

# Kee-Kahb Koo

## List of Publications by Year in descending order

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49  
papers

777  
citations

516710

16  
h-index

552781

26  
g-index

49  
all docs

49  
docs citations

49  
times ranked

844  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Zn( $\text{L-Met}$ ) <sub>2</sub> Chelate with Improved Flowability by Reactive Crystallization. <i>Crystal Growth and Design</i> , 2020, 20, 900-905.	3.0	2
2	Size control of azilsartan by drowning-out crystallization with phase transformation. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 716-723.	2.7	1
3	Effect of a polymer binder on the extraction and crystallization-based recovery of HMX from polymer-bonded explosives. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 79, 124-130.	5.8	10
4	Effect of a surface-active agent on nucleation kinetics in ultrasound-assisted crystallization of paracetamol. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 441-448.	5.8	6
5	Enhancement in Bulk Density of $\text{L-Methionine}$ Agglomerates by Cooling Crystallization with pH Control Using Additives. <i>Crystal Growth and Design</i> , 2019, 19, 3469-3476.	3.0	9
6	Crystallization of Azilsartan with Acidification of Azilsartan Disodium Salt. <i>Crystal Growth and Design</i> , 2019, 19, 1797-1804.	3.0	5
7	Formation of Spherical Agglomerates in Cooling Crystallization of Hexahydro-1,3,5-trinitro-1,3,5-triazine. <i>Chemical Engineering and Technology</i> , 2017, 40, 2197-2203.	1.5	3
8	Crystallization of glycine in water/saturated fatty acid emulsions. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2445-2450.	2.7	2
9	Preparation of the spherical nano-Fe <sub>2</sub> O <sub>3</sub> /NH <sub>4</sub> ClO <sub>4</sub> composites by reactive crystallization and their characterization. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 434-439.	5.8	12
10	Recent Progress and Novel Applications in Enzymatic Conversion of Carbon Dioxide. <i>Energies</i> , 2017, 10, 473.	3.1	53
11	Efficient White Organic Light Emitting Diodes Using New Blue Fluorescence Emitter Based on Vacuum and Solution Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4339-4342.	0.9	1
12	Molecular Modeling on the Role of Local Concentration in the Crystallization of $\text{L-Methionine}$ from Aqueous Solution. <i>Crystal Growth and Design</i> , 2016, 16, 3454-3464.	3.0	13
13	Production of the Spherical Nano-Al/AP Composites by Drowning-Out/Agglomeration and Their Solid-Reaction Kinetics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10227-10234.	3.7	13
14	Molecular Approach to the Effect of Interfacial Energy on Growth Habit of $\mu\text{-HNIW}$ . <i>Crystal Growth and Design</i> , 2016, 16, 6506-6513.	3.0	12
15	Design and modeling of optimal distillation sequence for recovery of valuable components from a waste photoresist stripper. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 366-376.	3.0	7
16	Molecular Modeling on Supersaturation-Dependent Growth Habit of 1,1-Diamino-2,2-dinitroethylene. <i>Crystal Growth and Design</i> , 2015, 15, 1833-1842.	3.0	28
17	Prediction of Growth Habit of $\text{1}^2\text{-Cyclotetramethylene-tetranitramine}$ Crystals by the First-Principles Models. <i>Crystal Growth and Design</i> , 2015, 15, 3983-3991.	3.0	28
18	Influence of emulsion types on nucleation kinetics and growth habit in the cooling crystallization. <i>Crystal Research and Technology</i> , 2014, 49, 753-760.	1.3	4

