## Seenu Ravi

List of Publications by Year in descending order

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SEENIL PAVI

#	Article	IF	CITATIONS
1	Selective Adsorption of Rare Earth Elements over Functionalized Cr-MIL-101. ACS Applied Materials & Interfaces, 2018, 10, 23918-23927.	8.0	160
2	EDTA-functionalized KCC-1 and KIT-6 mesoporous silicas for Nd3+ ion recovery from aqueous solutions. Journal of Industrial and Engineering Chemistry, 2018, 67, 210-218.	5.8	143
3	Carbon nanotube/metal-sulfide composite flexible electrodes for high-performance quantum dot-sensitized solar cells and supercapacitors. Scientific Reports, 2017, 7, 46519.	3.3	134
4	CO2 adsorption and conversion into cyclic carbonates over a porous ZnBr2-grafted N-heterocyclic carbene-based aromatic polymer. Applied Catalysis B: Environmental, 2019, 251, 195-205.	20.2	112
5	Aminoethanethiol-Grafted Porous Organic Polymer for Hg <sup>2+</sup> Removal in Aqueous Solution. Industrial & Engineering Chemistry Research, 2017, 56, 10174-10182.	3.7	69
6	Hydroxylamine-Anchored Covalent Aromatic Polymer for CO <sub>2</sub> Adsorption and Fixation into Cyclic Carbonates. ACS Sustainable Chemistry and Engineering, 2018, 6, 9324-9332.	6.7	66
7	Novel phenyl-phosphate-based porous organic polymers for removal of pharmaceutical contaminants in water. Chemical Engineering Journal, 2020, 379, 122290.	12.7	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. Journal of Materials Chemistry C, 2015, 3, 12514-12528.	5.5	53
9	Enhanced electrochemical capacitance of polyimidazole coated covellite CuS dispersed CNT composite materials for application in supercapacitors. Dalton Transactions, 2016, 45, 12362-12371.	3.3	46
10	Cyclic carbonate synthesis from CO2 and epoxides over diamine-functionalized porous organic frameworks. Journal of CO2 Utilization, 2017, 21, 450-458.	6.8	46
11	Achieving effective fructose-to-5-hydroxymethylfurfural conversion via facile synthesis of large surface phosphate-functionalized porous organic polymers. Applied Catalysis B: Environmental, 2020, 271, 118942.	20.2	43
12	Benzene triamido-tetraphosphonic acid immobilized on mesoporous silica for adsorption of Nd3+ ions in aqueous solution. Microporous and Mesoporous Materials, 2018, 258, 62-71.	4.4	42
13	A highly efficient zeolitic imidazolate framework catalyst for the co-catalyst and solvent free synthesis of cyclic carbonates from CO 2. Journal of CO2 Utilization, 2016, 15, 123-130.	6.8	41
14	Porous Covalent Organic Polymers Comprising a Phosphite Skeleton for Aqueous Nd(III) Capture. ACS Applied Materials & Interfaces, 2019, 11, 11488-11497.	8.0	41
15	Sulfonic acid functionalized mesoporous SBA-15 as catalyst for styrene carbonate synthesis from CO2 and styrene oxide at moderate reaction conditions. Journal of CO2 Utilization, 2015, 10, 88-94.	6.8	40
16	Facile synthesis of a mesoporous organic polymer grafted with 2-aminoethanethiol for Hg2+ removal. Microporous and Mesoporous Materials, 2018, 271, 59-67.	4.4	32
17	Organic sulphonate salts tethered to mesoporous silicas as catalysts for CO <sub>2</sub> fixation into cyclic carbonates. Catalysis Science and Technology, 2015, 5, 1580-1587.	4.1	30
18	Incessant formation of chain-like mesoporous silica with a superior binding capacity for mercury. Dalton Transactions, 2014, 43, 5299-5308.	3.3	26

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19	Investigation on novel CuS/NiS composite counter electrode for hindering charge recombination in quantum dot sensitized solar cells. Journal of Electroanalytical Chemistry, 2016, 777, 123-132.	3.8	25
20	Fly ash-derived mesoporous silica foams for CO2 capture and aqueous Nd3+ adsorption. Journal of Industrial and Engineering Chemistry, 2019, 72, 241-249.	5.8	25
21	Novel benzylphosphate-based covalent porous organic polymers for the effective capture of rare earth elements from aqueous solutions. Journal of Hazardous Materials, 2022, 424, 127356.	12.4	25
22	Cycloaddition of CO2 and epoxides over a porous covalent triazine-based polymer incorporated with Fe3O4. New Journal of Chemistry, 2018, 42, 12429-12436.	2.8	23
23	Novel hierarchically dispersed mesoporous silica spheres: effective adsorbents for mercury from wastewater and a thermodynamic study. New Journal of Chemistry, 2014, 38, 3899-3906.	2.8	18
24	Hydroxyl solvents prompted interwoven morphological deposition of iron sulfide nanoparticles as an effective counter electrode for quantum dot sensitized Solar cell. Electrochimica Acta, 2016, 204, 255-262.	5.2	10
25	Diamine Functionalized Cubic Mesoporous Silica for Ibuprofen Controlled Delivery. Journal of Nanoscience and Nanotechnology, 2015, 15, 4784-4791.	0.9	9
26	Novel triazine carbonyl polymer with large surface area and its polyethylimine functionalization for CO2 capture. Journal of Industrial and Engineering Chemistry, 2022, 108, 188-194.	5.8	9
27	Cu(I)-incorporation strategy for developing styrene selective adsorbents. Chemical Engineering Journal, 2021, 425, 130601.	12.7	8
28	Porous organic nanofiber polymers as superfast adsorbents for capturing pharmaceutical contaminants from water. Environmental Science: Nano, 2022, 9, 730-741.	4.3	6
29	Sulfonated covalent triazine polymer loaded with Pd nanoparticles as a bifunctional catalyst for one pot hydrogenation esterification reaction. Journal of Solid State Chemistry, 2021, 302, 122417.	2.9	5
30	Mesoporous silica-giant particle with slit pore arrangement as an adsorbent for heavy metal oxyanions from aqueous medium. RSC Advances, 2015, 5, 10260-10266.	3.6	4
31	Trifunctional covalent triazine and carbonyl based polymer as a catalyst for one-pot multistep organic transformation. Reactive and Functional Polymers, 2021, 167, 105011.	4.1	4
32	Applications of Covalent Triazine Polymers in Catalytic Organic Transformations. Current Catalysis, 2021, 10, 42-74.	0.5	2
33	Bio-inspired proton conducting phytagel derived zwitterionic complex membranes for fuel cells. International Journal of Energy Research, 2020, 45, 17120.	4.5	1
34	Metal–Organic Framework (MOF)-based CO2 Adsorbents. Inorganic Materials Series, 2018, , 153-205.	0.7	1