

# Hongping He

## List of Publications by Year in descending order

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245  
papers

14,420  
citations

16451

64  
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108  
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249  
all docs

249  
docs citations

249  
times ranked

11916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for enhancing the heterogeneous Fenton catalytic reactivity: A review. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117739.	20.2	687
2	Montmorillonite-supported magnetite nanoparticles for the removal of hexavalent chromium [Cr(VI)] from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2009, 166, 821-829.	12.4	446
3	Adsorbents based on montmorillonite for contaminant removal from water: A review. <i>Applied Clay Science</i> , 2016, 123, 239-258.	5.2	389
4	Removal of hexavalent chromium [Cr(VI)] from aqueous solutions by the diatomite-supported/unsupported magnetite nanoparticles. <i>Journal of Hazardous Materials</i> , 2010, 173, 614-621.	12.4	327
5	Structure of organoclays—An X-ray diffraction and thermogravimetric analysis study. <i>Journal of Colloid and Interface Science</i> , 2004, 277, 116-120.	9.4	303
6	Changes in the morphology of organoclays with HDTMA+ surfactant loading. <i>Applied Clay Science</i> , 2006, 31, 262-271.	5.2	285
7	Modification of the surfaces of Wyoming montmorillonite by the cationic surfactants alkyl trimethyl, dialkyl dimethyl, and trialkyl methyl ammonium bromides. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 150-158.	9.4	258
8	Modification of Wyoming Montmorillonite Surfaces Using a Cationic Surfactant. <i>Langmuir</i> , 2005, 21, 8675-8680.	3.5	251
9	Grafting of swelling clay materials with 3-aminopropyltriethoxysilane. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 171-176.	9.4	236
10	Organoclays prepared from montmorillonites with different cation exchange capacity and surfactant configuration. <i>Applied Clay Science</i> , 2010, 48, 67-72.	5.2	226
11	Adsorption of ammonium by different natural clay minerals: Characterization, kinetics and adsorption isotherms. <i>Applied Clay Science</i> , 2018, 159, 83-93.	5.2	218
12	Thermal characterization of surfactant-modified montmorillonites. <i>Clays and Clay Minerals</i> , 2005, 53, 287-293.	1.3	187
13	Superior adsorption of phosphate by ferrihydrite-coated and lanthanum-decorated magnetite. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 704-713.	9.4	185
14	Mechanisms for the enhanced photo-Fenton activity of ferrihydrite modified with BiVO <sub>4</sub> at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2017, 212, 50-58.	20.2	182
15	Functionalized layered double hydroxides for innovative applications. <i>Materials Horizons</i> , 2020, 7, 715-745.	12.2	171
16	Decolorization of methylene blue by heterogeneous Fenton reaction using Fe <sub>3</sub> ~xTi <sub>x</sub> O <sub>4</sub> (0~x~0.78) at neutral pH values. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 527-535.	20.2	170
17	Characterization of organic phases in the interlayer of montmorillonite using FTIR and <sup>13</sup> C NMR. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 239-244.	9.4	168
18	A combined study by XRD, FTIR, TG and HRTEM on the structure of delaminated Fe-intercalated/pillared clay. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 142-149.	9.4	167

