

Jung Hyun Lee

List of Publications by Year in descending order

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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	Toward Higher Energy Conversion Efficiency for Solid Polymer Electrolyte Dye-Sensitized Solar Cells: Ionic Conductivity and TiO ₂ Pore-Filling. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1249-1258.	4.6	68
2	Facilitated CO ₂ transport membranes utilizing positively polarized copper nanoparticles. <i>Chemical Communications</i> , 2012, 48, 5298.	4.1	61
3	Chemical Effects of Tin Oxide Nanoparticles in Polymer Electrolytes-Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16510-16517.	3.1	56
4	Surface Energy Level Tuning of Silver Nanoparticles for Facilitated Olefin Transport. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2982-2985.	13.8	50
5	Membrane separation process for CO ₂ capture from mixed gases using TR and XTR hollow fiber membranes: Process modeling and experiments. <i>Journal of Membrane Science</i> , 2017, 541, 224-234.	8.2	39
6	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. <i>Journal of Membrane Science</i> , 2017, 539, 412-420.	8.2	38
7	Facilitated olefin transport through room temperature ionic liquids for separation of olefin/paraffin mixtures. <i>Journal of Membrane Science</i> , 2012, 423-424, 159-164.	8.2	29
8	Strategies for the simulation of multi-component hollow fibre multi-stage membrane gas separation systems. <i>Journal of Membrane Science</i> , 2016, 497, 458-471.	8.2	25
9	Origin of high open-circuit voltage in solid state dye-sensitized solar cells employing polymer electrolyte. <i>Nano Energy</i> , 2016, 28, 455-461.	16.0	24
10	Proton conducting crosslinked membranes by polymer blending of triblock copolymer and poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.4	22
11	Successful demonstration of an efficient I ³⁺ /I ²⁺ (SeCN) ₂ redox mediator for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 469-472.	2.8	22
12	Behavior of Inorganic Nanoparticles in Silver Polymer Electrolytes and Their Effects on Silver Ion Activity for Facilitated Olefin Transport. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8650-8654.	3.7	11
13	Chemical stability of olefin carrier based on silver cations and metallic silver nanoparticles against the formation of silver acetylide for facilitated transport membranes. <i>Journal of Membrane Science</i> , 2014, 463, 11-16.	8.2	9
14	Densely Packed Siloxane Barrier for Blocking Electron Recombination in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12422-12428.	8.0	8
15	Synthesis of Poly(vinyl chloride)- <i>g</i> -Poly(ionic liquid) and Its Application to Tuning Surface for Copper Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9607-9611.	3.7	7
16	Effect of temperature on separation performance in ionic liquid/Ag nanocomposite membranes for olefin/paraffin mixtures. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 103-107.	5.8	7
17	A strong linear correlation between the surface charge density on Ag nanoparticles and the amount of propylene adsorbed. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6987.	10.3	6
18	Doubly extended catalytic surface formed by electrodeposition in solid state dye-sensitized solar cells employing polymer electrolyte. <i>Macromolecular Research</i> , 2015, 23, 705-708.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Assessment of Membrane Performance for Post-Combustion CO ₂ Capture. Industrial & Engineering Chemistry Research, 2022, 61, 777-785.	3.7	1