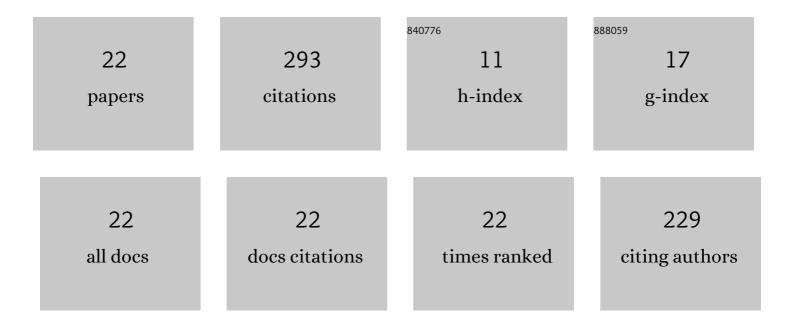
Dong Woo Kang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Exploring tuning phenomena of THF-H2 hydrates via molecular dynamics simulations. Journal of Molecular Liquids, 2022, 349, 118490.	4.9	13
2	Superabsorbent polymer for improved CO2 hydrate formation under a quiescent system. Journal of CO2 Utilization, 2022, 61, 102005.	6.8	9
3	Confined tetrahydrofuran in a superabsorbent polymer for sustainable methane storage in clathrate hydrates. Chemical Engineering Journal, 2021, 411, 128512.	12.7	28
4	Rapid Formation of Hydrogen-Enriched Hydrocarbon Gas Hydrates under Static Conditions. ACS Sustainable Chemistry and Engineering, 2021, 9, 8414-8424.	6.7	26
5	Fundamental role of Fe–N–C active sites in a CO ₂ -derived ultra-porous carbon electrode for inhibiting shuttle phenomena in Li–S batteries. Journal of Materials Chemistry A, 2021, 9, 23660-23674.	10.3	28
6	Fundamental reaction kinetics of high-pressure reductive amination of polyalkylene glycol. Journal of Industrial and Engineering Chemistry, 2021, 106, 317-317.	5.8	1
7	Hydrate seeding effect on the metastability of CH4 hydrate. Korean Journal of Chemical Engineering, 2020, 37, 341-349.	2.7	13
8	Interpretation of Electrostatic Self-Potential Measurements Using Interface-Trapped Microspheres with Surface Heterogeneity. ACS Applied Polymer Materials, 2020, 2, 1304-1311.	4.4	6
9	Recoverable magnetic nanoparticles as hydrate inhibitors. Chemical Engineering Journal, 2020, 389, 124461.	12.7	23
10	Molecular Dynamics Simulations of Hydrophobic Nanoparticle Effects on Gas Hydrate Formation. Journal of Physical Chemistry C, 2020, 124, 4162-4171.	3.1	29
11	Improved H ₂ utilization by Pd doping in cobalt catalysts for reductive amination of polypropylene glycol. RSC Advances, 2020, 10, 45159-45169.	3.6	6
12	Effects of Propylene Oxide End Capping on Amination of Polyalkylene Glycols. ACS Omega, 2020, 5, 26545-26550.	3.5	2
13	Mapping Anisotropic and Heterogeneous Colloidal Interactions via Optical Laser Tweezers. Journal of Physical Chemistry Letters, 2019, 10, 1691-1697.	4.6	15
14	Direct measurement of electrostatic interactions between poly(methyl methacrylate) microspheres with optical laser tweezers. Soft Matter, 2019, 15, 8051-8058.	2.7	7
15	Heterogeneous Capillary Interactions of Interface-Trapped Ellipsoid Particles Using the Trap-Release Method. Langmuir, 2018, 34, 384-394.	3.5	17
16	Highly efficient catalytic systems based on Pd-coated microbeads. Applied Surface Science, 2018, 429, 108-114.	6.1	5
17	Geometric Effects of Colloidal Particles on Stochastic Interface Adsorption. Langmuir, 2018, 34, 8839-8847.	3.5	12
18	Analytical calculations of optical trapping forces for drag calibration: Effects of mismatch between beam focus and particle center. Macromolecular Research, 2017, 25, 282-289.	2.4	6

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#	Article	lF	CITATIONS
19	Electrostatic interactions between particles through heterogeneous fluid phases. Soft Matter, 2017, 13, 6647-6658.	2.7	2
20	Heterogeneous interface adsorption of colloidal particles. Soft Matter, 2017, 13, 6234-6242.	2.7	21
21	Effect of Geometric and Chemical Anisotropy of Janus Ellipsoids on Janus Boundary Mismatch at the Fluid–Fluid Interface. Materials, 2016, 9, 664.	2.9	14
22	Orientation of carbon nanotubes in polypropylene melt. Polymer International, 2013, 62, 152-157.	3.1	10