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19	Heterogeneous UV/Fenton degradation of TBBPA catalyzed by titanomagnetite: Catalyst characterization, performance and degradation products. <i>Water Research</i> , 2012, 46, 4633-4644.	11.3	164
20	Changes in Structure, Morphology, Porosity, and Surface Activity of Mesoporous Halloysite Nanotubes Under Heating. <i>Clays and Clay Minerals</i> , 2012, 60, 561-573.	1.3	162
21	Gaseous Elemental Mercury Capture from Flue Gas Using Magnetic Nanosized (Fe <sub>3-x</sub> Mn <sub>x</sub> ) <sub>1-<i>f</i></sub> O <sub>4</sub> . <i>Environmental Science &amp; Technology</i> , 2011, 45, 1540-1546.	10.0	161
22	Heterogeneous photo-Fenton degradation of bisphenol A over Ag/AgCl/ferrihydrite catalysts under visible light. <i>Chemical Engineering Journal</i> , 2018, 346, 567-577.	12.7	157
23	CNTs/ferrihydrite as a highly efficient heterogeneous Fenton catalyst for the degradation of bisphenol A: The important role of CNTs in accelerating Fe(III)/Fe(II) cycling. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118891.	20.2	152
24	Microstructure of HDTMA <sup>+</sup> -modified montmorillonite and its influence on sorption characteristics. <i>Clays and Clay Minerals</i> , 2006, 54, 689-696.	1.3	149
25	Effect of Mn substitution on the promoted formaldehyde oxidation over spinel ferrite: Catalyst characterization, performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 476-484.	20.2	149
26	Synthesis of organoclays: A critical review and some unresolved issues. <i>Applied Clay Science</i> , 2014, 100, 22-28.	5.2	136
27	Quantification of crop residue burning in the field and its influence on ambient air quality in Suqian, China. <i>Atmospheric Environment</i> , 2008, 42, 1961-1969.	4.1	135
28	Quantitative characterization of the solid acidity of montmorillonite using combined FTIR and TPD based on the NH <sub>3</sub> adsorption system. <i>Applied Clay Science</i> , 2013, 80-81, 407-412.	5.2	134
29	Silylation of clay mineral surfaces. <i>Applied Clay Science</i> , 2013, 71, 15-20.	5.2	134
30	FTIR investigation of CTAB-Al <sup>3+</sup> montmorillonite complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1030-1036.	3.9	133
31	The constraints of transition metal substitutions (Ti, Cr, Mn, Co and Ni) in magnetite on its catalytic activity in heterogeneous Fenton and UV/Fenton reaction: From the perspective of hydroxyl radical generation. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 612-618.	20.2	130
32	Visible-light Ag/AgBr/ferrihydrite catalyst with enhanced heterogeneous photo-Fenton reactivity via electron transfer from Ag/AgBr to ferrihydrite. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 280-289.	20.2	123
33	Sorption of perfluorooctane sulfonate on organo-montmorillonites. <i>Chemosphere</i> , 2010, 78, 688-694.	8.2	119
34	Co-adsorption of phosphate and zinc(II) on the surface of ferrihydrite. <i>Chemosphere</i> , 2016, 144, 1148-1155.	8.2	118
35	Heterogeneous activation of Oxone by substituted magnetites Fe <sub>3-x</sub> M <sub>x</sub> O <sub>4</sub> (Cr, Mn, Co, Ni) for degradation of Acid Orange II at neutral pH. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 86-94.	4.8	114
36	Infrared spectroscopy of organoclays synthesized with the surfactant octadecyltrimethylammonium bromide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 515-525.	3.9	112

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37	Adsorption of phenol and Cu(II) onto cationic and zwitterionic surfactant modified montmorillonite in single and binary systems. <i>Chemical Engineering Journal</i> , 2016, 283, 880-888.	12.7	112
38	Elemental Mercury Capture from Flue Gas by Magnetic Mn-Fe Spinel: Effect of Chemical Heterogeneity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 9650-9656.	3.7	111
39	The application of chromium substituted magnetite as heterogeneous Fenton catalyst for the degradation of aqueous cationic and anionic dyes. <i>Chemical Engineering Journal</i> , 2012, 191, 177-184.	12.7	110
40	The decolorization of Acid Orange II in non-homogeneous Fenton reaction catalyzed by natural vanadium-titanium magnetite. <i>Journal of Hazardous Materials</i> , 2010, 181, 112-120.	12.4	109
41	Grafting of montmorillonite with different functional silanes via two different reaction systems. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 268-273.	9.4	106
42	Thermal stability of octadecyltrimethylammonium bromide modified montmorillonite organoclay. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 347-353.	9.4	105
43	Synthesis and characterization of delaminated iron-pillared clay with meso-microporous structure. <i>Microporous and Mesoporous Materials</i> , 2006, 88, 8-15.	4.4	104
44	Conformation of Surfactant Molecules in the Interlayer of Montmorillonite Studied by <sup>13</sup> C MAS NMR. <i>Clays and Clay Minerals</i> , 2004, 52, 350-356.	1.3	100
45	Infrared investigation of organo-montmorillonites prepared from different surfactants. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 122-129.	3.9	100
46	Adsorption of REEs on kaolinite and halloysite: A link to the REE distribution on clays in the weathering crust of granite. <i>Chemical Geology</i> , 2019, 525, 210-217.	3.3	100
47	A novel organoclay with antibacterial activity prepared from montmorillonite and Chlorhexidini Acetas. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 235-243.	9.4	98
48	The remarkable effect of vanadium doping on the adsorption and catalytic activity of magnetite in the decolorization of methylene blue. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 151-159.	20.2	98
49	The contribution of vanadium and titanium on improving methylene blue decolorization through heterogeneous UV-Fenton reaction catalyzed by their co-doped magnetite. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 247-254.	12.4	95
50	Microwave-Assisted Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29203-29212.	8.0	91
51	Changes in the surfaces of adsorbed para-nitrophenol on HDTMA organoclay—The XRD and TG study. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 50-55.	9.4	89
52	Effect of acid activation of palygorskite on their toluene adsorption behaviors. <i>Applied Clay Science</i> , 2018, 159, 60-67.	5.2	83
53	Influence of cationic surfactant removal on the thermal stability of organoclays. <i>Journal of Colloid and Interface Science</i> , 2006, 295, 202-208.	9.4	81
54	Understanding the role of natural clay minerals as effective adsorbents and alternative source of rare earth elements: Adsorption operative parameters. <i>Hydrometallurgy</i> , 2019, 185, 149-161.	4.3	76

