

# Jae W Lee

## List of Publications by Citations

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307  
papers

10,033  
citations

50  
h-index

89  
g-index

328  
ext. papers

11,726  
ext. citations

5.4  
avg, IF

6.75  
L-index

#	Paper	IF	Citations
307	Intrapulmonary delivery of bone marrow-derived mesenchymal stem cells improves survival and attenuates endotoxin-induced acute lung injury in mice. <i>Journal of Immunology</i> , <b>2007</b> , 179, 1855-63	5.3	722
306	Allogeneic human mesenchymal stem cells for treatment of E. coli endotoxin-induced acute lung injury in the ex vivo perfused human lung. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 16357-62	11.5	562
305	Human mesenchymal stem cell microvesicles for treatment of Escherichia coli endotoxin-induced acute lung injury in mice. <i>Stem Cells</i> , <b>2014</b> , 32, 116-25	5.8	438
304	Concise review: Mesenchymal stem cells for acute lung injury: role of paracrine soluble factors. <i>Stem Cells</i> , <b>2011</b> , 29, 913-9	5.8	298
303	Therapeutic Effects of Human Mesenchymal Stem Cell-derived Microvesicles in Severe Pneumonia in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 324-36	10.2	288
302	Therapeutic effects of human mesenchymal stem cells in ex vivo human lungs injured with live bacteria. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 751-60	10.2	249
301	Kinetics of Methane Hydrate Formation from SDS Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 6353-6359	3.9	200
300	Allogeneic human mesenchymal stem cells restore epithelial protein permeability in cultured human alveolar type II cells by secretion of angiopoietin-1. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 26211-22	5.4	199
299	Nitrous oxide (N <sub>2</sub> O) emission from aquaculture: a review. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 6470-80	10.3	158
298	Lithium-ion capacitors with 2D Nb <sub>2</sub> CTx (MXene) [carbon nanotube electrodes. <i>Journal of Power Sources</i> , <b>2016</b> , 326, 686-694	8.9	138
297	Mesenchymal stem cells for acute lung injury: preclinical evidence. <i>Critical Care Medicine</i> , <b>2010</b> , 38, S569-73	7.4	129
296	Human mesenchymal stromal cells reduce influenza A H5N1-associated acute lung injury in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 3621-6	11.5	123
295	Equilibrium of Hydrogen + Cyclopentane and Carbon Dioxide + Cyclopentane Binary Hydrates□ <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 659-661	2.8	122
294	Thermodynamic analysis of hydrate-based pre-combustion capture of CO <sub>2</sub> . <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 4732-4736	4.4	121
293	Nitrogen transformations in aquaponic systems: A review. <i>Aquacultural Engineering</i> , <b>2017</b> , 76, 9-19	3	117
292	Mesenchymal stem cell derived secretome and extracellular vesicles for acute lung injury and other inflammatory lung diseases. <i>Expert Opinion on Biological Therapy</i> , <b>2016</b> , 16, 859-71	5.4	115
291	Effect of plant species on nitrogen recovery in aquaponics. <i>Bioresource Technology</i> , <b>2015</b> , 188, 92-8	11	114

