

Qiwu Zhang

List of Publications by Citations

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138
papers

3,186
citations

32
h-index

48
g-index

140
ext. papers

3,728
ext. citations

6
avg, IF

5.68
L-index

#	Paper	IF	Citations
138	Destruction of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) by ball milling. <i>Environmental Science & Technology</i> , 2013 , 47, 6471-7	10.3	133
137	Mechanochemical approaches to synthesize layered double hydroxides: a review. <i>Applied Clay Science</i> , 2016 , 119, 185-192	5.2	111
136	Innovated application of mechanical activation to separate lead from scrap cathode ray tube funnel glass. <i>Environmental Science & Technology</i> , 2012 , 46, 4109-14	10.3	97
135	Preparation of meixnerite (MgAl(OH)) type layered double hydroxide by a mechanochemical route. <i>Journal of Materials Science</i> , 2007 , 42, 9210-9215	4.3	90
134	Mechanochemical synthesis of LaMnO ₃ from La ₂ O ₃ and Mn ₂ O ₃ powders. <i>Journal of Alloys and Compounds</i> , 2000 , 297, 99-103	5.7	84
133	Effects of quartz addition on the mechanochemical dechlorination of chlorobiphenyl by using CaO. <i>Environmental Science & Technology</i> , 2001 , 35, 4933-5	10.3	84
132	Co-grinding LiCoO ₂ with PVC and water leaching of metal chlorides formed in ground product. <i>International Journal of Mineral Processing</i> , 2004 , 74, S373-S378		83
131	A review on mechanochemical syntheses of functional materials. <i>Advanced Powder Technology</i> , 2012 , 23, 523-531	4.6	79
130	Synthesis of a Visible-Light Active TiO ₂ -x Photocatalyst by Means of Mechanochemical Doping. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1161-1163	3.8	76
129	Mechanochemical Dechlorination of Trichlorobenzene on Oxide Surfaces. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 11091-11097	3.4	68
128	Mechanochemical route for synthesizing nitrate form of layered double hydroxide. <i>Powder Technology</i> , 2008 , 185, 43-48	5.2	67
127	Mechanochemical Synthesis of Lanthanum Aluminate by Grinding Lanthanum Oxide with Transition Alumina. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 439-441	3.8	67
126	Efficient removal of copper from wastewater by using mechanically activated calcium carbonate. <i>Journal of Environmental Management</i> , 2017 , 203, 1-7	7.9	60
125	Enhancement of acid extraction of magnesium and silicon from serpentine by mechanochemical treatment. <i>Hydrometallurgy</i> , 1997 , 45, 323-331	4	58
124	Debromination of hexabromobenzene by its co-grinding with CaO. <i>Chemosphere</i> , 2002 , 48, 787-93	8.4	58
123	Radicals in the Mechanochemical Dechlorination of Hazardous Organochlorine Compounds Using CaO Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2001 , 74, 2303-2309	5.1	55
122	Mechanochemical synthesis of kaolin-H ₂ PO ₄ and kaolin-H ₄ H ₂ PO ₄ complexes for application as slow release fertilizer. <i>Powder Technology</i> , 2011 , 212, 354-358	5.2	54