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55	Molecular Simulation of the Interlayer Structure and the Mobility of Alkyl Chains in HDTMA+/Montmorillonite Hybrids. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13301-13306.	2.6	75
56	The valence and site occupancy of substituting metals in magnetite spinel structure $Fe_3\alpha^{\sim}xMxO_4$ (M $\hat{A}$ = $\hat{A}$ Cr, Mn, Co and Ni) and their influence on thermal stability: An XANES and TG-DSC investigation. <i>Solid State Sciences</i> , 2013, 15, 115-122.	3.2	75
57	Synergistic adsorption of Cd(II) with sulfate/phosphate on ferrihydrite: An in situ ATR-FTIR/2D-COS study. <i>Chemical Geology</i> , 2018, 477, 12-21.	3.3	75
58	Nanomaterials based upon silylated layered double hydroxides. <i>Applied Surface Science</i> , 2009, 255, 4334-4340.	6.1	73
59	Preparation and characterization of zwitterionic surfactant-modified montmorillonites. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 386-392.	9.4	70
60	A comparative study about the effects of isomorphous substitution of transition metals (Ti, Cr, Mn,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 29-34.	4.8	70
61	Investigation on the delaminated-pillared structure of TiO <sub>2</sub> -PILC synthesized by TiCl <sub>4</sub> hydrolysis method. <i>Microporous and Mesoporous Materials</i> , 2006, 93, 240-247.	4.4	68
62	Synthesis and characterization of layered double hydroxides with a high aspect ratio. <i>Journal of Solid State Chemistry</i> , 2006, 179, 708-715.	2.9	68
63	Arrangement models of alkylammonium cations in the interlayer of HDTMA+ pillared montmorillonites. <i>Science Bulletin</i> , 2003, 48, 368-372.	1.7	67
64	Nanogeosciences: Research History, Current Status, and Development Trends. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5930-5965.	0.9	67
65	Self-templating synthesis of silicon nanorods from natural sepiolite for high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6356-6362.	10.3	67
66	Layered intercalation compounds: Mechanisms, new methodologies, and advanced applications. <i>Progress in Materials Science</i> , 2020, 109, 100631.	32.8	66
67	In situ synthesis of surfactant/silane-modified hydrotalcites. <i>Journal of Colloid and Interface Science</i> , 2008, 319, 498-504.	9.4	64
68	The catalytic oxidation of formaldehyde over palygorskite-supported copper and manganese oxides: Catalytic deactivation and regeneration. <i>Applied Surface Science</i> , 2019, 464, 287-293.	6.1	64
69	and MAS NMR spectra of mullites from different kaolinites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1061-1064.	3.9	62
70	Silylation of montmorillonite surfaces: Dependence on solvent nature. <i>Journal of Colloid and Interface Science</i> , 2013, 391, 16-20.	9.4	59
71	Surface structure-dependent pyrite oxidation in relatively dry and moist air: Implications for the reaction mechanism and sulfur evolution. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 228, 259-274.	3.9	58
72	Selective loading of 5-fluorouracil in the interlayer space of methoxy-modified kaolinite for controlled release. <i>Applied Clay Science</i> , 2018, 159, 102-106.	5.2	58

