

# Seenu Ravi

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,361  
citations

331259

21  
h-index

377514

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Adsorption of Rare Earth Elements over Functionalized Cr-MIL-101. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23918-23927.	4.0	160
2	EDTA-functionalized KCC-1 and KIT-6 mesoporous silicas for Nd <sup>3+</sup> ion recovery from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 210-218.	2.9	143
3	Carbon nanotube/metal-sulfide composite flexible electrodes for high-performance quantum dot-sensitized solar cells and supercapacitors. <i>Scientific Reports</i> , 2017, 7, 46519.	1.6	134
4	CO <sub>2</sub> adsorption and conversion into cyclic carbonates over a porous ZnBr <sub>2</sub> -grafted N-heterocyclic carbene-based aromatic polymer. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 195-205.	10.8	112
5	Aminoethanethiol-Grafted Porous Organic Polymer for Hg <sup>2+</sup> Removal in Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 10174-10182.	1.8	69
6	Hydroxylamine-Anchored Covalent Aromatic Polymer for CO <sub>2</sub> Adsorption and Fixation into Cyclic Carbonates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9324-9332.	3.2	66
7	Novel phenyl-phosphate-based porous organic polymers for removal of pharmaceutical contaminants in water. <i>Chemical Engineering Journal</i> , 2020, 379, 122290.	6.6	62
8	Solution processed low-cost and highly electrocatalytic composite NiS/PbS nanostructures as a novel counter-electrode material for high-performance quantum dot-sensitized solar cells with improved stability. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12514-12528.	2.7	53
9	Enhanced electrochemical capacitance of polyimidazole coated covellite CuS dispersed CNT composite materials for application in supercapacitors. <i>Dalton Transactions</i> , 2016, 45, 12362-12371.	1.6	46
10	Cyclic carbonate synthesis from CO <sub>2</sub> and epoxides over diamine-functionalized porous organic frameworks. <i>Journal of CO<sub>2</sub> Utilization</i> , 2017, 21, 450-458.	3.3	46
11	Achieving effective fructose-to-5-hydroxymethylfurfural conversion via facile synthesis of large surface phosphate-functionalized porous organic polymers. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118942.	10.8	43
12	Benzene triamido-tetraphosphonic acid immobilized on mesoporous silica for adsorption of Nd <sup>3+</sup> ions in aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2018, 258, 62-71.	2.2	42
13	A highly efficient zeolitic imidazolate framework catalyst for the co-catalyst and solvent free synthesis of cyclic carbonates from CO <sub>2</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , 2016, 15, 123-130.	3.3	41
14	Porous Covalent Organic Polymers Comprising a Phosphite Skeleton for Aqueous Nd(III) Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11488-11497.	4.0	41
15	Sulfonic acid functionalized mesoporous SBA-15 as catalyst for styrene carbonate synthesis from CO <sub>2</sub> and styrene oxide at moderate reaction conditions. <i>Journal of CO<sub>2</sub> Utilization</i> , 2015, 10, 88-94.	3.3	40
16	Facile synthesis of a mesoporous organic polymer grafted with 2-aminoethanethiol for Hg <sup>2+</sup> removal. <i>Microporous and Mesoporous Materials</i> , 2018, 271, 59-67.	2.2	32
17	Organic sulphonate salts tethered to mesoporous silicas as catalysts for CO <sub>2</sub> fixation into cyclic carbonates. <i>Catalysis Science and Technology</i> , 2015, 5, 1580-1587.	2.1	30
18	Incessant formation of chain-like mesoporous silica with a superior binding capacity for mercury. <i>Dalton Transactions</i> , 2014, 43, 5299-5308.	1.6	26

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19	Investigation on novel CuS/NiS composite counter electrode for hindering charge recombination in quantum dot sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2016, 777, 123-132.	1.9	25
20	Fly ash-derived mesoporous silica foams for CO <sub>2</sub> capture and aqueous Nd <sup>3+</sup> adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 241-249.	2.9	25
21	Novel benzylphosphate-based covalent porous organic polymers for the effective capture of rare earth elements from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2022, 424, 127356.	6.5	25
22	Cycloaddition of CO <sub>2</sub> and epoxides over a porous covalent triazine-based polymer incorporated with Fe <sub>3</sub> O <sub>4</sub> . <i>New Journal of Chemistry</i> , 2018, 42, 12429-12436.	1.4	23
23	Novel hierarchically dispersed mesoporous silica spheres: effective adsorbents for mercury from wastewater and a thermodynamic study. <i>New Journal of Chemistry</i> , 2014, 38, 3899-3906.	1.4	18
24	Hydroxyl solvents prompted interwoven morphological deposition of iron sulfide nanoparticles as an effective counter electrode for quantum dot sensitized Solar cell. <i>Electrochimica Acta</i> , 2016, 204, 255-262.	2.6	10
25	Diamine Functionalized Cubic Mesoporous Silica for Ibuprofen Controlled Delivery. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4784-4791.	0.9	9
26	Novel triazine carbonyl polymer with large surface area and its polyethylimine functionalization for CO <sub>2</sub> capture. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 188-194.	2.9	9
27	Cu(I)-incorporation strategy for developing styrene selective adsorbents. <i>Chemical Engineering Journal</i> , 2021, 425, 130601.	6.6	8
28	Porous organic nanofiber polymers as superfast adsorbents for capturing pharmaceutical contaminants from water. <i>Environmental Science: Nano</i> , 2022, 9, 730-741.	2.2	6
29	Sulfonated covalent triazine polymer loaded with Pd nanoparticles as a bifunctional catalyst for one pot hydrogenation esterification reaction. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122417.	1.4	5
30	Mesoporous silica-giant particle with slit pore arrangement as an adsorbent for heavy metal oxyanions from aqueous medium. <i>RSC Advances</i> , 2015, 5, 10260-10266.	1.7	4
31	Trifunctional covalent triazine and carbonyl based polymer as a catalyst for one-pot multistep organic transformation. <i>Reactive and Functional Polymers</i> , 2021, 167, 105011.	2.0	4
32	Applications of Covalent Triazine Polymers in Catalytic Organic Transformations. <i>Current Catalysis</i> , 2021, 10, 42-74.	0.5	2
33	Bio-inspired proton conducting phytigel derived zwitterionic complex membranes for fuel cells. <i>International Journal of Energy Research</i> , 2020, 45, 17120.	2.2	1
34	Metal-Organic Framework (MOF)-based CO <sub>2</sub> Adsorbents. <i>Inorganic Materials Series</i> , 2018, , 153-205.	0.5	1