

# Chaehoon Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11112383/publications.pdf>

Version: 2024-02-01

10  
papers

699  
citations

933264

10  
h-index

1372474

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

732  
citing authors

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