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73	Degradation of Methylene Blue by Heterogeneous Fenton Reaction Using Titanomagnetite at Neutral pH Values: Process and Affecting Factors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 9915-9921.	3.7	57
74	A X-ray photoelectron spectroscopy study of HDTMAB distribution within organoclays. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 1180-1188.	3.9	55
75	Natural Magnetite: an efficient catalyst for the degradation of organic contaminant. <i>Scientific Reports</i> , 2015, 5, 10139.	3.3	55
76	Synergetic effect of Cu and Mn oxides supported on palygorskite for the catalytic oxidation of formaldehyde: Dispersion, microstructure, and catalytic performance. <i>Applied Clay Science</i> , 2018, 161, 265-273.	5.2	55
77	Influences of pretreatment temperature on the surface silylation of diatomaceous amorphous silica with trimethylchlorosilane. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3762-3771.	3.1	54
78	Application of near infrared spectroscopy for the determination of adsorbed p-nitrophenol on HDTMA organoclay—implications for the removal of organic pollutants from water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 835-841.	3.9	54
79	The effect of transition metal substitution on the catalytic activity of magnetite in heterogeneous Fenton reaction: In interfacial view. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 435, 28-35.	4.7	54
80	Efficiency of Fe—montmorillonite on the removal of Rhodamine B and hexavalent chromium from aqueous solution. <i>Applied Clay Science</i> , 2016, 120, 9-15.	5.2	53
81	Surface silylation of natural mesoporous/macroporous diatomite for adsorption of benzene. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 545-552.	9.4	52
82	Core—shell structured iron nanoparticles well dispersed on montmorillonite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3515-3519.	2.3	51
83	Uranium re-adsorption on uranium mill tailings and environmental implications. <i>Journal of Hazardous Materials</i> , 2021, 416, 126153.	12.4	51
84	Novel intercalation mechanism of zwitterionic surfactant modified montmorillonites. <i>Applied Clay Science</i> , 2017, 141, 265-271.	5.2	50
85	TEM, XRD, and thermal stability of adsorbed paranitrophenol on DDOAB organoclay. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 24-37.	9.4	48
86	Locking effect: A novel insight in the silylation of montmorillonite surfaces. <i>Materials Chemistry and Physics</i> , 2012, 136, 292-295.	4.0	48
87	Thermal degradation of organic matter in the interlayer clay—organic complex: A TG-FTIR study on a montmorillonite/12-aminolauric acid system. <i>Applied Clay Science</i> , 2013, 80-81, 398-406.	5.2	48
88	Performance of Ti-pillared montmorillonite supported Fe catalysts for toluene oxidation: The effect of Fe on catalytic activity. <i>Applied Clay Science</i> , 2016, 132-133, 96-104.	5.2	47
89	The distinct effects of substitution and deposition of Ag in perovskite LaCoO <sub>3</sub> on the thermally catalytic oxidation of toluene. <i>Applied Surface Science</i> , 2019, 489, 905-912.	6.1	47
90	Effect of surfactant concentration on the stacking modes of organo-silylated layered double hydroxides. <i>Applied Clay Science</i> , 2009, 45, 262-269.	5.2	46

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91	Methoxy-modified kaolinite as a novel carrier for high-capacity loading and controlled-release of the herbicide amitrole. <i>Scientific Reports</i> , 2015, 5, 8870.	3.3	46
92	A microstructural study of acid-activated montmorillonite from Choushan, China. <i>Clay Minerals</i> , 2002, 37, 337-344.	0.6	44
93	<i>In situ</i> synthesis of a silicon flake/nitrogen-doped graphene-like carbon composite from organoclay for high-performance lithium-ion battery anodes. <i>Chemical Communications</i> , 2019, 55, 2644-2647.	4.1	44
94	Synthesis and infrared spectroscopic characterization of selected layered double hydroxides containing divalent Ni and Co. <i>Materials Chemistry and Physics</i> , 2008, 112, 869-875.	4.0	43
95	Montmorillonite as a multifunctional adsorbent can simultaneously remove crystal violet, cetyltrimethylammonium, and 2-naphthol from water. <i>Applied Clay Science</i> , 2014, 88-89, 33-38.	5.2	43
96	Preparation of surface-functionalized porous clay heterostructures via carbonization of soft-template and their adsorption performance for toluene. <i>Applied Surface Science</i> , 2016, 363, 113-121.	6.1	43
97	Adsorption of phenol, phosphate and Cd(II) by inorganic-organic montmorillonites: A comparative study of single and multiple solute. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 63-71.	4.7	43
98	Preparation of functionalized kaolinite/epoxy resin nanocomposites with enhanced thermal properties. <i>Applied Clay Science</i> , 2017, 148, 103-108.	5.2	43
99	Surface Heterogeneity of SiO <sub>2</sub> Polymorphs: An XPS Investigation of $\alpha$ -Quartz and $\beta$ -Cristobalite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26249-26257.	3.1	41
100	Visible light assisted Fenton-like degradation of Orange II on Ni <sub>3</sub> Fe/Fe <sub>3</sub> O <sub>4</sub> magnetic catalyst prepared from spent FeNi layered double hydroxide. <i>Journal of Molecular Catalysis A</i> , 2016, 415, 9-16.	4.8	41
101	Influence of interlayer species on the thermal characteristics of montmorillonite. <i>Applied Clay Science</i> , 2017, 135, 129-135.	5.2	41
102	An abiotic source of Archean hydrogen peroxide and oxygen that pre-dates oxygenic photosynthesis. <i>Nature Communications</i> , 2021, 12, 6611.	12.8	41
103	The distinct effects of Mn substitution on the reactivity of magnetite in heterogeneous Fenton reaction and Pb(II) adsorption. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 181-189.	9.4	40
104	Degradation of 2,4-dichlorophenol using palygorskite-supported bimetallic Fe/Ni nanocomposite as a heterogeneous catalyst. <i>Applied Clay Science</i> , 2019, 168, 276-286.	5.2	40
105	High-capacity loading of 5-fluorouracil on the methoxy-modified kaolinite. <i>Applied Clay Science</i> , 2014, 100, 60-65.	5.2	39
106	From used montmorillonite to carbon monolayer-montmorillonite nanocomposites. <i>Applied Clay Science</i> , 2014, 100, 112-117.	5.2	39
107	Simultaneous adsorption of Cd(II) and phosphate on Al <sub>13</sub> pillared montmorillonite. <i>RSC Advances</i> , 2015, 5, 77227-77234.	3.6	39
108	Keggin-Al <sub>30</sub> pillared montmorillonite. <i>Microporous and Mesoporous Materials</i> , 2017, 242, 256-263.	4.4	39

