

# Sharath Kandambeth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8160535/publications.pdf>

Version: 2024-02-01

38  
papers

11,984  
citations

87888

38  
h-index

276875

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

8566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of Crystalline 2D Covalent Organic Frameworks with Remarkable Chemical (Acid/Base) Stability via a Combined Reversible and Irreversible Route. <i>Journal of the American Chemical Society</i> , 2012, 134, 19524-19527.	13.7	1,442
2	Covalent Organic Frameworks: Chemistry beyond the Structure. <i>Journal of the American Chemical Society</i> , 2019, 141, 1807-1822.	13.7	931
3	Mechanochemical Synthesis of Chemically Stable Isoreticular Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2013, 135, 5328-5331.	13.7	821
4	Chemically Stable Multilayered Covalent Organic Nanosheets from Covalent Organic Frameworks via Mechanical Delamination. <i>Journal of the American Chemical Society</i> , 2013, 135, 17853-17861.	13.7	717
5	Layered Mg <sub>2</sub> VO <sub>5</sub> ·nH <sub>2</sub> O as Cathode Material for High-Performance Aqueous Zinc Ion Batteries. <i>ACS Energy Letters</i> , 2018, 3, 2602-2609.	17.4	581
6	Phosphoric Acid Loaded Azo (âˆ•Nâ•Nâˆ•) Based Covalent Organic Framework for Proton Conduction. <i>Journal of the American Chemical Society</i> , 2014, 136, 6570-6573.	13.7	562
7	Selective Molecular Sieving in Self-â€Standing Porous Covalentâ€Organicâ€Framework Membranes. <i>Advanced Materials</i> , 2017, 29, 1603945.	21.0	524
8	Chemical sensing in two dimensional porous covalent organic nanosheets. <i>Chemical Science</i> , 2015, 6, 3931-3939.	7.4	504
9	Self-templated chemically stable hollow spherical covalent organic framework. <i>Nature Communications</i> , 2015, 6, 6786.	12.8	480
10	Targeted Drug Delivery in Covalent Organic Nanosheets (CONs) via Sequential Postsynthetic Modification. <i>Journal of the American Chemical Society</i> , 2017, 139, 4513-4520.	13.7	475
11	Constructing Ultraporous Covalent Organic Frameworks in Seconds via an Organic Terracotta Process. <i>Journal of the American Chemical Society</i> , 2017, 139, 1856-1862.	13.7	432
12	Enhancement of Chemical Stability and Crystallinity in Porphyrinâ€Containing Covalent Organic Frameworks by Intramolecular Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13052-13056.	13.8	411
13	Self-Exfoliated Guanidinium-Based Ionic Covalent Organic Nanosheets (iCONs). <i>Journal of the American Chemical Society</i> , 2016, 138, 2823-2828.	13.7	407
14	A mechanochemically synthesized covalent organic framework as a proton-conducting solid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2682-2690.	10.3	309
15	Highly stable covalent organic frameworkâ€Au nanoparticles hybrids for enhanced activity for nitrophenol reduction. <i>Chemical Communications</i> , 2014, 50, 3169-3172.	4.1	307
16	Triazine Functionalized Porous Covalent Organic Framework for Photo-organocatalytic Eâ€Z Isomerization of Olefins. <i>Journal of the American Chemical Society</i> , 2019, 141, 6152-6156.	13.7	270
17	Chemically Delaminated Free-â€Standing Ultrathin Covalent Organic Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15604-15608.	13.8	242
18	Bifunctional covalent organic frameworks with two dimensional organocatalytic micropores. <i>Chemical Communications</i> , 2015, 51, 310-313.	4.1	195

#	ARTICLE	IF	CITATIONS
19	Multifunctional and robust covalent organic framework-nanoparticle hybrids. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7944-7952.	10.3	192
20	Phenanthroline Covalent Organic Framework Electrodes for High-Performance Zinc-Ion Supercapattery. <i>ACS Energy Letters</i> , 2020, 5, 2256-2264.	17.4	175
21	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7806-7810.	13.8	168
22	Pre-designed Metal-Anchored Building Block for In Situ Generation of Pd Nanoparticles in Porous Covalent Organic Framework: Application in Heterogeneous Tandem Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13785-13792.	8.0	162
23	Molecular Engineering of Covalent Organic Framework Cathodes for Enhanced Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2103617.	21.0	151
24	Mechanosynthesis of imine, $\beta$ -ketoenamine, and hydrogen-bonded imine-linked covalent organic frameworks using liquid-assisted grinding. <i>Chemical Communications</i> , 2014, 50, 12615-12618.	4.1	146
25	Pore surface engineering in porous, chemically stable covalent organic frameworks for water adsorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23664-23669.	10.3	143
26	Conductive Metal-Organic Frameworks Selectively Grown on Laser-Scribed Graphene for Electrochemical Microsupercapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1900482.	19.5	142
27	Convergent Covalent Organic Framework Thin Sheets as Flexible Supercapacitor Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28139-28146.	8.0	134
28	Switching on and off Interlayer Correlations and Porosity in 2D Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 12570-12581.	13.7	130
29	High-Capacity $\text{NH}_4^+$ Charge Storage in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 19178-19186.	13.7	109
30	Covalent Organic Frameworks as Negative Electrodes for High-Performance Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001673.	19.5	107
31	Porous-Organic-Framework-Templated Nitrogen-Rich Porous Carbon as a More Proficient Electrocatalyst than Pt/C for the Electrochemical Reduction of Oxygen. <i>Chemistry - A European Journal</i> , 2013, 19, 974-980.	3.3	91
32	Hollow tubular porous covalent organic framework (COF) nanostructures. <i>Chemical Communications</i> , 2015, 51, 11717-11720.	4.1	89
33	2D Covalent-Organic Framework Electrodes for Supercapacitors and Rechargeable Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2100177.	19.5	87
34	A porous porphyrin organic polymer (PPOP) for visible light triggered hydrogen production. <i>Chemical Communications</i> , 2017, 53, 4461-4464.	4.1	74
35	Constructing covalent organic frameworks in water via dynamic covalent bonding. <i>IUCr</i> , 2016, 3, 402-407.	2.2	59
36	Chemically Delaminated Free-Standing Ultrathin Covalent Organic Nanosheets. <i>Angewandte Chemie</i> , 2016, 128, 15833-15837.	2.0	52

#	ARTICLE	IF	CITATIONS
37	Porous covalent organic nanotubes and their assembly in loops and toroids. Nature Chemistry, 2022, 14, 507-514.	13.6	46
38	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. Angewandte Chemie, 2016, 128, 7937-7941.	2.0	32