

# Lee Stevens

## List of Publications by Year in descending order

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27  
papers

1,378  
citations

516215

16  
h-index

580395

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Water Coadsorption for Carbon Dioxide Capture in Microporous Polymer Sorbents. <i>Journal of the American Chemical Society</i> , 2012, 134, 10741-10744.	6.6	259
2	Materials challenges for the development of solid sorbents for post-combustion carbon capture. <i>Journal of Materials Chemistry</i> , 2012, 22, 2815-2823.	6.7	255
3	Swellable, Water- and Acid-Tolerant Polymer Sponges for Chemoselective Carbon Dioxide Capture. <i>Journal of the American Chemical Society</i> , 2014, 136, 9028-9035.	6.6	201
4	A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10727-10738.	1.3	135
5	Experimental study of mercury removal from exhaust gases. <i>Fuel</i> , 2014, 128, 451-457.	3.4	88
6	Preparation and CO <sub>2</sub> adsorption of diamine modified montmorillonite via exfoliation grafting route. <i>Chemical Engineering Journal</i> , 2013, 215-216, 699-708.	6.6	74
7	Synthesis, characterization and evaluation of activated spherical carbon materials for CO <sub>2</sub> capture. <i>Fuel</i> , 2013, 113, 854-862.	3.4	47
8	High capacity co-precipitated manganese oxides sorbents for oxidative mercury capture. <i>Fuel</i> , 2013, 109, 559-562.	3.4	39
9	Ni Mg Mixed Metal Oxides for p-Type Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24556-24565.	4.0	34
10	High Density and Super Ultra-Microporous Activated Carbon Macrospheres with High Volumetric Capacity for CO <sub>2</sub> Capture. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700115.	2.7	30
11	Mesocellular silica foam supported polyamine adsorbents for dry CO <sub>2</sub> scrubbing: Performance of single versus blended polyamines for impregnation. <i>Applied Energy</i> , 2019, 255, 113643.	5.1	23
12	Direct primary brown coal liquefaction via non-catalytic and catalytic co-processing with model, waste and petroleum-derived hydrogen donors. <i>Fuel</i> , 2018, 234, 364-370.	3.4	22
13	Evaluation of hydrochars from lignin hydrous pyrolysis to produce biocokes after carbonization. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 742-751.	2.6	21
14	Synthesis of functionalized 3D microporous carbon foams for selective CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , 2020, 402, 125459.	6.6	20
15	Efficient dye-removal via Ni-decorated graphene oxide-carbon nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , 2021, 260, 124117.	2.0	20
16	Continuous testing of silica-PEI adsorbents in a lab.-scale twin bubbling fluidized-bed system. <i>International Journal of Greenhouse Gas Control</i> , 2019, 82, 184-191.	2.3	19
17	Pore structural evolution of shale following thermochemical treatment. <i>Marine and Petroleum Geology</i> , 2020, 112, 104058.	1.5	16
18	Reduced Graphene Oxide-NiO Photocathodes for p-Type Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 7345-7353.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Comparison of the impact of moisture on methane adsorption and nanoporosity for over mature shales and their kerogens. International Journal of Coal Geology, 2021, 237, 103705.	1.9	14
20	Formation of Metallurgical Coke within Minutes through Coal Densification and Microwave Energy. Energy & Fuels, 2019, 33, 6817-6828.	2.5	13
21	Functionalization of Silica SBA-15 with [3-(2-Aminoethylamino)Propyl] Trimethoxysilane in Supercritical CO <sub>2</sub> Modified with Methanol or Ethanol for Carbon Capture. Energies, 2020, 13, 5804.	1.6	13
22	Determination of Pore Network Accessibility in Hierarchical Porous Solids. Industrial & Engineering Chemistry Research, 2017, 56, 14822-14831.	1.8	7
23	Understanding the unusual fluidity characteristics of high ash Indian bituminous coals. Fuel Processing Technology, 2018, 176, 258-266.	3.7	5
24	Structural and chemical heterogeneity in ancient glass probed using gas overcondensation, X-ray tomography, and solid-state NMR. Materials Characterization, 2020, 167, 110467.	1.9	5
25	The effect of oil extraction on porosity and methane adsorption for dry and moisture-equilibrated shales. Fuel, 2022, 316, 123304.	3.4	3
26	Surface Bespoke Mesoporous Silica for Carbon Dioxide Adsorption. Journal of Environmental Engineering, ASCE, 2014, 140, 04014031.	0.7	0
27	Bed Height of Zeolite Affected CO <sub>2</sub> Hydrate Formation Using High Pressure Volumetric Analyzer. Asian Journal of Chemistry, 2018, 30, 2269-2272.	0.1	0