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109	Raman spectroscopic study of organo-montmorillonites. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 316-323.	2.5	38
110	The variation of cationic microstructure in Mn-doped spinel ferrite during calcination and its effect on formaldehyde catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2016, 306, 305-312.	12.4	38
111	Silylation of layered double hydroxides via an induced hydrolysis method. <i>Journal of Materials Chemistry</i> , 2011, 21, 10711.	6.7	37
112	Silylation of saponite with 3-aminopropyltriethoxysilane. <i>Applied Clay Science</i> , 2016, 132-133, 133-139.	5.2	37
113	Adsorption isotherm, mechanism, and geometry of Pb(II) on magnetites substituted with transition metals. <i>Chemical Geology</i> , 2017, 470, 132-140.	3.3	37
114	Synthesis, characterization and size control of zerovalent iron nanoparticles anchored on montmorillonite. <i>Science Bulletin</i> , 2010, 55, 1092-1099.	1.7	36
115	Influences of thermal pretreatment temperature and solvent on the organosilane modification of Al13-intercalated/Al-pillared montmorillonite. <i>Applied Clay Science</i> , 2010, 50, 546-553.	5.2	35
116	Ag <sub>3</sub> PO <sub>4</sub> immobilized on hydroxy-metal pillared montmorillonite for the visible light driven degradation of acid red 18. <i>Catalysis Science and Technology</i> , 2016, 6, 4116-4123.	4.1	35
117	Templated synthesis of nitrogen-doped graphene-like carbon materials using spent montmorillonite. <i>RSC Advances</i> , 2015, 5, 7522-7528.	3.6	34
118	Bisphenol A degradation by a new acidic nano zero-valent iron diatomite composite. <i>Catalysis Science and Technology</i> , 2016, 6, 6066-6075.	4.1	34
119	Clay minerals derived nanostructured silicon with various morphology: Controlled synthesis, structural evolution, and enhanced lithium storage properties. <i>Journal of Power Sources</i> , 2018, 405, 61-69.	7.8	34
120	The influence of alkyl chain length on surfactant distribution within organo-montmorillonites and their thermal stability. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 301-309.	3.6	33
121	Characterization and catalytic performance of Fe <sub>3</sub> Ni <sub>8</sub> /palygorskite for catalytic cracking of benzene. <i>Applied Clay Science</i> , 2013, 74, 135-140.	5.2	33
122	Facile synthesis of nitrogen and sulfur co-doped graphene-like carbon materials using methyl blue/montmorillonite composites. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 137-143.	4.4	33
123	Arrangement, conformation, and mobility of surfactant molecules intercalated in montmorillonite prepared at different pillaring reagent concentrations as studied by solid-state NMR spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 754-760.	9.4	32
124	Organo-Clays As Sorbents of Hydrophobic Organic Contaminants: Sorptive Characteristics and Approaches to Enhancing Sorption Capacity. <i>Clays and Clay Minerals</i> , 2015, 63, 199-221.	1.3	32
125	Changes in the surfaces of adsorbed p-nitrophenol on methyltrioctadecylammonium bromide organoclay. An XRD, TG, and infrared spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 405-414.	9.4	31
126	Experimental study of the selective adsorption of heavy metals onto clay minerals. <i>Diqiu Huaxue</i> , 2000, 19, 105-109.	0.5	30



