Sharath Kandambeth

List of Publications by Year
in descending order

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38	11,984	87888 38	276875 41
papers	citations	h-index	g-index

41	41	41	8566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2D Covalentâ€Organic Framework Electrodes for Supercapacitors and Rechargeable Metalâ€Ion Batteries. Advanced Energy Materials, 2022, 12, 2100177.	19.5	87
2	Porous covalent organic nanotubes and their assembly in loops and toroids. Nature Chemistry, 2022, 14, 507-514.	13.6	46
3	Molecular Engineering of Covalent Organic Framework Cathodes for Enhanced Zincâ€Ion Batteries. Advanced Materials, 2021, 33, e2103617.	21.0	151
4	High-Capacity NH₄⁺ Charge Storage in Covalent Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 19178-19186.	13.7	109
5	Covalent Organic Frameworks as Negative Electrodes for Highâ€Performance Asymmetric Supercapacitors. Advanced Energy Materials, 2020, 10, 2001673.	19.5	107
6	Phenanthroline Covalent Organic Framework Electrodes for High-Performance Zinc-Ion Supercapattery. ACS Energy Letters, 2020, 5, 2256-2264.	17.4	175
7	Switching on and off Interlayer Correlations and Porosity in 2D Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 12570-12581.	13.7	130
8	Conductive Metalâ€“Organic Frameworks Selectively Grown on Laserâ€Scribed Graphene for Electrochemical Microsupercapacitors. Advanced Energy Materials, 2019, 9, 1900482.	19.5	142
9	Triazine Functionalized Porous Covalent Organic Framework for Photo-organocatalytic Eâ€“Z Isomerization of Olefins. Journal of the American Chemical Society, 2019, 141, 6152-6156.	13.7	270
10	Covalent Organic Frameworks: Chemistry beyond the Structure. Journal of the American Chemical Society, 2019, 141, 1807-1822.	13.7	931
11	Layered Mg_xV₂O₅Â·nH₂O as Cathode Material for High-Performance Aqueous Zinc Ion Batteries. ACS Energy Letters, 2018, 3, 2602-2609.	17.4	581
12	Convergent Covalent Organic Framework Thin Sheets as Flexible Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 28139-28146.	8.0	134
13	Constructing Ultraporous Covalent Organic Frameworks in Seconds via an Organic Terracotta Process. Journal of the American Chemical Society, 2017, 139, 1856-1862.	13.7	432
14	Targeted Drug Delivery in Covalent Organic Nanosheets (CONs) via Sequential Postsynthetic Modification. Journal of the American Chemical Society, 2017, 139, 4513-4520.	13.7	475
15	Predesigned Metal-Anchored Building Block for In Situ Generation of Pd Nanoparticles in Porous Covalent Organic Framework: Application in Heterogeneous Tandem Catalysis. ACS Applied Materials & Interfaces, 2017, 9, 13785-13792.	8.0	162
16	A porous porphyrin organic polymer (PPOP) for visible light triggered hydrogen production. Chemical Communications, 2017, 53, 4461-4464.	4.1	74
17	Selective Molecular Sieving in Selfâ€Standing Porous Covalentâ€Organicâ€Framework Membranes. Advanced Materials, 2017, 29, 1603945.	21.0	524
18	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. Angewandte Chemie - International Edition, 2016, 55, 7806-7810.	13.8	168

#	Article	IF	Citations
19	Constructing covalent organic frameworks in waterviadynamic covalent bonding. IUCrJ, 2016, 3, 402-407.	2.2	59
20	Chemically Delaminated Freeâ€Standing Ultrathin Covalent Organic Nanosheets. Angewandte Chemie - International Edition, 2016, 55, 15604-15608.	13.8	242
21	Chemically Delaminated Freeâ€Standing Ultrathin Covalent Organic Nanosheets. Angewandte Chemie, 2016, 128, 15833-15837.	2.0	52
22	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. Angewandte Chemie, 2016, 128, 7937-7941.	2.0	32
23	A mechanochemically synthesized covalent organic framework as a proton-conducting solid electrolyte. Journal of Materials Chemistry A, 2016, 4, 2682-2690.	10.3	309
24	Self-Exfoliated Guanidinium-Based Ionic Covalent Organic Nanosheets (iCONs). Journal of the American Chemical Society, 2016, 138, 2823-2828.	13.7	407
25	Hollow tubular porous covalent organic framework (COF) nanostructures. Chemical Communications, 2015, 51, 11717-11720.	4.1	89
26	Chemical sensing in two dimensional porous covalent organic nanosheets. Chemical Science, 2015, 6, 3931-3939.	7.4	504
27	Self-templated chemically stable hollow spherical covalent organic framework. Nature Communications, 2015, 6, 6786.	12.8	480
28	Pore surface engineering in porous, chemically stable covalent organic frameworks for water adsorption. Journal of Materials Chemistry A, 2015, 3, 23664-23669.	10.3	143
29	Bifunctional covalent organic frameworks with two dimensional organocatalytic micropores. Chemical Communications, 2015, 51, 310-313.	4.1	195
30	Multifunctional and robust covalent organic frameworkâ€“nanoparticle hybrids. Journal of Materials Chemistry A, 2014, 2, 7944-7952.	10.3	192
31	Phosphoric Acid Loaded Azo (â^'Nâ•Nâ^') Based Covalent Organic Framework for Proton Conduction. Journal of the American Chemical Society, 2014, 136, 6570-6573.	13.7	562
32	Mechanosynthesis of imine, Î²-ketoenamine, and hydrogen-bonded imine-linked covalent organic frameworks using liquid-assisted grinding. Chemical Communications, 2014, 50, 12615-12618.	4.1	146
33	Highly stable covalent organic frameworkâ€“Au nanoparticles hybrids for enhanced activity for nitrophenol reduction. Chemical Communications, 2014, 50, 3169-3172.	4.1	307
34	Chemically Stable Multilayered Covalent Organic Nanosheets from Covalent Organic Frameworks via Mechanical Delamination. Journal of the American Chemical Society, 2013, 135, 17853-17861.	13.7	717
35	Enhancement of Chemical Stability and Crystallinity in Porphyrinâ€Containing Covalent Organic Frameworks by Intramolecular Hydrogen Bonds. Angewandte Chemie - International Edition, 2013, 52, 13052-13056.	13.8	411
36	Porousâ€Organicâ€Frameworkâ€Templated Nitrogenâ€Rich Porous Carbon as a More Proficient Electrocatalyst than Pt/C for the Electrochemical Reduction of Oxygen. Chemistry - A European Journal, 2013, 19, 974-980.	3.3	91

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37	Mechanochemical Synthesis of Chemically Stable Isoreticular Covalent Organic Frameworks. Journal of the American Chemical Society, 2013, 135, 5328-5331.	13.7	821
38	Construction of Crystalline 2D Covalent Organic Frameworks with Remarkable Chemical (Acid/Base) Stability via a Combined Reversible and Irreversible Route. Journal of the American Chemical Society, 2012, 134, 19524-19527.	13.7	1,442