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19	Molecular Dynamics Simulation on Nucleation of Ammonium Perchlorate from an Aqueous Solution. <i>Crystal Growth and Design</i> , 2014, 14, 5897-5903.	3.0	18
20	Crystal Morphology Prediction of Hexahydro-1,3,5-trinitro-1,3,5-triazine by the Spiral Growth Model. <i>Crystal Growth and Design</i> , 2014, 14, 1802-1810.	3.0	49
21	Production of Submicrometer-Sized Hexahydro-1,3,5-trinitro-1,3,5-triazine by Drowning-Out. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 4739-4747.	3.7	10
22	Thermal behavior of Al/MoO <sub>3</sub> xerogel nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 189-193.	5.8	24
23	Influence of TiO <sub>2</sub> nanotube morphology and TiCl <sub>4</sub> treatment on the charge transfer in dye-sensitized solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 733-737.	2.3	10
24	Molecular interaction of solvent with crystal surfaces in the crystallization of ammonium sulfate. <i>Journal of Crystal Growth</i> , 2013, 373, 64-68.	1.5	13
25	Effect of Amphiphilic Additives on Nucleation of Hexahydro-1,3,5-trinitro-1,3,5-triazine. <i>Crystal Growth and Design</i> , 2013, 13, 4688-4694.	3.0	26
26	Evaluation of nucleation rate by in-situ focused beam reflectance measurement in an unseeded batch cooling crystallization. <i>Crystal Research and Technology</i> , 2013, 48, 1097-1105.	1.3	10
27	Recovery of 1-hydroxyethylpiperazine and Methyl Diglycol from a Waste Photoresist Stripper by Vacuum Distillation. <i>Journal of Korea Society of Waste Management</i> , 2013, 30, 520-528.	0.2	3
28	Crystallization of RDX by Drowning-Out Combined with Fines Dissolution and Cooling Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3758-3765.	3.7	25
29	Crystallization of Glycine by Drowning-Out Combined with Fines Dissolution and Cooling Process with in Situ Control using Focused Beam Reflectance Measurement and Attenuated Total Reflection-Fourier Transform Infrared Spectroscopy. <i>Crystal Growth and Design</i> , 2012, 12, 4927-4934.	3.0	10
30	Reaction characteristics of Al/Fe <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1768-1773.	5.8	33
31	Interfacial Effect of Water/Oleic Acid Emulsion on Polymorphic Selection in the Cooling Crystallization of Glycine. <i>Crystal Growth and Design</i> , 2012, 12, 4739-4744.	3.0	7
32	Application of Internal Seeding and Temperature Cycling for Reduction of Liquid Inclusion in the Crystallization of RDX. <i>Organic Process Research and Development</i> , 2011, 15, 602-609.	2.7	32
33	Evaporation Crystallization of RDX by Ultrasonic Spray. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 12186-12193.	3.7	35
34	Formation of 1-D ZnTe nanocrystals by aerosol-assisted spray pyrolysis. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1120-1125.	2.7	7
35	Solution-processed semitransparent p-n graphene oxide:CNT/ZnO heterojunction diodes for visible-blind UV sensors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 943-946.	1.8	21
36	Preparation of ADNBF with low-acidity by reactive crystallization. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 666-671.	2.7	6

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37	Recovery of iron as a form of ferrous acetate precipitates from low-grade magnetite ore. <i>Chemical Engineering Research and Design</i> , 2010, 88, 1467-1473.	5.6	15
38	Tunable visible emission and warm white photoluminescence of lithium-doped zinc oxide thin films. <i>Journal of Materials Science</i> , 2010, 45, 4111-4114.	3.7	7
39	Prediction of the Growth Habit of 7-Amino-4,6-dinitrobenzofuroxan Mediated by Cosolvents. <i>Crystal Growth and Design</i> , 2010, 10, 618-625.	3.0	31
40	Preparation of Spherical Ammonium Nitrate Particles by Melt Spray. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 12632-12637.	3.7	8
41	Synthesis of Colloidal ZnSe Nanospheres by Ultrasonic-Assisted Aerosol Spray Pyrolysis. <i>Crystal Growth and Design</i> , 2009, 9, 1153-1157.	3.0	32
42	Solubility of 1,1-Diamino-2,2-dinitroethylene in N,N-Dimethylformamide, Dimethyl Sulfoxide, and N-Methyl-2-pyrrolidone. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 3259-3260.	1.9	35
43	Characterization of Liquid Inclusion of RDX Crystals with a Cooling Crystallization. <i>Crystal Growth and Design</i> , 2009, 9, 2700-2706.	3.0	37
44	Characterization of a carbon composite electrode for an electrochemical immunosensor. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 548-552.	2.7	6
45	Effect of reaction temperatures and media on crystal structure of colloidal nanocrystals synthesized from an aerosol flow system. <i>Ultramicroscopy</i> , 2008, 108, 1278-1282.	1.9	9
46	Low temperature non-alkylphosphine based synthesis of cadmium selenide nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 211-215.	4.7	5
47	Fabrication of an electrochemical immunosensor with self-assembled peptide nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 95-99.	4.7	33
48	Agglomeration behavior of anhydrous L-ornithine-L-aspartate crystals during semi-batch drowning-out crystallization. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 819-826.	2.7	3
49	Surface Modification of a Self-Assembled Ferredoxin Monolayer on a Gold Substrate by CHAPS. <i>Langmuir</i> , 2003, 19, 8744-8748.	3.5	8