290	Potential application of mesenchymal stem cells in acute lung injury. <i>Expert Opinion on Biological Therapy</i> , <b>2009</b> , 9, 1259-70	5.4	113
289	Human mesenchymal stem cells reduce the severity of acute lung injury in a sheep model of bacterial pneumonia. <i>Thorax</i> , <b>2014</b> , 69, 819-25	7.3	109
288	Human Mesenchymal Stem (Stromal) Cells Promote the Resolution of Acute Lung Injury in Part through Lipoxin A4. <i>Journal of Immunology</i> , <b>2015</b> , 195, 875-81	5.3	104
287	Cell-based therapy for acute organ injury: preclinical evidence and ongoing clinical trials using mesenchymal stem cells. <i>Anesthesiology</i> , <b>2014</b> , 121, 1099-121	4.3	101
286	Physiological and biochemical markers of alveolar epithelial barrier dysfunction in perfused human lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2007</b> , 293, L52-9	5.8	94
285	In-situ transesterification of wet spent coffee grounds for sustainable biodiesel production. <i>Bioresource Technology</i> , <b>2016</b> , 221, 55-60	11	94
284	Concurrent extraction and reaction for the production of biodiesel from wet microalgae. <i>Bioresource Technology</i> , <b>2014</b> , 152, 534-7	11	92
283	Nanostructured potassium copper hexacyanoferrate-cellulose hydrogel for selective and rapid cesium adsorption. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 1042-1050	14.7	84
282	Syngas production on a Ni-enhanced Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> oxygen carrier via chemical looping partial oxidation with dry reforming of methane. <i>Applied Energy</i> , <b>2018</b> , 211, 174-186	10.7	82
281	Effects of global financial crisis on network structure in a local stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2014</b> , 407, 135-143	3.3	79
280	In situ transesterification of highly wet microalgae using hydrochloric acid. <i>Bioresource Technology</i> , <b>2015</b> , 185, 421-5	11	74
279	Surfactant Effects on Hydrate Crystallization at the Water/Oil Interface: Hollow-Conical Crystals. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 3817-3824	3.5	73
278	Adsorption of Sodium Dodecyl Sulfate at THF Hydrate/Liquid Interface. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 12381-12385	3.8	73
277	Phase transition of Fe <sub>2</sub> O <sub>3</sub> /NiO to NiFe <sub>2</sub> O <sub>4</sub> in perovskite catalytic particles for enhanced methane chemical looping reforming-decomposition with CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 202, 175-183	21.8	72
276	Facile Synthesis of Highly Electrocapacitive Nitrogen-Doped Graphitic Porous Carbons. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 9357-9367	3.8	71
275	Does SDS micellize under methane hydrate-forming conditions below the normal Krafft point?. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 315, 313-8	9.3	71
274	Adsorption of Cationic and Anionic Surfactants on Cyclopentane Hydrates. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13385-13389	3.8	70
273	Acute lung injury edema fluid decreases net fluid transport across human alveolar epithelial type II cells. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 24109-19	5.4	69

272	Enhanced Kinetics of CO <sub>2</sub> Hydrate Formation under Static Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 5934-5942	3.9	63
271	Highly porous N-doped carbons impregnated with sodium for efficient CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10919-10927	13	62
270	Salt effects on thermodynamic and rheological properties of hydrate forming emulsions. <i>Chemical Engineering Science</i> , <b>2013</b> , 95, 148-160	4.4	62
269	Concurrent production of biodiesel and chemicals through wet in situ transesterification of microalgae. <i>Bioresource Technology</i> , <b>2015</b> , 193, 386-92	11	59
268	Facile nano-templated CO <sub>2</sub> conversion into highly interconnected hierarchical porous carbon for high-performance supercapacitor electrodes. <i>Carbon</i> , <b>2018</b> , 126, 215-224	10.4	58
267	Influence of carbohydrate addition on nitrogen transformations and greenhouse gas emissions of intensive aquaculture system. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 193-200	10.2	56
266	Wet in situ transesterification of microalgae using ethyl acetate as a co-solvent and reactant. <i>Bioresource Technology</i> , <b>2017</b> , 230, 8-14	11	55
265	Correlation and network topologies in global and local stock indices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2014</b> , 378, 2482-2489	2.3	55
264	Enhanced methane decomposition over nickel-carbon-B <sub>2</sub> O <sub>3</sub> core-shell catalysts derived from carbon dioxide. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 186, 41-55	21.8	53
263	Molybdenum oxide/carbon composites derived from the CO <sub>2</sub> oxidation of Mo <sub>2</sub> C <sub>T</sub> x (MXene) for lithium ion battery anodes. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 979-987	6.7	53
262	Rheology of hydrate forming emulsions. <i>Langmuir</i> , <b>2010</b> , 26, 11699-704	4	53
261	Enhanced methane hydrate formation with cyclopentane hydrate seeds. <i>Applied Energy</i> , <b>2017</b> , 202, 32-41	10.7	52
260	Mesenchymal Stem Cell-Derived Extracellular Vesicles Decrease Lung Injury in Mice. <i>Journal of Immunology</i> , <b>2019</b> , 203, 1961-1972	5.3	52
259	Highly effective Cs removal by turbidity-free potassium copper hexacyanoferrate-immobilized magnetic hydrogels. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 340, 130-139	12.8	52
258	Graphical methods for reaction distribution in a reactive distillation column. <i>AIChE Journal</i> , <b>2000</b> , 46, 1218-1233	3.6	51
257	Calorimetric investigation of cyclopentane hydrate formation in an emulsion. <i>Chemical Engineering Science</i> , <b>2012</b> , 68, 481-491	4.4	48
256	Chemical looping partial oxidation of methane with CO <sub>2</sub> utilization on the ceria-enhanced mesoporous Fe <sub>2</sub> O <sub>3</sub> oxygen carrier. <i>Fuel</i> , <b>2018</b> , 215, 787-798	7.1	47
255	Organically modified clay with potassium copper hexacyanoferrate for enhanced Cs <sup>+</sup> adsorption capacity and selective recovery by flotation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15130-15143	13	47

