Chaehoon Kim

List of Publications by Year
in descending order

10 papers	699 citations	932766 10 h-index	1372195 10 g-index
10 all docs	10 docs citations	10 times ranked	732 citing authors

#	Article	IF	Citations
1	Structural effects of amine polymers on stability and energy efficiency of adsorbents in post-combustion CO2capture. Chemical Engineering Journal, 2021, 408, 127289.	6.6	46
2	Relationship between zeolite structure and capture capability for radioactive cesium and strontium. Journal of Hazardous Materials, 2021, 408, 124419.	6.5	36
3	Controlled Synthesis of Metalâ€“Organic Frameworks in Scalable Open-Porous Contactor for Maximizing Carbon Capture Efficiency. Jacs Au, 2021, 1, 1198-1207.	3.6	23
4	SO₂-Resistant Amine-Containing CO₂ Adsorbent with a Surface Protection Layer. ACS Applied Materials & Interfaces, 2019, 11, 16586-16593.	4.0	28
5	Oxidation-stable amine-containing adsorbents for carbon dioxide capture. Nature Communications, 2018, 9, 726.	5.8	137
6	Thermal Stability Enhanced Tetraethylenepentamine/Silica Adsorbents for High Performance CO2 Capture. Industrial & Engineering Chemistry Research, 2018, 57, 4632-4639.	1.8	46
7	Epoxide-Functionalized, Poly(ethylenimine)-Confined Silica/Polymer Module Affording Sustainable CO₂ Capture in Rapid Thermal Swing Adsorption. Industrial & Engineering Chemistry Research, 2018, 57, 13923-13931.	1.8	11
8	Rational Design of the Polymeric Amines in Solid Adsorbents for Postcombustion Carbon Dioxide Capture. ACS Applied Materials & Interfaces, 2018, 10, 23825-23833.	4.0	41
9	Epoxide-functionalization of polyethyleneimine for synthesis of stable carbon dioxide adsorbent in temperature swing adsorption. Nature Communications, 2016, 7, 12640.	5.8	215
10	An ethylenediamine-grafted Y zeolite: a highly regenerable carbon dioxide adsorbent via temperature swing adsorption without urea formation. Energy and Environmental Science, 2016, 9, 1803-1811.	15.6	116