

Xuchen Lu

List of Publications by Year in descending order

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32
papers

468
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758635

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32
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	A fast route for synthesizing nano-sized ZSM-5 aggregates. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20667-20675.	5.2	54
2	Organic template-free synthesis of ZSM-5 zeolite from coal-series kaolinite. <i>Materials Letters</i> , 2014, 115, 5-8.	1.3	49
3	Synthesis and crystallization kinetics of ZSM-5 without organic template from coal-series kaolinite. <i>Microporous and Mesoporous Materials</i> , 2014, 184, 134-140.	2.2	46
4	Direct synthesis of HZSM-5 from natural clay. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4058-4066.	5.2	40
5	Synthesis, characterization and crystallization mechanism of SAPOs from natural kaolinite. <i>Microporous and Mesoporous Materials</i> , 2010, 136, 138-147.	2.2	26
6	Synthesis of SAPO-34 from metakaolin: Crystallization mechanism of SAPO-34 and transformation processes of metakaolin. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 155-163.	2.2	26
7	Synthesis of large-mesoporous γ -Al ₂ O ₃ from coal-series kaolin at room temperature. <i>Materials Letters</i> , 2013, 91, 136-138.	1.3	25
8	Submicron ZSM-5 synthesized by green and fast route. <i>Materials Letters</i> , 2017, 196, 245-247.	1.3	24
9	The dehydration of MgCl ₂ ·6H ₂ O by inhibition of hydrolysis and conversion of hydrolysate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 138, 114-119.	2.6	21
10	Preparation of Anhydrous Magnesium Chloride from Magnesite. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9713-9718.	1.8	19
11	Preparation and characterization of urea-formaldehyde resin/reactive kaolinite composites. <i>Particuology</i> , 2016, 24, 203-209.	2.0	16
12	Triton X-100 directed synthesis of mesoporous γ -Al ₂ O ₃ from coal-series kaolin. <i>Applied Clay Science</i> , 2013, 85, 31-38.	2.6	13
13	Preparation and characterization of poly(methyl methacrylate)/reactive montmorillonite nanocomposites. <i>Polymer Composites</i> , 2016, 37, 2396-2403.	2.3	13
14	The dehydration of MgCl ₂ ·6H ₂ O in MgCl ₂ ·6H ₂ O-KCl-NH ₄ Cl system. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 248-253.	2.6	11
15	Preparation and characterization of urea-formaldehyde resin/reactive montmorillonite composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 783-790.	0.4	11
16	Preparation and characterization of mechanically and thermally enhanced polyimide/reactive halloysite nanotubes nanocomposites. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	10
17	Hydrothermal synthesis of flower-like ammonium illite constructed by nanosheets from coal series kaolin. <i>Materials Letters</i> , 2013, 96, 233-236.	1.3	9
18	Synthesis of SAPO-34 using metakaolin in the presence of β -cyclodextrin. <i>Journal of Energy Chemistry</i> , 2015, 24, 401-406.	7.1	8

#	ARTICLE	IF	CITATIONS
19	Synthesis of nano/micro scale ZSM-5 from kaolin and its catalytic performance. <i>Kinetics and Catalysis</i> , 2017, 58, 541-548.	0.3	8
20	Preparation of Anhydrous Magnesium Chloride from Magnesium Chloride Hexahydrate. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013, 44, 354-358.	1.0	7
21	Synthesis and Electrolysis of $K_3NaMgCl_6$. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1433-1438.	1.8	7
22	Preparation of Anhydrous Magnesium Chloride from Ammonium Carnallite. <i>Materials and Manufacturing Processes</i> , 2012, 28, 5-9.	2.7	6
23	Preparation process of magnesium alloys by complex salt dehydration-electrochemical codeposition. <i>Materials and Manufacturing Processes</i> , 2019, 34, 591-597.	2.7	4
24	Solubility of Magnesium Chloride Hexammoniate in Ethylene Glycol Solution Saturated by Ammonia Gas. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4827-4829.	1.0	3
25	The Conversion from Magnesium Hydroxychloride to Anhydrous Magnesium Chloride by Solid-State Reaction. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 773-778.	1.0	3
26	Determination and application of the reaction between REOCl (RE=Al, Y, Gd and Sm) and H ₂ O. <i>Chemical Papers</i> , 2020, 74, 3987-3993.	1.0	3
27	A Facile Approach for Syntheses of Nearly Monodisperse Nanocrystals: Sol-Solvothermal Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2496-2509.	0.9	2
28	Preparation of Mg-Nd Alloys by Magnesiothermic Reduction in Molten Salt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 617-626.	1.0	2
29	A novel pathway for the preparation of Mg metal from magnesia. <i>Journal of Magnesium and Alloys</i> , 2021, , .	5.5	1
30	Preparation of RE-containing magnesium alloys via molten-salt-mediated magnesiothermic reduction. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 981-990.	5.5	1
31	Improved performances of oxygen potentiometric sensor by electrochemical activation. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2523-2532.	1.2	0
32	Effect of reactive nanoclays on performances of PMMA/reactive nanoclay nanocomposites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 1193-1200.	0.4	0