254	Adsorption of surfactants on two different hydrates. <i>Langmuir</i> , <b>2008</b> , 24, 12723-6	4	47
253	Methane Hydrate Equilibrium and Formation Kinetics in the Presence of an Anionic Surfactant. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4734-4739	3.8	47
252	Production of boron-doped porous carbon by the reaction of carbon dioxide with sodium borohydride at atmospheric pressure. <i>Carbon</i> , <b>2013</b> , 53, 216-221	10.4	46
251	Competitive adsorption between SDS and carbonate on tetrahydrofuran hydrates. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 341, 286-8	9.3	46
250	Simplifying biodiesel production from microalgae via wet in situ transesterification: A review in current research and future prospects. <i>Algal Research</i> , <b>2019</b> , 41, 101557	5	45
249	Wet in situ transesterification of spent coffee grounds with supercritical methanol for the production of biodiesel. <i>Bioresource Technology</i> , <b>2018</b> , 259, 465-468	11	45
248	Low-frequency noise in junctionless multigate transistors. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 133502	3.4	45
247	Investigation of macroscopic interfacial dynamics between clathrate hydrates and surfactant solutions. <i>Langmuir</i> , <b>2010</b> , 26, 18119-24	4	45
246	CO-Oxidized TiCT-MXenes Components for Lithium-Sulfur Batteries: Suppressing the Shuttle Phenomenon through Physical and Chemical Adsorption. <i>ACS Nano</i> , <b>2020</b> , 14, 9744-9754	16.7	44
245	Regulated gene expression in cultured type II cells of adult human lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2010</b> , 299, L36-50	5.8	43
244	Adsorption of Kinetic Inhibitors on Clathrate Hydrates. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 17418-17420	3.8	43
243	Graphene Oxide/Carbon Nanotube Bilayer Flexible Membrane for High-Performance LiS Batteries with Superior Physical and Electrochemical Properties. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1801992	4.6	42
242	Effect of hydrogenation on performance of TiO <sub>2</sub> (B) nanowire for lithium ion capacitors. <i>Electrochemistry Communications</i> , <b>2015</b> , 60, 199-203	5.1	41
241	Nitrogen transformations in intensive aquaculture system and its implication to climate change through nitrous oxide emission. <i>Bioresource Technology</i> , <b>2013</b> , 130, 314-20	11	41
240	Multifractal behavior of the Korean stock-market index KOSPI. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 364, 355-361	3.3	41
239	Enhanced catalytic activity of methane dry reforming by the confinement of Ni nanoparticles into mesoporous silica. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 11270-11282	6.7	39
238	CO <sub>2</sub> -Enhanced Thermolytic H <sub>2</sub> Release from Ammonia Borane. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 8386-8392	3.8	39
237	Selective separation of cesium contaminated clays from pristine clays by flotation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 797-804	14.7	38

236	Thermal Decomposition and Spectroscopic Studies of Preheated Ammonia Borane. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 19529-19534	3.8	38
235	Graphical design applied to MTBE and methyl acetate reactive distillation processes. <i>AIChE Journal</i> , <b>2001</b> , 47, 1333-1345	3.6	38
234	Rheology of cyclopentane hydrate slurry in a model oil-continuous emulsion. <i>Rheologica Acta</i> , <b>2016</b> , 55, 235-243	2.3	36
233	Boron-doped carbon-iron nanocomposites as efficient oxygen reduction electrocatalysts derived from carbon dioxide. <i>Chemical Communications</i> , <b>2014</b> , 50, 6349-52	5.8	36
232	Investigations of surfactant effects on gas hydrate formation via infrared spectroscopy. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 376, 173-6	9.3	36
231	Direct measurements of contact force between clathrate hydrates and water. <i>Langmuir</i> , <b>2010</b> , 26, 9187-90	4.0	36
230	Probability distribution function and multiscaling properties in the Korean stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2007</b> , 383, 65-70	3.3	36
229	Effects of temperature on nitrous oxide (N <sub>2</sub> O) emission from intensive aquaculture system. <i>Science of the Total Environment</i> , <b>2015</b> , 518-519, 16-23	10.2	35
228	Quantitative temperature measurement of an electrically heated carbon nanotube using the null-point method. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 114901	1.7	35
227	Solvent-assisted synthesis of potassium copper hexacyanoferrate embedded 3D-interconnected porous hydrogel for highly selective and rapid cesium ion removal. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 975-986	6.8	32
226	Difference points in extractive and reactive cascades. II Generating design alternatives by the lever rule for reactive systems. <i>Chemical Engineering Science</i> , <b>2000</b> , 55, 3161-3174	4.4	31
225	Boron-doped electrocatalysts derived from carbon dioxide. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8665	13	30
224	Effect of boron-nitrogen bonding on oxygen reduction reaction activity of BN Co-doped activated porous carbons. <i>RSC Advances</i> , <b>2015</b> , 5, 24661-24669	3.7	29
223	Formation of Graphene Oxide Nanocomposites from Carbon Dioxide Using Ammonia Borane. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 2639-2644	3.8	29
222	An improved AFM cross-sectional method for piezoelectric nanostructures properties investigation: application to GaN nanowires. <i>Nanotechnology</i> , <b>2011</b> , 22, 105704	3.4	29
221	Solvo-thermal in situ transesterification of wet spent coffee grounds for the production of biodiesel. <i>Bioresource Technology</i> , <b>2018</b> , 249, 494-500	11	27
220	Supercapacitor Electrodes Derived from Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 735-740	8.3	27
219	Levulinic acid production from algal cell hydrolysis using in situ transesterification. <i>Algal Research</i> , <b>2017</b> , 26, 431-435	5	27