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127	Silylation of Layered Double Hydroxides via a Calcination~Rehydration Route. <i>Langmuir</i> , 2010, 26, 2769-2773.	3.5	30
128	Tailoring surface properties and structure of layered double hydroxides using silanes with different number of functional groups. <i>Journal of Solid State Chemistry</i> , 2014, 213, 176-181.	2.9	30
129	Structure and dynamic properties of water saturated CTMA-montmorillonite: molecular dynamics simulations. <i>Applied Clay Science</i> , 2014, 97-98, 62-71.	5.2	30
130	Expansion characteristics of organo montmorillonites during the intercalation, aging, drying and rehydration processes: Effect of surfactant/CEC ratio. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 401-407.	4.7	29
131	Distribution characteristics and ecological risk assessment of PAHs in surface waters of China. <i>Science China Earth Sciences</i> , 2012, 55, 914-925.	5.2	29
132	H <sub>2</sub> S-Modified Natural Ilmenite: A Recyclable Magnetic Sorbent for Recovering Gaseous Elemental Mercury from Flue Gas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 10060-10068.	3.7	29
133	Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles. <i>RSC Advances</i> , 2018, 8, 7687-7696.	3.6	29
134	Coupling between clay swelling/collapse and cationic partition. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 285, 78-99.	3.9	29
135	Structural and sorptive characteristics of the cetyltrimethylammonium and polyacrylamide modified bentonite. <i>Chemical Engineering Journal</i> , 2010, 160, 220-225.	12.7	28
136	Silylation of Al <sub>13</sub> -intercalated montmorillonite with trimethylchlorosilane and their adsorption for Orange II. <i>Applied Clay Science</i> , 2014, 99, 229-236.	5.2	28
137	From spent Mg/Al layered double hydroxide to porous carbon materials. <i>Journal of Hazardous Materials</i> , 2015, 300, 572-580.	12.4	28
138	Converting Spent Cu/Fe Layered Double Hydroxide into Cr(VI) Reductant and Porous Carbon Material. <i>Scientific Reports</i> , 2017, 7, 7277.	3.3	28
139	Adsorption of p-Nitrophenol on Mono-, Di-, and Trialkyl Surfactant-Intercalated Organoclays: A Comparative Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7487-7493.	3.1	27
140	Preparation and characterization of 3-aminopropyltriethoxysilane grafted montmorillonite and acid-activated montmorillonite. <i>Science Bulletin</i> , 2009, 54, 265-271.	9.0	27
141	Thermal analysis evidence for the location of zwitterionic surfactant on clay minerals. <i>Applied Clay Science</i> , 2015, 112-113, 62-67.	5.2	27
142	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO <sub>2</sub> nanotube arrays. <i>Science of the Total Environment</i> , 2018, 633, 1198-1205.	8.0	27
143	Pyrolysis behaviors of organic matter (OM) with the same alkyl main chain but different functional groups in the presence of clay minerals. <i>Applied Clay Science</i> , 2018, 153, 205-216.	5.2	27
144	Influences of Cation Ratio, Anion Type, and Water Content on Polytypism of Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2018, 57, 7299-7313.	4.0	27

#	ARTICLE	IF	CITATIONS
145	Aluminum ion occupancy in the structure of synthetic saponites: Effect on crystallinity. <i>American Mineralogist</i> , 2014, 99, 109-116.	1.9	26
146	Co-sorption of Cd and phosphate on the surface of a synthetic hydroxyiron-montmorillonite complex. <i>Clays and Clay Minerals</i> , 2014, 62, 79-88.	1.3	26
147	The structural change of vermiculite during dehydration processes: A real-time in-situ XRD method. <i>Applied Clay Science</i> , 2019, 183, 105332.	5.2	26
148	The mechanism of defect induced hydroxylation on pyrite surfaces and implications for hydroxyl radical generation in prebiotic chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 163-172.	3.9	26
149	Technical development of characterization methods provides insights into clay mineral-water interactions: A comprehensive review. <i>Applied Clay Science</i> , 2021, 206, 106088.	5.2	26
150	Reduction of acid mine drainage by passivation of pyrite surfaces: A review. <i>Science of the Total Environment</i> , 2022, 832, 155116.	8.0	26
151	Superior thermal stability of Keggin-Al <sub>30</sub> pillared montmorillonite: A comparative study with Keggin-Al <sub>13</sub> pillared montmorillonite. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 104-111.	4.4	25
152	Conversion of serpentine to smectite under hydrothermal condition: Implication for solid-state transformation. <i>American Mineralogist</i> , 2018, 103, 241-251.	1.9	25
153	Arrangement Models of Keggin-Al <sub>30</sub> and Keggin-Al <sub>13</sub> in the Interlayer of Montmorillonite and the Impacts of Pillaring on Surface Acidity: A Comparative Study on Catalytic Oxidation of Toluene. <i>Langmuir</i> , 2019, 35, 382-390.	3.5	25
154	Carbonate-Enhanced Transformation of Ferrihydrite to Hematite. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13701-13708.	10.0	25
155	Coupled redox cycling of Fe and Mn in the environment: The complex interplay of solution species with Fe- and Mn-(oxyhydr)oxide crystallization and transformation. <i>Earth-Science Reviews</i> , 2022, 232, 104105.	9.1	25
156	Modelling the effects of surfactant loading level on the sorption of organic contaminants on organoclays. <i>RSC Advances</i> , 2015, 5, 47022-47030.	3.6	24
157	Fullerol modification ferrihydrite for the degradation of acid red 18 under simulated sunlight irradiation. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 393-401.	4.8	24
158	Crystal habit-directed gold deposition on pyrite: Surface chemical interpretation of the pyrite morphology indicative of gold enrichment. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 191-204.	3.9	24
159	A novel multifunctional adsorbent synthesized by modifying acidified organo-montmorillonite with iron hydroxides. <i>Applied Clay Science</i> , 2020, 185, 105420.	5.2	24
160	Competitive adsorption geometries for the arsenate As(V) and phosphate P(V) oxyanions on magnetite surfaces: Experiments and theory. <i>American Mineralogist</i> , 2021, 106, 374-388.	1.9	24
161	Environmental risk assessment of the potential "Chemical Time Bomb" of ion-adsorption type rare earth elements in urban areas. <i>Science of the Total Environment</i> , 2022, 822, 153305.	8.0	24
162	Reduction removal of hexavalent chromium by zinc-substituted magnetite coupled with aqueous Fe(II) at neutral pH value. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 20-29.	9.4	23

