Hailin Zhang

List of Publications by Year
in descending order

13	417	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallization and Phase Transformations of Aluminum (Oxy)hydroxide Polymorphs in Caustic Aqueous Solution. Inorganic Chemistry, 2021, 60, 9820-9832.	4.0	15
2	Two-step route to size and shape controlled gibbsite nanoplates and the crystal growth mechanism. CrystEngComm, 2020, 22, 2555-2565.	2.6	10
3	Surface Hydration and Hydroxyl Configurations of Gibbsite and Boehmite Nanoplates. Journal of Physical Chemistry C, 2020, 124, 5275-5285.	3.1	21
4	Effect of Cr(III) Adsorption on the Dissolution of Boehmite Nanoparticles in Caustic Solution. Environmental Science & Technology, 2020, 54, 6375-6384.	10.0	8
5	The role of surface hydroxyls on the radiolysis of gibbsite and boehmite nanoplatelets. Journal of Hazardous Materials, 2020, 398, 122853.	12.4	18
6	Transformation of Gibbsite to Boehmite in Caustic Aqueous Solution at Hydrothermal Conditions. Crystal Growth and Design, 2019, 19, 5557-5567.	3.0	19
7	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. Environmental Science & Technology, 2019, 53, 11043-11055.	10.0	42
8	Potentially More Ecofriendly Chemical Pathway for Production of High-Purity TiO₂ from Titanium Slag. ACS Sustainable Chemistry and Engineering, 2019, 7, 4821-4830.	6.7	23
9	Size and Morphology Controlled Synthesis of Boehmite Nanoplates and Crystal Growth Mechanisms. Crystal Growth and Design, 2018, 18, 3596-3606.	3.0	82
10	Mitigation of the Surface Oxidation of Titanium by Hydrogen. Journal of Physical Chemistry C, 2018, 122, 20691-20700.	3.1	15
11	Solubility Investigations in the MgSO4â€“Al2(SO4)3â€“(NH4)2SO4â€“H2O Quaternary System at 40 and 80 Â°C. Journal of Chemical & Engineering Data, 2017, 62, 1302-1309.	1.9	8
12	Recovery of Lithium, Nickel, and Cobalt from Spent Lithium-Ion Battery Powders by Selective Ammonia Leaching and an Adsorption Separation System. ACS Sustainable Chemistry and Engineering, 2017, 5, 11489-11495.	6.7	118
13	The vanadate adsorption on a mesoporous boehmite and its cleaner production application of chromate. Green Chemistry, 2014, 16, 4214-4222.	9.0	38