# Samik Jhulki

List of Publications by Year
in descending order



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|---|---|---|---|
| 35 papers | 1,478 citations | 331670 21 h-index | 361022 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. | 21.0 | 13 |
| 2 | Stability of FeF<sub>3</sub>-Based Sodium-Ion Batteries in Nonflammable Ionic Liquid Electrolytes at Room and Elevated Temperatures. ACS Applied Materials & Interfaces, 2022, 14, 33447-33456. | 8.0 | 5 |
| 3 | Atom-economic synthesis of MagnÃ©li phase Ti4O7 microspheres for improved sulfur cathodes for Liâ€“S batteries. Nano Energy, 2021, 79, 105428. | 16.0 | 49 |
| 4 | Porous flexible frameworks: origins of flexibility and applications. Materials Horizons, 2021, 8, 700-727. | 12.2 | 48 |
| 5 | Reactivity of an air-stable dihydrobenzoimidazole n-dopant with organic semiconductor molecules. CheM, 2021, 7, 1050-1065. | 11.7 | 40 |
| 6 | Strain-Induced Transformation of Bulk Alloys to Zinc Nanowires. Chemistry of Materials, 2021, 33, 5368-5376. | 6.7 | 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. | 2.9 | 8 |
| 8 | Highly air-stable, n-doped conjugated polymers achieved by dimeric organometallic dopants. Journal of Materials Chemistry C, 2021, 9, 4105-4111. | 5.5 | 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. | 5.1 | 20 |
| 10 | Humidity Sensing through Reversible Isomerization of a Covalent Organic Framework. Journal of the American Chemical Society, 2020, 142, 783-791. | 13.7 | 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. | 21.0 | 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. | 13.7 | 87 |
| 13 | Electron transport in a sequentially doped naphthalene diimide polymer. Materials Advances, 2020, 1, 1829-1834. | 5.4 | 14 |
| 14 | Thermal Management Enables Bright and Stable Perovskite Lightâ€Emitting Diodes. Advanced Materials, 2020, 32, e2000752. | 21.0 | 126 |
| 15 | Solution-Processable, Crystalline Ï€-Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. CheM, 2020, 6, 2035-2045. | 11.7 | 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. | 5.9 | 30 |
| 17 | Understanding the Effects of Molecular Dopant on nâ€Type Organic Thermoelectric Properties. Advanced Energy Materials, 2019, 9, 1900817. | 19.5 | 118 |
| 18 | Nitrogen-Free Bifunctional Bianthryl Leads to Stable White-Light Emission in Bilayer and Multilayer OLED Devices. ACS Omega, 2018, 3, 1416-1424. | 3.5 | 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. | 5.5 | 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. | 2.8 | 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. | 2.8 | 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. | 3.3 | 41 |
| 23 | Diverse Metalâ€“Organic Materials (MOMs) Based on 9,9â€²-Bianthryl-Dicarboxylic Acid Linker: Luminescence Properties and CO<sub>2</sub> Capture. Crystal Growth and Design, 2016, 16, 2024-2032. | 3.0 | 19 |
| 24 | Deep blue-emissive bifunctional (hole-transporting + emissive) materials with CIE<sub>y</sub>â^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. | 5.5 | 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. | 2.8 | 14 |
| 26 | Holeâ€Transporting Materials Based on Twisted Bimesitylenes for Stable Perovskite Solar Cells with High Efficiency. ChemSusChem, 2016, 9, 274-279. | 6.8 | 48 |
| 27 | Benzophenones as Generic Host Materials for Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 1527-1535. | 8.0 | 43 |
| 28 | Twisted biaryl-amines as novel host materials for green-emissive phosphorescent organic light-emitting diodes (PhOLEDs). RSC Advances, 2015, 5, 101169-101176. | 3.6 | 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. | 8.0 | 41 |
| 30 | Organic amorphous hole-transporting materials based on TrÃ¶ger's Base: alternatives to NPB. RSC Advances, 2015, 5, 26806-26810. | 3.6 | 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. | 2.6 | 22 |
| 32 | Facile organocatalytic domino oxidation of diols to lactones by in situ-generated TetMe-IBX. Tetrahedron, 2014, 70, 2286-2293. | 1.9 | 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. | 2.4 | 43 |
| 34 | Oxidation of benzyl alcohols, benzyl halides, and alkylbenzenes with oxone. Tetrahedron, 2012, 68, 9763-9768. | 1.9 | 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. | 3.2 | 69 |