218	Synthesis of functionalized porous montmorillonite via solid-state NaOH treatment for efficient removal of cesium and strontium ions. <i>Applied Surface Science</i> , <b>2018</b> , 450, 404-412	6.7	26
217	Hydrophobic particle effects on hydrate crystal growth at the water-oil interface. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 261-7	4.5	26
216	Random matrix theory and cross-correlations in global financial indices and local stock market indices. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 569-574	0.6	26
215	Bio-Inspired Preparation of Clay-Hexacyanoferrate Composite Hydrogels as Super Adsorbents for Cs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33173-33185	9.5	25
214	Graphene intercalated free-standing carbon paper coated with MnO <sub>2</sub> for anode materials of lithium ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 348, 136310	6.7	25
213	Enhanced adsorption capacity and selectivity towards strontium ions in aqueous systems by sulfonation of CO <sub>2</sub> derived porous carbon. <i>RSC Advances</i> , <b>2017</b> , 7, 54546-54553	3.7	25
212	Macroscopic investigation of water volume effects on interfacial dynamic behaviors between clathrate hydrate and water. <i>Langmuir</i> , <b>2013</b> , 29, 5793-800	4	25
211	Low-frequency noise in strained SiGe core-shell nanowire p-channel field effect transistors. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 073505	3.4	24
210	Raman Spectroscopic Studies of Surfactant Effect on the Water Structure around Hydrate Guest Molecules. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 2676-2679	6.4	24
209	Circumventing an Azeotrope in Reactive Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 1061-1063	3.9	24
208	Excess Gibbs potential model for multicomponent hydrogen clathrates. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 26122-8	3.4	23
207	One-step formation of hydrogen clusters in clathrate hydrates stabilized via natural gas blending. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 655-661	19.4	23
206	A high-strength polyvinyl alcohol hydrogel membrane crosslinked by sulfosuccinic acid for strontium removal via filtration. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102824	6.8	22
205	Rheology of Hydrate-Forming Emulsions Stabilized by Surfactant and Hydrophobic Silica Nanoparticles. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 5877-5884	4.1	22
204	Analysis of charge sensitivity and low frequency noise limitation in silicon nanowire sensors. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 044501	2.5	22
203	Review of recent technologies for transforming carbon dioxide to carbon materials. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 130980	14.7	22
202	Effect of Composition on Dehydrogenation of Mesoporous Silica/Ammonia Borane Nanocomposites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 10024-10028	3.9	21
201	One-pot conversion of carbon dioxide to CNT-grafted graphene bifunctional for sulfur cathode and thin interlayer of LiS battery. <i>Electrochimica Acta</i> , <b>2020</b> , 330, 135264	6.7	21