121	Mechanochemical synthesis of ultrafine ZnS/Zn-Al layered double hydroxide heterojunction and their photocatalytic activities in dye degradation. <i>Applied Clay Science</i> , 2017 , 144, 115-120	5.2	51
120	Mechanochemical Synthesis of LaOX (X=Cl, Br) and Their Solid State Solutions. <i>Journal of Solid State Chemistry</i> , 2001 , 160, 469-473	3.3	51
119	Mechanochemical Sulfidization of Nonferrous Metal Oxides by Grinding with Sulfur and Iron. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 5813-5818	3.9	48
118	Synthesis of LiAl layered double hydroxides via a mechanochemical route. <i>Applied Clay Science</i> , 2016 , 120, 24-27	5.2	47
117	Dependence of mechanochemically induced decomposition of mono-chlorobiphenyl on the occurrence of radicals. <i>Chemosphere</i> , 2005 , 60, 939-43	8.4	47
116	Non-thermal process for extracting rare earths from bastnaesite by means of mechanochemical treatment. <i>Hydrometallurgy</i> , 1998 , 47, 231-241	4	45
115	Mechanochemical synthesis of novel heterostructured Bi ₂ S ₃ /Zn-Al layered double hydroxide nano-particles as efficient visible light reactive Z-scheme photocatalysts. <i>Applied Surface Science</i> , 2018 , 452, 123-133	6.7	44
114	Mechanochemical synthesis of La _{0.7} Sr _{0.3} MnO ₃ by grinding constituent oxides. <i>Journal of Alloys and Compounds</i> , 2000 , 308, 121-125	5.7	43
113	Mechanochemical Route for Synthesizing KMgPO ₄ and NH ₄ MgPO ₄ for Application as Slow-Release Fertilizers. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 2213-2216	3.9	35
112	Formation of active Fe(OH) ₃ in situ for enhancing arsenic removal from water by the oxidation of Fe(II) in air with the presence of CaCO ₃ . <i>Journal of Cleaner Production</i> , 2019 , 227, 1-9	10.3	34
111	Mechanochemical synthesis of CdS/MgAl LDH-precursor as improved visible-light driven photocatalyst for organic dye. <i>Applied Clay Science</i> , 2018 , 163, 265-272	5.2	34
110	One-step mechanochemical synthesis of plasmonic Ag/ZnAl LDH with excellent photocatalytic activity. <i>Journal of Materials Science</i> , 2018 , 53, 12795-12806	4.3	34
109	Mechanochemical decomposition of PVC by using La ₂ O ₃ as additive. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1226-30	12.8	33
108	Mechanochemical destruction of perfluorinated pollutants and mechanosynthesis of lanthanum oxyfluoride: A Waste-to-Materials process. <i>Chemical Engineering Journal</i> , 2017 , 316, 1078-1090	14.7	32
107	Mechanochemical sulfidization of lead oxides by grinding with sulfur. <i>Powder Technology</i> , 2012 , 230, 63-66	5.2	32
106	Mechanochemical pre-treatment for viable recycling of plastic waste containing haloorganics. <i>Waste Management</i> , 2018 , 75, 181-186	8.6	31
105	Mechanochemical destruction of decabromodiphenyl ether into visible light photocatalyst BiOBr. <i>RSC Advances</i> , 2014 , 4, 14719-14724	3.7	31
104	Mechanochemical solid-phase reaction between polyvinylidene fluoride and sodium hydroxide. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 2249-2252	2.9	30

103	Mechanochemical treatment of Cr(VI) contaminated soil using a sodium sulfide coupled solidification/stabilization process. <i>Chemosphere</i> , 2018 , 212, 540-547	8.4	30
102	Rapid Cr(VI) reduction and immobilization in contaminated soil by mechanochemical treatment with calcium polysulfide. <i>Chemosphere</i> , 2019 , 227, 657-661	8.4	29
101	Effect of anions species on copper removal from wastewater by using mechanically activated calcium carbonate. <i>Chemosphere</i> , 2019 , 230, 127-135	8.4	27
100	Precursor preparation of Zn/Al layered double hydroxide by ball milling for enhancing adsorption and photocatalytic decoloration of methyl orange. <i>RSC Advances</i> , 2017 , 7, 31466-31474	3.7	27
99	Enhanced visible light photocatalytic activity of the mechanochemically prepared nanosized Zn x Cd 1-x S/Zn-Al layered double hydroxide precursor heterojunctions. <i>Applied Clay Science</i> , 2018 , 151, 201-210	5.7	26
98	Effect of anion addition on the syntheses of Ca/Al layered double hydroxide via a two-step mechanochemical process. <i>Applied Clay Science</i> , 2016 , 124-125, 267-270	5.2	25
97	Mechanochemical synthesis of a Z-scheme Bi ₂ WO ₆ /CuBi ₂ O ₄ heterojunction and its visible-light photocatalytic degradation of ciprofloxacin. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 156291	5.7	24
96	Antibacterial activity of the sediment of copper removal from wastewater by using mechanically activated calcium carbonate. <i>Journal of Cleaner Production</i> , 2018 , 203, 1019-1027	10.3	23
95	Synthesizing slow-release fertilizers via mechanochemical processing for potentially recycling the waste ferrous sulfate from titanium dioxide production. <i>Journal of Environmental Management</i> , 2017 , 186, 120-126	7.9	23
94	Separation of copper from nickel in sulfate solutions by mechanochemical activation with CaCO ₃ . <i>Separation and Purification Technology</i> , 2017 , 172, 107-112	8.3	23
93	Mechanochemical processing of molybdenum and vanadium sulfides for metal recovery from spent catalysts wastes. <i>Waste Management</i> , 2017 , 60, 734-738	8.6	23
92	A facile mechanochemical approach to synthesize Zn-Al layered double hydroxide. <i>Journal of Solid State Chemistry</i> , 2017 , 250, 1-5	3.3	22
91	Mechanochemical activation of serpentine for recovering Cu (II) from wastewater. <i>Applied Clay Science</i> , 2017 , 149, 1-7	5.2	22
90	Mechanochemical formation of KBi ₂ Ca ₂ O compound as a slow-release fertilizer. <i>Powder Technology</i> , 2014 , 260, 22-26	5.2	22
89	Applications of Mechanochemically Prepared Layered Double Hydroxides as Adsorbents and Catalysts: A Mini-Review. <i>Nanomaterials</i> , 2019 , 9,	5.4	22
88	Enhanced arsenic removal from water and easy handling of the precipitate sludge by using FeSO ₄ with CaCO ₃ to Ca(OH) ₂ . <i>Chemosphere</i> , 2019 , 231, 134-139	8.4	21
87	Enhanced adsorption of potassium nitrate with potassium cation on H ₃ PO ₄ modified kaolinite and nitrate anion into Mg-Al layered double hydroxide. <i>Applied Clay Science</i> , 2018 , 154, 10-16	5.2	21
86	Mechanochemical Synthesis of Slow-Release Fertilizers through Incorporation of Alumina Composition into Potassium/Ammonium Phosphates. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 3070-3073	3.8	21

