

Harihara Padhy

List of Publications by Year in descending order

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27
papers

645
citations

566801

15
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and applications of novel acceptor–donor–acceptor organic dyes with dithienopyrrole- and fluorene-cores for dye-sensitized solar cells. <i>Tetrahedron</i> , 2011, 67, 303-311.	1.0	75
2	Synthesis and applications of low-bandgap conjugated polymers containing phenothiazine donor and various benzodiazole acceptors for polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4823-4834.	2.5	66
3	Structural planarity and conjugation effects of novel symmetrical acceptor–donor–acceptor organic sensitizers on dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2012, 93, 1488-1497.	2.0	57
4	Synthesis and characterization of novel low-bandgap triphenylamine-based conjugated polymers with main-chain donors and pendent acceptors for organic photovoltaics. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5812-5823.	2.5	53
5	Efficient bilayer polymer solar cells possessing planar mixed-heterojunction structures. <i>Journal of Materials Chemistry</i> , 2010, 20, 3295.	6.7	43
6	Synthesis and applications of 2,7-carbazole-based conjugated main-chain copolymers containing electron deficient bithiazole units for organic solar cells. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5479-5489.	2.5	40
7	Synthesis and applications of main-chain Ru(II) metallo-polymers containing bis-terpyridyl ligands with various benzodiazole cores for solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 1196-1205.	6.7	40
8	Charge and Discharge Processes and Sodium Storage in Disodium Pyridine-2,5-Dicarboxylate Anode—Insights from Experiments and Theory. <i>Advanced Energy Materials</i> , 2018, 8, 1701572.	10.2	40
9	Synthesis and application of H-Bonded cross-linking polymers containing a conjugated pyridyl H-Acceptor side-chain polymer and various carbazole-based H-Donor dyes bearing symmetrical cyanoacrylic acids for organic solar cells. <i>Polymer</i> , 2010, 51, 6182-6192.	1.8	38
10	Enhancement of photovoltaic properties in supramolecular polymer networks featuring a solar cell main-chain polymer H-bonded with conjugated cross-linkers. <i>Polymer</i> , 2012, 53, 1219-1228.	1.8	26
11	Synthesis of Main-Chain Metallo-Copolymers Containing Donor and Acceptor Bis-Terpyridyl Ligands for Photovoltaic Applications. <i>Macromolecular Rapid Communications</i> , 2012, 33, 528-533.	2.0	20
12	Design of Os(II)-based Sensitizers for Dye-Sensitized Solar Cells: Influence of Heterocyclic Ancillaries. <i>ChemSusChem</i> , 2013, 6, 1366-1375.	3.6	17
13	Synthesis and properties of the metallo-supramolecular polymer hydrogel poly[methyl vinyl ether-alt-mono-sodium maleate]-AgNO ₃ : Ag ⁺ /Cu ²⁺ ion exchange and effective antibacterial activity. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6406.	2.9	16
14	Synthesis of fluorinated benzotriazole (BTZ)- and benzodithiophene (BDT)-based low-bandgap conjugated polymers for solar cell applications. <i>Dyes and Pigments</i> , 2017, 139, 349-360.	2.0	16
15	Synthesis and Characterization of Reversible Chemosensory Polymers: Modulation of Sensitivity through the Attachment of Novel Imidazole Pendants. <i>Chemistry - A European Journal</i> , 2012, 18, 16061-16072.	1.7	15
16	Experimental and Theoretical Studies of Trisodium-1,3,5-Benzene Tricarboxylate as a Low-Voltage Anode Material for Sodium-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1801030.	1.8	13
17	Fine Tuning of HOMO Energy Levels for Low-Band-Gap Photovoltaic Copolymers Containing Cyclopentadithienopyrrole and Bithiazole Units. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1960-1970.	1.1	12
18	Novel metallo-dendrimers containing various Ru core ligands and dendritic thiophene arms for photovoltaic applications. <i>Polymer Chemistry</i> , 2014, 5, 5423-5435.	1.9	12

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19	Synthesis and applications of cyano- ϵ -vinylene-based polymers containing cyclopentadithiophene and dithienosilole units for photovoltaic cells. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3417-3425.	2.5	10
20	Diagnostics of homologous solar-surge plasma as observed by <i>IRIS</i> and <i>SDO</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5311-5326.	1.6	8
21	Synthesis and applications of a novel supramolecular polymer network with multiple H-bonded melamine pendants and uracil crosslinkers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 967-975.	2.5	7
22	Copper-based hydrogels with dicarboxylate spacer ligands for selective carbon dioxide separation applications. <i>New Journal of Chemistry</i> , 2018, 42, 18242-18251.	1.4	6
23	Fabrication, Characteristics, and Therapeutic Applications of Carbon-Based Nanodots. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-12.	1.5	5
24	Photoluminescence quenching effects of surface-modified gold nanoparticles on side-chain polymers containing pyridyl H-acceptors with various lateral polarities. <i>European Polymer Journal</i> , 2011, 47, 2266-2276.	2.6	4
25	Sunflower-Assisted Bio-Derived ZnO-NPs as an Efficient Nanocatalyst for the Synthesis of Novel Quinazolines with Highly Antioxidant Activities. <i>Antioxidants</i> , 2022, 11, 688.	2.2	3
26	Synthesis of silver nanoplates using regenerated watermelon rind and their application. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	2
27	Crystal structure of trichlorido(4-ferrocenyl-2,2',6',2'-terpyridine- Ir^{III} , $\text{N}^{\text{C}}\text{N}^{\text{C}}$)iridium(III) acetonitrile disolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, m69-m70.	0.2	1