#	ARTICLE	IF	CITATIONS
163	Kaolinization of 2:1 type clay minerals with different swelling properties. <i>American Mineralogist</i> , 2020, 105, 687-696.	1.9	23
164	Enhancing the sorption capacity of CTMA-bentonite by simultaneous intercalation of cationic polyacrylamide. <i>Journal of Hazardous Materials</i> , 2010, 178, 1078-1084.	12.4	22
165	Magnetite-rutile symplectite derived from ilmenite-hematite solid solution in the Xinjie Fe-Ti oxide-bearing, mafic-ultramafic layered intrusion (SW China). <i>American Mineralogist</i> , 2015, 100, 2348-2351.	1.9	22
166	Morphology controllable syntheses of micro- and nano-iron pyrite mono- and poly-crystals: a review. <i>RSC Advances</i> , 2016, 6, 31988-31999.	3.6	22
167	BiVO <sub>4</sub> /Fe/Mt composite for visible-light-driven degradation of acid red 18. <i>Applied Clay Science</i> , 2016, 129, 27-34.	5.2	21
168	Sequestration of Gaseous Hg <sup>0</sup> by Sphalerite with Fe Substitution: Performance, Mechanism, and Structure-Activity Relationship. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2828-2836.	3.1	21
169	Characteristics and genesis of ion adsorption type REE deposits in the weathering crusts of metamorphic rocks in Ningdu, Ganzhou, China. <i>Ore Geology Reviews</i> , 2021, 135, 104173.	2.7	21
170	Facet-specific oxidation of Mn(II) and heterogeneous growth of manganese (oxyhydr)oxides on hematite nanoparticles. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 151-167.	3.9	21
171	A new insight into the compositional and structural control of porous clay heterostructures from the perspective of NMR and TEM. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 285-293.	4.4	20
172	Transformation of halloysite and kaolinite into beidellite under hydrothermal condition. <i>American Mineralogist</i> , 2017, 102, 997-1005.	1.9	20
173	REE fractionation controlled by REE speciation during formation of the Renju regolith-hosted REE deposits in Guangdong Province, South China. <i>Ore Geology Reviews</i> , 2021, 134, 104172.	2.7	20
174	The influence of substituting metals (Ti, V, Cr, Mn, Co and Ni) on the thermal stability of magnetite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1317-1324.	3.6	19
175	Effect of functionalized kaolinite on the curing kinetics of cycloaliphatic epoxy/anhydride system. <i>Applied Clay Science</i> , 2014, 95, 317-322.	5.2	19
176	The non-micellar template model for porous clay heterostructures: A perspective from the layer charge of base clay. <i>Applied Clay Science</i> , 2015, 116-117, 102-110.	5.2	19
177	Thermal decomposition of silylated layered double hydroxides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 153-159.	3.6	18
178	Interaction of polyhydroxy fullerenes with ferrihydrite: adsorption and aggregation. <i>Journal of Environmental Sciences</i> , 2018, 64, 1-9.	6.1	18
179	Groundwater controls REE mineralisation in the regolith of South China. <i>Chemical Geology</i> , 2021, 577, 120295.	3.3	18
180	Restricting layer collapse enhances the adsorption capacity of reduced-charge organoclays. <i>Applied Clay Science</i> , 2014, 88-89, 73-77.	5.2	17

