

# Jun Qu

## List of Publications by Year in descending order

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34  
papers

786  
citations

535685

17  
h-index

563245

28  
g-index

34  
all docs

34  
docs citations

34  
times ranked

841  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance nickel/iron catalysts for oxygen evolution in pH-near-neutral borate electrolyte synthesized by mechanochemical approach. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162845.	2.8	7
2	Mechanochemically prepared Zn-Al LDH precursor for rare earth elements recovery. <i>Materials Chemistry and Physics</i> , 2022, 283, 126022.	2.0	2
3	Oleic acid as grinding aid and surface antioxidant for ultrafine zirconium hydride particle preparation. <i>Applied Surface Science</i> , 2021, 535, 147688.	3.1	4
4	Mechanochemical conversion of chrysotile asbestos tailing into struvite for full elements utilization as citric-acid soluble fertilizer. <i>Journal of Cleaner Production</i> , 2021, 283, 124637.	4.6	11
5	Effect of grinding aids and process parameters on dry fine grinding of polytetrafluoroethylene. <i>Powder Technology</i> , 2021, 386, 1-8.	2.1	4
6	Mechanochemical Activation of Phlogopite to Enhance its Capacity as Absorbent for the Removal of Heavy Metal Ions. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	5
7	As(III) removal from aqueous solution by katoite (Ca <sub>3</sub> Al <sub>2</sub> (OH) <sub>12</sub> ). <i>Chemosphere</i> , 2020, 260, 127555.	4.2	18
8	Mechanochemical approach to synthesize citric acid-soluble fertilizer of dittmarite (NH <sub>4</sub> <sup>+</sup> MgPO <sub>4</sub> ·H <sub>2</sub> O) from talc/NH <sub>4</sub> <sup>+</sup> H <sub>2</sub> PO <sub>4</sub> mixture. <i>RSC Advances</i> , 2020, 10, 17686-17693.	1.7	8
9	Leaching Process and Mechanism of Weathered Crust Elution-Deposited Rare Earth Ore. <i>Mining, Metallurgy and Exploration</i> , 2019, 36, 1021-1031.	0.4	8
10	Calcium chloride addition to overcome the barriers for synthesizing new Ca-Ti layered double hydroxide by mechanochemistry. <i>Applied Clay Science</i> , 2019, 173, 29-34.	2.6	12
11	Applications of Mechanochemically Prepared Layered Double Hydroxides as Adsorbents and Catalysts: A Mini-Review. <i>Nanomaterials</i> , 2019, 9, 80.	1.9	34
12	Mechanochemical transformation of apatite to phosphoric slow-release fertilizer and soluble phosphate. <i>Chemical Engineering Research and Design</i> , 2018, 114, 91-96.	2.7	20
13	Enhanced adsorption of potassium nitrate with potassium cation on H <sub>3</sub> PO <sub>4</sub> modified kaolinite and nitrate anion into Mg-Al layered double hydroxide. <i>Applied Clay Science</i> , 2018, 154, 10-16.	2.6	33
14	Adding ZnO and SiO <sub>2</sub> to scatter the agglomeration of mechanochemically prepared Zn-Al LDH precursor and promote its adsorption toward methyl orange. <i>Journal of Alloys and Compounds</i> , 2018, 763, 342-348.	2.8	25
15	Mechanochemical activation of phlogopite to directly produce slow-release potassium fertilizer. <i>Applied Clay Science</i> , 2018, 165, 77-81.	2.6	31
16	Enhanced phosphate removal from wastewater by using in situ generated fresh trivalent Fe composition through the interaction of Fe(II) on CaCO <sub>3</sub> . <i>Journal of Environmental Management</i> , 2018, 221, 38-44.	3.8	31
17	Separation of Cu(II) from Cd(II) in sulfate solution using CaCO <sub>3</sub> and FeSO <sub>4</sub> based on mechanochemical activation. <i>RSC Advances</i> , 2017, 7, 2002-2008.	1.7	13
18	Mechanochemical synthesis of Cu-Al and methyl orange intercalated Cu-Al layered double hydroxides. <i>Materials Chemistry and Physics</i> , 2017, 191, 173-180.	2.0	25

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19	Aluminous Minerals for Caustic Processing of Scheelite Concentrate. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 1908-1914.	1.0	1
20	Mechanochemical synthesis of ultrafine ZnS/Zn-Al layered double hydroxide heterojunction and their photocatalytic activities in dye degradation. Applied Clay Science, 2017, 144, 115-120.	2.6	69
21	A facile mechanochemical approach to synthesize Zn-Al layered double hydroxide. Journal of Solid State Chemistry, 2017, 250, 1-5.	1.4	26
22	Potassium fixation and the separation from sodium through the formation of K-alunite using activated aluminum hydroxide. Separation Science and Technology, 2017, 52, 1862-1868.	1.3	4
23	Precursor preparation of Zn-Al layered double hydroxide by ball milling for enhancing adsorption and photocatalytic decoloration of methyl orange. RSC Advances, 2017, 7, 31466-31474.	1.7	32
24	Mechanochemical synthesis of dodecyl sulfate anion (DS <sup>-</sup> ) intercalated Cu-Al layered double hydroxide. Solid State Sciences, 2017, 74, 125-130.	1.5	12
25	Precursor preparation for Ca-Al layered double hydroxide to remove hexavalent chromium coexisting with calcium and magnesium chlorides. Journal of Solid State Chemistry, 2017, 245, 200-206.	1.4	23
26	Synthesizing slow-release fertilizers via mechanochemical processing for potentially recycling the waste ferrous sulfate from titanium dioxide production. Journal of Environmental Management, 2017, 186, 120-126.	3.8	29
27	Decomposition pathways of polytetrafluoroethylene by co-grinding with strontium/calcium oxides. Environmental Technology (United Kingdom), 2017, 38, 1421-1427.	1.2	3
28	Mechano-Hydrothermal Synthesis of Tetraborate Pillared Li-Al Layered Double Hydroxides. Journal of the American Ceramic Society, 2016, 99, 1151-1154.	1.9	19
29	Effect of anion addition on the syntheses of Ca-Al layered double hydroxide via a two-step mechanochemical process. Applied Clay Science, 2016, 124-125, 267-270.	2.6	32
30	Simultaneous synthesis of ettringite and absorbate incorporation by aqueous agitation of a mechanochemically prepared precursor. RSC Advances, 2016, 6, 35203-35209.	1.7	13
31	Separation of copper from cobalt in sulphate solutions by using CaCO <sub>3</sub> . Separation Science and Technology, 2016, 51, 2772-2779.	1.3	10
32	Precursor Preparation to Promote the Adsorption of Mg-Al Layered Double Hydroxide. Journal of the American Ceramic Society, 2016, 99, 2882-2885.	1.9	23
33	Synthesis of Li-Al layered double hydroxides via a mechanochemical route. Applied Clay Science, 2016, 120, 24-27.	2.6	59
34	Mechanochemical approaches to synthesize layered double hydroxides: a review. Applied Clay Science, 2016, 119, 185-192.	2.6	140