85	Efficient Pb removal through the formations of (basic) carbonate precipitates from different sources during wet stirred ball milling with CaCO. <i>Science of the Total Environment</i> , 2019 , 664, 53-59	10.2	20
84	Decomposition of Polytetrafluoroethylene by Grinding with Strontium Oxide. <i>Chemistry Letters</i> , 2001 , 30, 148-149	1.7	20
83	Activating CaCO to enhance lead removal from lead-zinc solution to serve as green technology for the purification of mine tailings. <i>Chemosphere</i> , 2020 , 249, 126227	8.4	19
82	Precursor Preparation to Promote the Adsorption of Mg-Al Layered Double Hydroxide. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2882-2885	3.8	19
81	The mechanisms of improved chalcopyrite leaching due to mechanical activation. <i>Hydrometallurgy</i> , 2017 , 173, 149-155	4	19
80	Hydrogen generation from polyethylene by milling and heating with Ca(OH) ₂ and Ni(OH) ₂ . <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4097-4103	6.7	19
79	Mechanical activation of zero-valent iron (ZVI) in the presence of CaCO ₃ : Improved reactivity of ZVI for enhancing As(III) removal from water. <i>Journal of Cleaner Production</i> , 2021 , 286, 124926	10.3	19
78	Precursor preparation for Ca-Al layered double hydroxide to remove hexavalent chromium coexisting with calcium and magnesium chlorides. <i>Journal of Solid State Chemistry</i> , 2017 , 245, 200-206	3.3	18
77	Generation of hydrogen from polyvinyl chloride by milling and heating with CaO and Ni(OH) ₂ . <i>Journal of Hazardous Materials</i> , 2009 , 167, 1002-6	12.8	18
76	Phenols removal from water by precursor preparation for Mg Al layered double hydroxide: Isotherm, kinetic and mechanism. <i>Materials Chemistry and Physics</i> , 2019 , 221, 108-117	4.4	18
75	Co-precipitation with CaCO to remove heavy metals and significantly reduce the moisture content of filter residue. <i>Chemosphere</i> , 2020 , 239, 124660	8.4	18
74	Mechanochemical synthesis of Cu-Al and methyl orange intercalated Cu-Al layered double hydroxides. <i>Materials Chemistry and Physics</i> , 2017 , 191, 173-180	4.4	17
73	Mechanochemical activation of phlogopite to directly produce slow-release potassium fertilizer. <i>Applied Clay Science</i> , 2018 , 165, 77-81	5.2	17
72	Enhanced phosphate removal from wastewater by using in situ generated fresh trivalent Fe composition through the interaction of Fe(II) on CaCO. <i>Journal of Environmental Management</i> , 2018 , 221, 38-44	7.9	16
71	Mechano-Hydrothermal Synthesis of Tetraborate Pillared Li-Al Layered Double Hydroxides. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1151-1154	3.8	16
70	Mechanochemical transformation of apatite to phosphoric slow-release fertilizer and soluble phosphate. <i>Chemical Engineering Research and Design</i> , 2018 , 114, 91-96	5.5	15
69	Mechanochemical activation of antigorite to provide active magnesium for precipitating cesium from the existences of potassium and sodium. <i>Applied Clay Science</i> , 2019 , 168, 223-229	5.2	15
68	Fabrication and Characterization of High-Quality Perovskite Films with Large Crystal Grains. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 720-726	6.4	14

