Jung Hyun Lee

List of Publications by Year
in descending order

19 papers	509 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	786 citing authors

#	Article	IF	Citations
1	Assessment of Membrane Performance for Post-Combustion CO₂ Capture. Industrial & Engineering Chemistry Research, 2022, 61, 777-785.	3.7	1
2	Effect of temperature on separation performance in ionic liquid/Ag nanocomposite membranes for olefin/paraffin mixtures. Journal of Industrial and Engineering Chemistry, 2019, 74, 103-107.	5.8	7
3	Wet CO 2 /N 2 permeation through a crosslinked thermally rearranged poly(benzoxazole- co -imide) (XTR-PBOI) hollow fiber membrane module for CO 2 capture. Journal of Membrane Science, 2017, 539, 412-420.	8.2	38
4	Membrane separation process for CO2 capture from mixed gases using TR and XTR hollow fiber membranes: Process modeling and experiments. Journal of Membrane Science, 2017, 541, 224-234.	8.2	39
5	Origin of high open-circuit voltage in solid state dye-sensitized solar cells employing polymer electrolyte. Nano Energy, 2016, 28, 455-461.	16.0	24
6	Strategies for the simulation of multi-component hollow fibre multi-stage membrane gas separation systems. Journal of Membrane Science, 2016, 497, 458-471.	8.2	25
7	Doubly extended catalytic surface formed by electrodeposition in solid state dye-sensitized solar cells employing polymer electrolyte. Macromolecular Research, 2015, 23, 705-708.	2.4	2
8	Chemical stability of olefin carrier based on silver cations and metallic silver nanoparticles against the formation of silver acetylide for facilitated transport membranes. Journal of Membrane Science, 2014, 463, 11-16.	8.2	9
9	Toward Higher Energy Conversion Efficiency for Solid Polymer Electrolyte Dye-Sensitized Solar Cells: Ionic Conductivity and TiO₂ Pore-Filling. Journal of Physical Chemistry Letters, 2014, 5, 1249-1258.	4.6	68
10	Chemical Effects of Tin Oxide Nanoparticles in Polymer Electrolytes-Based Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 16510-16517.	3.1	56
11	Densely Packed Siloxane Barrier for Blocking Electron Recombination in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 12422-12428.	8.0	8
12	A strong linear correlation between the surface charge density on Ag nanoparticles and the amount of propylene adsorbed. Journal of Materials Chemistry A, 2014, 2, 6987.	10.3	6
13	Synthesis of Poly(vinyl chloride)-g-Poly(ionic liquid) and Its Application to Tuning Surface for Copper Nanoparticles. Industrial & Engineering Chemistry Research, 2013, 52, 9607-9611.	3.7	7
14	Successful demonstration of an efficient Iâ¯/(SeCN)2redox mediator for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2012, 14, 469-472.	2.8	22
15	Facilitated olefin transport through room temperature ionic liquids for separation of olefin/paraffin mixtures. Journal of Membrane Science, 2012, 423-424, 159-164.	8.2	29
16	Facilitated CO2 transport membranes utilizing positively polarized copper nanoparticles. Chemical Communications, 2012, 48, 5298.	4.1	61
17	Surface Energyâ€Ł evel Tuning of Silver Nanoparticles for Facilitated Olefin Transport. Angewandte Chemie - International Edition, 2011, 50, 2982-2985.	13.8	50
18	Behavior of Inorganic Nanoparticles in Silver Polymer Electrolytes and Their Effects on Silver Ion Activity for Facilitated Olefin Transport. Industrial & Engineering Chemistry Research, 2009, 48, 8650-8654.	3.7	11

#	Article	IF	Citations
19	Proton conducting crosslinked membranes by polymer blending of triblock copolymer and poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Ove	2.4	22