200	Effects of boron oxidation state on electrocatalytic activity of carbons synthesized from CO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5843-5849	13	20
199	Catalyst-free production of alkyl esters from microalgae via combined wet in situ transesterification and hydrothermal liquefaction (iTHL). <i>Bioresource Technology</i> , <b>2017</b> , 244, 423-432	11	20
198	Feasible products in complex batch reactive distillation. <i>AIChE Journal</i> , <b>2006</b> , 52, 1790-1805	3.6	20
197	Effect of Hydrophobic Silica Nanoparticles on the Kinetics of Methane Hydrate Formation in Water-in-Oil Emulsions. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 523-530	4.1	20
196	Optimization of variables affecting the direct transesterification of wet biomass from <i>Nannochloropsis oceanica</i> using ionic liquid as a co-solvent. <i>Bioprocess and Biosystems Engineering</i> , <b>2015</b> , 38, 981-7	3.7	19
195	Inhibition effects of activated carbon particles on gas hydrate formation at oil/water interfaces. <i>RSC Advances</i> , <b>2015</b> , 5, 58813-58820	3.7	19
194	Enhancement of highly-concentrated hydrogen productivity in chemical looping steam methane reforming using Fe-substituted LaCoO <sub>3</sub> . <i>Energy Conversion and Management</i> , <b>2020</b> , 207, 112507	10.6	19
193	Feasible products in batch reactive distillation. <i>AIChE Journal</i> , <b>2003</b> , 49, 3161-3172	3.6	19
192	Role of transition metal in perovskites for enhancing selectivity of methane to syngas. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 20580-20590	6.7	19
191	On the Performance of Beam Division Nonorthogonal Multiple Access for FDD-Based Large-Scale Multi-User MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 5077-5089	9.6	18
190	In-situ boron and nitrogen doping in flue gas derived carbon materials for enhanced oxygen reduction reaction. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2017</b> , 20, 73-80	7.6	18
189	Amino-functionalized magnetic chitosan beads to enhance immobilization of potassium copper hexacyanoferrate for selective Cs removal and facile recovery.. <i>RSC Advances</i> , <b>2019</b> , 9, 1106-1114	3.7	18
188	State and Network Structures of Stock Markets Around the Global Financial Crisis. <i>Computational Economics</i> , <b>2018</b> , 51, 195-210	1.4	18
187	Equilibria of cyclopentane hydrates with varying HLB numbers of sorbitan monoesters in water-in-oil emulsions. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 413, 41-47	2.5	18
186	Electrocatalytic Activity of BN Codoped Graphene Oxide Derived from Carbon Dioxide. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24167-24173	3.8	18
185	Adsorption of Gemini surfactants onto clathrate hydrates. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 412, 1-6	9.3	18
184	Prediction of hydrogen hydrate equilibrium by integrating ab initio calculations with statistical thermodynamics. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 2332-7	3.4	18
183	Nitrogen-rich hierarchical porous carbon paper for a free-standing cathode of lithium sulfur battery. <i>Carbon</i> , <b>2021</b> , 172, 624-636	10.4	18



182	Effective removal of cesium from wastewater via adsorptive filtration with potassium copper hexacyanoferrate-immobilized and polyethyleneimine-grafted graphene oxide. <i>Chemosphere</i> , <b>2020</b> , 250, 126262	8.4	17
181	Anti-Adhesive Behaviors between Solid Hydrate and Liquid Aqueous Phase Induced by Hydrophobic Silica Nanoparticles. <i>Langmuir</i> , <b>2016</b> , 32, 9513-22	4	17
180	A non-catalytic, supercritical methanol route for effective deacidification of naphthenic acids. <i>Fuel</i> , <b>2016</b> , 182, 650-659	7.1	17
179	Inhibition Effect of Surfactants on CO <sub>2</sub> Enclathration with Cyclopentane in an Unstirred Batch Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 4703-4709	3.9	17
178	Solubility of Sodium Dodecyl Sulfate near Propane and Carbon Dioxide Hydrate-Forming Conditions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 2480-2483	2.8	17
177	Complex networks in a stock market. <i>Computer Physics Communications</i> , <b>2007</b> , 177, 186	4.2	17
176	Shortcut method for kinetically controlled reactive distillation systems. <i>AIChE Journal</i> , <b>2003</b> , 49, 1471-1487	3.8	17
175	Clathrate nanocage reactor for the decomposition of greenhouse gas. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 1629-1634	14.7	17
174	Cobalt oxide-porous carbon composite derived from CO <sub>2</sub> for the enhanced performance of lithium-ion battery. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2019</b> , 30, 28-37	7.6	17
173	Feasibility Studies on Quaternary Reactive Distillation Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2002</b> , 41, 4632-4642	3.9	16
172	Graphical Design of Integrated Reaction and Distillation in Dividing Wall Columns. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3175-3185	3.9	15
171	Transformation of carbon dioxide into carbon nanotubes for enhanced ion transport and energy storage. <i>Nanoscale</i> , <b>2020</b> , 12, 7822-7833	7.7	15
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