67	Surface modification of basic copper carbonate by mechanochemical processing with sulfur and ammonium sulfate. <i>Advanced Powder Technology</i> , 2017 , 28, 1877-1881	4.6	14
66	Formation of active zero-valent iron by simple co-grinding with CaCO ₃ to protect fresh active surface for efficient removal of hexavalent chromium. <i>Applied Surface Science</i> , 2019 , 490, 81-88	6.7	14
65	Mechanochemical Syntheses of Oxygen-Rich Bismuth Oxychlorides Bi _x O _y Cl _z to Enhance Ciprofloxacin Degradation Under Visible Light Irradiation. <i>Catalysis Letters</i> , 2019 , 149, 2247-2255	2.8	14
64	Efficient As(III) removal directly as basic iron arsenite by in-situ generated Fe(III) hydroxide from ferrous sulfate on the surface of CaCO ₃ . <i>Applied Surface Science</i> , 2019 , 493, 569-576	6.7	14
63	Generation of hydrogen gas from polyethylene mechanically milled with Ni-doped layered double hydroxide. <i>Fuel Processing Technology</i> , 2009 , 90, 909-913	7.2	14
62	Adding ZnO and SiO ₂ 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	5.7	14
61	Separation of Cu(II) from Cd(II) in sulfate solution using CaCO ₃ and FeSO ₄ based on mechanochemical activation. <i>RSC Advances</i> , 2017 , 7, 2002-2008	3.7	13
60	Improvement in the floatability of CuO by dry grinding with sulphur. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 302, 494-497	5.1	13
59	In-situ mechanochemical fabrication of p-n Bi ₂ MoO ₆ /CuBi ₂ O ₄ heterojunctions with efficient visible light photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160681	5.7	13
58	Activating Bi ₂ O ₃ by ball milling to induce efficiently oxygen vacancy for incorporating iodide anions to form BiOI. <i>Chemical Physics</i> , 2020 , 533, 110739	2.3	12
57	Generation of high-purity hydrogen from cellulose by its mechanochemical treatment. <i>Bioresource Technology</i> , 2009 , 100, 3731-3	11	12
56	Mechanochemical synthesis of novel Pt modified ZnAl-LDH for effective ciprofloxacin photodegradation. <i>Journal of Solid State Chemistry</i> , 2020 , 290, 121594	3.3	12
55	Mechanochemical synthesis of BiSI and Bi ₁₉ S ₂₇ I ₃ semiconductor materials. <i>Advanced Powder Technology</i> , 2019 , 30, 1985-1988	4.6	11
54	Selective recovery of heavy metals from wastewater by mechanically activated calcium carbonate: Inspiration from nature. <i>Chemosphere</i> , 2020 , 246, 125842	8.4	11
53	Mechanochemical synthesis of dodecyl sulfate anion (DS ⁻) intercalated Cu-Al layered double hydroxide. <i>Solid State Sciences</i> , 2017 , 74, 125-130	3.4	11
52	Decomposition of Trichlorobenzene Isomers by Co-Grinding with CaO. <i>Bulletin of the Chemical Society of Japan</i> , 2003 , 76, 1919-1925	5.1	11
51	Simultaneous synthesis of ettringite and absorbate incorporation by aqueous agitation of a mechanochemically prepared precursor. <i>RSC Advances</i> , 2016 , 6, 35203-35209	3.7	11
50	Mechanochemical syntheses of bismuth oxybromides Bi _x O _y Br _z as visible-light responsive photocatalysts for the degradation of bisphenol A. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 458-462	3.3	10

