

# Samik Jhulki

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Humidity Sensing through Reversible Isomerization of a Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 783-791.	13.7	190
2	Thermal Management Enables Bright and Stable Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2020, 32, e2000752.	21.0	126
3	Rapid Synthesis of High Surface Area Imine-Linked 2D Covalent Organic Frameworks by Avoiding Pore Collapse During Isolation. <i>Advanced Materials</i> , 2020, 32, e1905776.	21.0	125
4	Understanding the Effects of Molecular Dopant on n-Type Organic Thermoelectric Properties. <i>Advanced Energy Materials</i> , 2019, 9, 1900817.	19.5	118
5	New Mechanistic Insights into the Formation of Imine-Linked Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 18637-18644.	13.7	87
6	Small molecular hole-transporting materials (HTMs) in organic light-emitting diodes (OLEDs): structural diversity and classification. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8280-8325.	5.5	84
7	Twist Does a Twist to the Reactivity: Stoichiometric and Catalytic Oxidations with Twisted Tetramethyl-IBX. <i>Journal of Organic Chemistry</i> , 2011, 76, 9593-9601.	3.2	69
8	Atom-economic synthesis of Magn@li phase Ti4O7 microspheres for improved sulfur cathodes for Li-S batteries. <i>Nano Energy</i> , 2021, 79, 105428.	16.0	49
9	Hole-Transporting Materials Based on Twisted Bimesitylenes for Stable Perovskite Solar Cells with High Efficiency. <i>ChemSusChem</i> , 2016, 9, 274-279.	6.8	48
10	Porous flexible frameworks: origins of flexibility and applications. <i>Materials Horizons</i> , 2021, 8, 700-727.	12.2	48
11	Solution-Processable, Crystalline $\pi$ -Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. <i>CheM</i> , 2020, 6, 2035-2045.	11.7	44
12	Catalytic and Chemoselective Oxidation of Activated Alcohols and Direct Conversion of Diols to Lactones with In Situ-Generated Bis-IBX Catalyst. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2445-2452.	2.4	43
13	Benzophenones as Generic Host Materials for Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1527-1535.	8.0	43
14	Amorphous Host Materials Based on Triger-TMs Base Scaffold for Application in Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 3298-3305.	8.0	41
15	Helicenes as All-in-One Organic Materials for Application in OLEDs: Synthesis and Diverse Applications of Carbo- and Aza[5]helical Diamines. <i>Chemistry - A European Journal</i> , 2016, 22, 9375-9386.	3.3	41
16	Reactivity of an air-stable dihydrobenzimidazole n-dopant with organic semiconductor molecules. <i>CheM</i> , 2021, 7, 1050-1065.	11.7	40
17	Oxidation of benzyl alcohols, benzyl halides, and alkylbenzenes with oxone. <i>Tetrahedron</i> , 2012, 68, 9763-9768.	1.9	36
18	Phosphorescent and TADF polymers and dendrimers in solution-processed self-host organic light-emitting diodes: structure analysis and design perspectives. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1699-1721.	5.9	30

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19	Facile organocatalytic domino oxidation of diols to lactones by in situ-generated TetMe-IBX. <i>Tetrahedron</i> , 2014, 70, 2286-2293.	1.9	23
20	Bifunctional organic materials for OLEDs based on Tröger's base: Subtle structural changes and significant differences in electroluminescence. <i>Organic Electronics</i> , 2014, 15, 3766-3772.	2.6	22
21	Organic amorphous hole-transporting materials based on Tröger's Base: alternatives to NPB. <i>RSC Advances</i> , 2015, 5, 26806-26810.	3.6	22
22	Deep blue-emissive bifunctional (hole-transporting + emissive) materials with CIE <sub>y</sub> ≈ 0.06 based on a U-shaped phenanthrene scaffold for application in organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9310-9315.	5.5	21
23	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. <i>ACS Applied Energy Materials</i> , 2021, 4, 350-356.	5.1	20
24	Diverse Metal-Organic Materials (MOMs) Based on 9,9'-Bianthryl-Dicarboxylic Acid Linker: Luminescence Properties and CO <sub>2</sub> Capture. <i>Crystal Growth and Design</i> , 2016, 16, 2024-2032.	3.0	19
25	Benzophenone-imbedded benzoyltripitycene with high triplet energy for application as a universal host material in phosphorescent organic light-emitting diodes (PhOLEDs). <i>New Journal of Chemistry</i> , 2016, 40, 6854-6859.	2.8	14
26	Electron transport in a sequentially doped naphthalene diimide polymer. <i>Materials Advances</i> , 2020, 1, 1829-1834.	5.4	14
27	Controlled Doping of Naphthalene Diimide-Based 2D Polymers. <i>Advanced Materials</i> , 2022, 34, e2101932.	21.0	13
28	Carbo[5]helicene versus planar phenanthrene as a scaffold for organic materials in OLEDs: the electroluminescence of anthracene-functionalized emissive materials. <i>New Journal of Chemistry</i> , 2017, 41, 14730-14737.	2.8	10
29	Minimizing Long-Chain Polysulfide Formation in Li-S Batteries by Using Localized Low Concentration Highly Fluorinated Electrolytes. <i>Journal of the Electrochemical Society</i> , 2021, 168, 090543.	2.9	8
30	Highly air-stable, n-doped conjugated polymers achieved by dimeric organometallic dopants. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4105-4111.	5.5	7
31	Twisted biaryl-amines as novel host materials for green-emissive phosphorescent organic light-emitting diodes (PhOLEDs). <i>RSC Advances</i> , 2015, 5, 101169-101176.	3.6	6
32	Tri- and tetraarylanthracenes with novel h, k and r topologies as blue-emissive and fluorescent host materials in organic light-emitting diodes (OLEDs). <i>New Journal of Chemistry</i> , 2017, 41, 4510-4517.	2.8	6
33	Stability of FeF <sub>3</sub> -Based Sodium-Ion Batteries in Nonflammable Ionic Liquid Electrolytes at Room and Elevated Temperatures. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33447-33456.	8.0	5
34	Nitrogen-Free Bifunctional Bianthryl Leads to Stable White-Light Emission in Bilayer and Multilayer OLED Devices. <i>ACS Omega</i> , 2018, 3, 1416-1424.	3.5	4
35	Strain-Induced Transformation of Bulk Alloys to Zinc Nanowires. <i>Chemistry of Materials</i> , 2021, 33, 5368-5376.	6.7	1