Samik Jhulki

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7812272/publications.pdf

Version: 2024-02-01

35 papers	1,478 citations	331259 21 h-index	360668 35 g-index
39 all docs	39 docs citations	39 times ranked	2071 citing authors

#	Article	IF	Citations
1	Controlled nâ€Doping of Naphthaleneâ€Diimideâ€Based 2D Polymers. Advanced Materials, 2022, 34, e2101932.	11.1	13
2	Stability of FeF₃-Based Sodium-Ion Batteries in Nonflammable Ionic Liquid Electrolytes at Room and Elevated Temperatures. ACS Applied Materials & Interfaces, 2022, 14, 33447-33456.	4.0	5
3	Atom-economic synthesis of MagnÃ©li phase Ti4O7 microspheres for improved sulfur cathodes for Liâ€“S batteries. Nano Energy, 2021, 79, 105428.	8.2	49
4	Porous flexible frameworks: origins of flexibility and applications. Materials Horizons, 2021, 8, 700-727.	6.4	48
5	Reactivity of an air-stable dihydrobenzoimidazole n-dopant with organic semiconductor molecules. CheM, 2021, 7, 1050-1065.	5.8	40
6	Strain-Induced Transformation of Bulk Alloys to Zinc Nanowires. Chemistry of Materials, 2021, 33, 5368-5376.	3.2	1
7	Minimizing Long-Chain Polysulfide Formation in Li-S Batteries by Using Localized Low Concentration Highly Fluorinated Electrolytes. Journal of the Electrochemical Society, 2021, 168, 090543.	1.3	8
8	Highly air-stable, n-doped conjugated polymers achieved by dimeric organometallic dopants. Journal of Materials Chemistry C, 2021, 9, 4105-4111.	2.7	7
9	A Naphthalene Diimide Covalent Organic Framework: Comparison of Cathode Performance in Lithium-Ion Batteries with Amorphous Cross-linked and Linear Analogues, and Its Use in Aqueous Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 350-356.	2.5	20
10	Humidity Sensing through Reversible Isomerization of a Covalent Organic Framework. Journal of the American Chemical Society, 2020, 142, 783-791.	6.6	190
11	Rapid Synthesis of High Surface Area Imineâ€Linked 2D Covalent Organic Frameworks by Avoiding Pore Collapse During Isolation. Advanced Materials, 2020, 32, e1905776.	11.1	125
12	New Mechanistic Insights into the Formation of Imine-Linked Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 18637-18644.	6.6	87
13	Electron transport in a sequentially doped naphthalene diimide polymer. Materials Advances, 2020, 1, 1829-1834.	2.6	14
14	Thermal Management Enables Bright and Stable Perovskite Lightâ€Emitting Diodes. Advanced Materials, 2020, 32, e2000752.	11.1	126
15	Solution-Processable, Crystalline Ï€-Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. CheM, 2020, 6, 2035-2045.	5.8	44
16	Phosphorescent and TADF polymers and dendrimers in solution-processed self-host organic light-emitting diodes: structure analysis and design perspectives. Materials Chemistry Frontiers, 2019, 3, 1699-1721.	3.2	30
17	Understanding the Effects of Molecular Dopant on nâ€Type Organic Thermoelectric Properties. Advanced Energy Materials, 2019, 9, 1900817.	10.2	118
18	Nitrogen-Free Bifunctional Bianthryl Leads to Stable White-Light Emission in Bilayer and Multilayer OLED Devices. ACS Omega, 2018, 3, 1416-1424.	1.6	4

#	Article	IF	Citations
19	Small molecular hole-transporting materials (HTMs) in organic light-emitting diodes (OLEDs): structural diversity and classification. Journal of Materials Chemistry C, 2018, 6, 8280-8325.	2.7	84
20	Tri- and tetraarylanthracenes with novel Î», Ï‡ and Ï^ topologies as blue-emissive and fluorescent host materials in organic light-emitting diodes (OLEDs). New Journal of Chemistry, 2017, 41, 4510-4517.	1.4	6
21	Carbo[5]helicene versus planar phenanthrene as a scaffold for organic materials in OLEDs: the electroluminescence of anthracene-functionalized emissive materials. New Journal of Chemistry, 2017, 41, 14730-14737.	1.4	10
22	Helicenes as Allâ€inâ€One Organic Materials for Application in OLEDs: Synthesis and Diverse Applications of Carboâ€•and Aza[5]helical Diamines. Chemistry - A European Journal, 2016, 22, 9375-9386.	1.7	41
23	Diverse Metalâ€“Organic Materials (MOMs) Based on 9,9â€²-Bianthryl-Dicarboxylic Acid Linker: Luminescence Properties and CO₂ Capture. Crystal Growth and Design, 2016, 16, 2024-2032.	1.4	19
24	Deep blue-emissive bifunctional (hole-transporting + emissive) materials with CIE_yâ^¼ 0.06 based on a â€˜Uâ€™-shaped phenanthrene scaffold for application in organic light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 9310-9315.	2.7	21
25	Benzophenone-imbedded benzoyltriptycene with high triplet energy for application as a universal host material in phosphorescent organic light-emitting diodes (PhOLEDs). New Journal of Chemistry, 2016, 40, 6854-6859.	1.4	14
26	Holeâ€Transporting Materials Based on Twisted Bimesitylenes for Stable Perovskite Solar Cells with High Efficiency. ChemSusChem, 2016, 9, 274-279.	3.6	48
27	Benzophenones as Generic Host Materials for Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 1527-1535.	4.0	43
28	Twisted biaryl-amines as novel host materials for green-emissive phosphorescent organic light-emitting diodes (PhOLEDs). RSC Advances, 2015, 5, 101169-101176.	1.7	6
29	Amorphous Host Materials Based on TrÃ¶gerâ€™s Base Scaffold for Application in Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2015, 7, 3298-3305.	4.0	41
30	Organic amorphous hole-transporting materials based on TrÃ¶ger's Base: alternatives to NPB. RSC Advances, 2015, 5, 26806-26810.	1.7	22
31	Bifunctional organic materials for OLEDs based on TrÃ¶gerâ€™s base: Subtle structural changes and significant differences in electroluminescence. Organic Electronics, 2014, 15, 3766-3772.	1.4	22
32	Facile organocatalytic domino oxidation of diols to lactones by in situ-generated TetMe-IBX. Tetrahedron, 2014, 70, 2286-2293.	1.0	23
33	Catalytic and Chemoselective Oxidation of Activated Alcohols and Direct Conversion of Diols to Lactones with In Situâ€Generated Bisâ€IBX Catalyst. European Journal of Organic Chemistry, 2013, 2013, 2445-2452.	1.2	43
34	Oxidation of benzyl alcohols, benzyl halides, and alkylbenzenes with oxone. Tetrahedron, 2012, 68, 9763-9768.	1.0	36
35	Twist Does a Twist to the Reactivity: Stoichiometric and Catalytic Oxidations with Twisted Tetramethyl-IBX. Journal of Organic Chemistry, 2011, 76, 9593-9601.	1.7	69