49	Mechanochemical syntheses of a series of bismuth oxyhalide composites to progressively enhance the visible-light responsive activities for the degradation of bisphenol-A. <i>Materials Science in Semiconductor Processing</i> , 2020 , 105, 104733	4.3	10
48	Efficient removal of iron(II) from manganese sulfate solution by using mechanically activated CaCO ₃ . <i>Hydrometallurgy</i> , 2019 , 188, 169-173	4	9
47	Mechanochemical synthesis of FeSbO ₄ -based materials from FeOOH and Sb ₂ O ₅ powders. <i>Powder Technology</i> , 2008 , 181, 281-284	5.2	9
46	Use of posnjakite containing sludge as catalyst for decoloring dye via photo-Fenton-like process. <i>Journal of Cleaner Production</i> , 2021 , 293, 126184	10.3	9
45	Mechanochemically extracting tungsten through caustic processing of scheelite by controlling calcium dissolution. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 58, 211-215	4.1	9
44	Utilization of carbonate-based tailings to remove Pb(II) from wastewater through mechanical activation. <i>Science of the Total Environment</i> , 2020 , 698, 134270	10.2	9
43	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	5.2	8
42	A new approach for hydrogen generation from sewage sludge. <i>Bioresource Technology</i> , 2016 , 201, 191-411		8
41	High efficient coagulant simply by mechanochemically activating kaolinite with sulfuric acid to enhance removal efficiency of various pollutants for wastewater treatment. <i>Applied Clay Science</i> , 2019 , 180, 105187	5.2	8
40	Correlation between mechanochemical reactivity forming ABO ₄ -type complex oxides and the structures of product materials. <i>Powder Technology</i> , 2009 , 195, 40-43	5.2	8
39	Mechanochemical processing K ₂ CO ₃ /Cs ₂ CO ₃ -cellulose and kaolinite for the formation of water-insoluble Cs-compound. <i>Chemical Engineering Research and Design</i> , 2017 , 107, 480-485	5.5	7
38	Efficient separation of Zn(II) from Cd(II) in sulfate solution by mechanochemically activated serpentine. <i>Chemosphere</i> , 2020 , 258, 127275	8.4	7
37	Separation of copper from cobalt in sulphate solutions by using CaCO ₃ . <i>Separation Science and Technology</i> , 2016 , 51, 2772-2779	2.5	7
36	Mechanochemical immobilization of lead contaminated soil by ball milling with the additive of Ca(HPO ₃). <i>Chemosphere</i> , 2020 , 247, 125963	8.4	6
35	Removal of Cu(II) from wastewater by using mechanochemically activated carbonate-based tailings through chemical precipitation. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 35198-35207	5.1	6
34	Transforming Hematite into Magnetite Using Mechanochemical Approach as a Pretreatment of Oolitic Hematite. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2017 , 38, 24-29	3.1	6
33	A Novel Model of Aggregate Gradation for Autoclaved Bricks from Tailings. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 112	2.4	6
32	Efficient heterogeneous precipitation and separation of iron in copper-containing solution using dolomite. <i>Separation and Purification Technology</i> , 2020 , 248, 117021	8.3	5

