169.	3.1	5
11	Ultrafast dye regeneration in a core-shell NiO-dye-TiO ₂ mesoporous film. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 36-40.	2.8	18
12	Visible Light-Driven Hydrogen Production by Carbon based Polymeric Materials. , 2018, , .		1
13	Covalently linking CuInS ₂ quantum dots with a Re catalyst by click reaction for photocatalytic CO ₂ reduction. <i>Dalton Transactions</i> , 2018, 47, 10775-10783.	3.3	37
14	Preparation of polymer nano-photocatalysts by using triton X-100 to improve performance of photocatalytic hydrogen generation. <i>Advanced Materials Letters</i> , 2018, 9, 326-330.	0.6	1
15	New dyes for DSSC containing triphenylamine based extended donor: Synthesis, photophysical properties and device performance. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 106-113.	3.9	14
16	An experimental and theoretical study of an efficient polymer nano-photocatalyst for hydrogen evolution. <i>Energy and Environmental Science</i> , 2017, 10, 1372-1376.	30.8	192
17	Insights into the Mechanism of a Covalently Linked Organic Dye-Cobaloxime Catalyst System for Dye-Sensitized Solar Fuel Devices. <i>ChemSusChem</i> , 2017, 10, 2480-2495.	6.8	65
18	Benzazole (B, N, O, S, Se and Te) based D-A-D type oligomers: Switch from electropolymerization to structural aspect. <i>Organic Electronics</i> , 2016, 38, 97-106.	2.6	24

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19	Organic chemodosimeter for cyanide: A nucleophilic approach. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 374-390.	7.8	83
20	Anomalous effects of ultradilute impurities on heat diffusion in liquids. <i>Optics Communications</i> , 2015, 334, 184-189.	2.1	4
21	MLCT based colorimetric probe for iron having D π -A π -D type architecture of benzo[2,1,3]thiadiazole acceptor and thiophene donor with azomethine pendant arm. <i>Inorganic Chemistry Communication</i> , 2014, 39, 114-118.	3.9	21
22	Benzoselenadiazole Containing Donor π -Acceptor π -Donor Small Molecules: Nonbonding Interactions, Packing Patterns, and Optoelectronic Properties. <i>Crystal Growth and Design</i> , 2014, 14, 1695-1700.	3.0	42
23	Selective bromination of 2,5-bis(2-thienyl)pyrroles and solid-state polymerization through the β -carbon of pyrrole. <i>RSC Advances</i> , 2014, 4, 17022-17027.	3.6	3
24	Highly emissive triphenylamine based fluorophores for detection of picric acid. <i>Tetrahedron Letters</i> , 2014, 55, 5290-5293.	1.4	36
25	Dicyanovinyl terthiophene as a reaction based colorimetric and ratiometric fluorescence probe for cyanide anions. <i>RSC Advances</i> , 2013, 3, 13457.	3.6	47
26	Solution Processable Benzooxadiazole and Benzothiadiazole Based D-A-D Molecules with Chalcogenophene: Field Effect Transistor Study and Structure Property Relationship. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12460-12468.	8.0	41
27	New panchromatic dyes comprising benzothiadiazole units within a donor π -acceptor π -conjugated spacer. Synthesis and photophysical properties. <i>Tetrahedron</i> , 2013, 69, 2167-2174.	1.9	12
28	Selective Colorimetric and α -Turn α -Fluorimetric Detection of Cyanide Using a Chemodosimeter Comprising Salicylaldehyde and Triphenylamine Groups. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6555-6561.	2.4	22
29	Charge Delocalization in a Homologous Series of β , β' -Bis(dianisylamino)-Substituted Thiophene Monocations. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7345-7352.	2.5	29
30	Cyclopenta[<i>c</i>]thiophene-Based D π -A Conjugated Copolymers: Effect of Heteroatoms (S, Se, and N) of Benzazole Acceptors on the Properties of Polymers. <i>Macromolecules</i> , 2012, 45, 5410-5417.	4.8	54
31	Benzooxadiazole π -based D π -A π -D co π ligomers: Synthesis and electropolymerization. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3996-4003.	2.3	25
32	Twisting (conformational changes)-based selective 2D chalcogeno podand fluorescent probes for Cr(III) and Fe(II). <i>Chemical Communications</i> , 2011, 47, 4174.	4.1	32