31	Mechanochemical solid-phase reactions between alkaline earth metal sulfates and alkali metal hydroxides. <i>Advanced Powder Technology</i> , 1997 , 8, 129-136	4.6	5
30	Potassium fixation and the separation from sodium through the formation of K-alunite using activated aluminum hydroxide. <i>Separation Science and Technology</i> , 2017 , 52, 1862-1868	2.5	4
29	High-purity hydrogen gas production by catalytic thermal decomposition using mechanochemical treatment. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 17554-17562	6.7	4
28	Augmented hydrogen production by gasification of ball milled polyethylene with Ca(OH) ₂ and Ni(OH) ₂ . <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	4
27	Enhanced arsenic removal from water by mechanochemical synthesis of Ca-Al-Fe ternary composites. <i>Journal of Cleaner Production</i> , 2021 , 321, 128959	10.3	4
26	Effects of Mixed Surfactant on Enhancing High Concentration Anthracene and Pyrene Removal from Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	3
25	Decomposition pathways of polytetrafluoroethylene by co-grinding with strontium/calcium oxides. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 1421-1427	2.6	3
24	Mechanochemical leaching of Zn from low-grade smithsonite using Fe ₂ (SO ₄) ₃ solution. <i>Hydrometallurgy</i> , 2020 , 198, 105497	4	3
23	Phosphate removal from aqueous solution by electrochemical coupling siderite packed column. <i>Chemosphere</i> , 2021 , 280, 130805	8.4	3
22	Facile synthesis of CaMn _{1-x} Fe _x O ₃ to incorporate Fe(IV) at high ratio in perovskite structure for efficient in situ adsorption-oxidation of As(III). <i>Chemical Engineering Journal</i> , 2022 , 435, 134894	14.7	2
21	Mechanochemical Preparation of a HPO ₄ -Based Solid Catalyst for Heterogeneous Hydrolysis of Cellulose. <i>ACS Omega</i> , 2020 , 5, 29971-29977	3.9	2
20	Efficient separation of smithsonite and cerussite via mechanical ball milling-triggered selective leaching in the aqueous solution containing Pb chloride or Pb nitrate. <i>Hydrometallurgy</i> , 2021 , 202, 105589	4	2
19	Mechanochemically incorporating magnesium sulfate into antigorite to provide active nucleation sites for efficient precipitation of cadmium ions from weak acidic solution. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127272	12.8	2
18	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	2.6	2
17	Aluminous Minerals for Caustic Processing of Scheelite Concentrate. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017 , 48, 1908-1914	2.5	1
16	Cogrinding with alkaline metal salts to enhance the reactivity of silicate mineral to serve as silicon fertilizer. <i>Chemical Physics Letters</i> , 2020 , 747, 137347	2.5	1
15	Mechanochemical synthesis of bismuth-based anion exchange materials to immobilize arsenic pollution - Prospects for advanced treatment of anion-containing wastewater. <i>Journal of Cleaner Production</i> , 2022 , 340, 130747	10.3	1
14	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> , 2021 , 898, 162845	5.7	1

13	Effect of grinding aids and process parameters on dry fine grinding of polytetrafluoroethylene. <i>Powder Technology</i> , 2021 , 386, 1-8	5.2	1
12	Mechanically activated zero-valent silicon by coating silica to decolorize Acid Red 73 dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 626, 127020	5.1	1
11	Mechanochemical disproportionation reaction of sulfur on Bi ₂ O ₃ to synthesize Bi ₂ O ₂ S for simultaneous removals of Cu ²⁺ and Cl ⁻ from waste solution. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106096	6.8	1
10	Mechanochemical Preparation of Mineral Based Adsorbent and Its Effective Purification Ability for Wastewater. <i>KONA Powder and Particle Journal</i> , 2021 , 38, 155-167	3.4	1
9	Efficient removal of lead impurity for the purification and recycling of nickel from secondary sources based on ball-milling activated CaCO ₃ . <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106737	6.8	0
8	Mechanochemically synthesized Fe-Mn binary oxides for efficient As(III) removal: Insight into the origin of synergy action from mutual Fe and Mn doping. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127708	12.8	0
7	Mechanically activated calcium carbonate and zero-valent iron composites for one-step treatment of multiple pollutants.. <i>Environmental Science and Pollution Research</i> , 2022 , 29, 27421	5.1	0
6	Promoted removal of phosphate by layered double hydroxides combined with bacteria: Application of novel carriers in biofilm reactor.. <i>Bioresource Technology</i> , 2022 , 349, 126879	11	0
5	Enhanced removal of fluoride from water through precise regulation of active aluminum phase using CaCO ₃ .. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
4	Ion exchange to immobilize Cd(II) at neutral pH into silicate matrix prepared by co-grinding kaolinite with calcium compounds.. <i>Chemosphere</i> , 2022 , 134677	8.4	0
3	Struvite crystallization by using active serpentine: An innovative application for the economical and efficient recovery of phosphorus from black water. <i>Water Research</i> , 2022 , 118678	12.5	0
2	Mechanochemical Remediation of Fluoranthene Contaminated Soil and Biototoxicity Evaluation.. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-23	2.6	
1	Effect of Silica on Pyrene-Contaminated Soil Subjected to Mechanochemical Remediation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 18513-18518	3.9	