#	ARTICLE	IF	CITATIONS
181	Kinetics and mechanisms of the interaction between the calcite (10.4) surface and Cu <sup>2+</sup> -bearing solutions. <i>Science of the Total Environment</i> , 2019, 668, 602-616.	8.0	17
182	TiO <sub>2</sub> /Schwertmannite nanocomposites as superior co-catalysts in heterogeneous photo-Fenton process. <i>Journal of Environmental Sciences</i> , 2019, 80, 208-217.	6.1	17
183	The oxidation state and microstructural environment of transition metals (V, Co, and Ni) in magnetite: an XAFS study. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 373-383.	0.8	16
184	Keggin-Al <sub>30</sub> : An intercalant for Keggin-Al <sub>30</sub> pillared montmorillonite. <i>Applied Clay Science</i> , 2019, 180, 105203.	5.2	16
185	Effects of Fullerol and Graphene Oxide on the Phase Transformation of Two-Line Ferrihydrite. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 335-344.	2.7	16
186	Effects of solid acidity of clay minerals on the thermal decomposition of 12-aminolauric acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 125-130.	3.6	15
187	Magnetite exsolution in ilmenite from the Fe-Ti oxide gabbro in the Xinjie intrusion (SW China) and sources of unusually strong remnant magnetization. <i>American Mineralogist</i> , 2016, 101, 2759-2767.	1.9	15
188	Fullerene modification of Ag <sub>3</sub> PO <sub>4</sub> for the visible-light-driven degradation of acid red 18. <i>RSC Advances</i> , 2016, 6, 85962-85969.	3.6	15
189	Remarkable effect of Co substitution in magnetite on the reduction removal of Cr(VI) coupled with aqueous Fe(II): Improvement mechanism and Cr fate. <i>Science of the Total Environment</i> , 2019, 656, 400-408.	8.0	14
190	Photoreductive Dissolution of Iron (Hydr)oxides and Its Geochemical Significance. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 811-829.	2.7	14
191	Studies on the solid acidity of heated and cation-exchanged montmorillonite using n-butylamine titration in non-aqueous system and diffuse reflectance Fourier transform infrared (DRIFT) spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 479-489.	0.8	13
192	Ecological Risk Assessment of Organochlorine Pesticides in Surface Waters of Lake Taihu, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 840-856.	3.4	13
193	Investigation of structure and thermal stability of surfactant-modified Al-pillared montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 219-225.	3.6	13
194	Al <sub>13</sub> -pillared montmorillonite modified by cationic and zwitterionic surfactants: A comparative study. <i>Applied Clay Science</i> , 2014, 101, 327-334.	5.2	13
195	Diatomite-Metal-Organic Framework Composite with Hierarchical Pore Structures for Adsorption/Desorption of Hydrogen, Carbon Dioxide and Water Vapor. <i>Materials</i> , 2020, 13, 4700.	2.9	13
196	The Influence of Random Defect Density on the Thermal Stability of Kaolinites. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1017-1019.	3.8	12
197	Aggregative growth of quasi-octahedral iron pyrite mesocrystals in a polyol solution through oriented attachment. <i>CrystEngComm</i> , 2016, 18, 8823-8828.	2.6	12
198	Improvement of zinc substitution in the reactivity of magnetite coupled with aqueous Fe(II) towards nitrobenzene reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 104-112.	9.4	12

#	ARTICLE	IF	CITATIONS
199	Preservation of Cyanobacterial UV-Protective Pigment Scytonemin in Carbonate Ooids Formed in Pleistocene Salt Lakes in the Qaidam Basin, Tibetan Plateau. <i>Geophysical Research Letters</i> , 2019, 46, 10375-10383.	4.0	11
200	The structure of montmorillonites modified with zwitterionic surfactants and their sorption ability. <i>Mineralogy and Petrology</i> , 2015, 109, 349-355.	1.1	10
201	Possible mechanism of structural incorporation of Al into diatomite during the deposition process I. Via a condensation reaction of hydroxyl groups. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 64-68.	9.4	10
202	Temperature-Dependent Structure and Dynamics of Water Intercalated in Layered Double Hydroxides with Different Hydration States. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23752-23762.	3.1	10
203	Effects of organic templates on the structural properties of porous clay heterostructures: a non-micellar template model for porous structure. <i>Journal of Porous Materials</i> , 2015, 22, 219-228.	2.6	9
204	Structural effects on dissolution of silica polymorphs in various solutions. <i>Inorganica Chimica Acta</i> , 2018, 471, 57-65.	2.4	9
205	Ferrihydrite Transformation Impacted by Adsorption and Structural Incorporation of Rare Earth Elements. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2768-2777.	2.7	9
206	Microorganisms Accelerate REE Mineralization in Supergene Environments. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	9
207	A Critical Textural Evolution Study of Zerovalent Iron/Montmorillonite Nanosized Heterostructures Under Various Iron Loadings. <i>Clays and Clay Minerals</i> , 2011, 59, 490-500.	1.3	8
208	Incorporation of incompatible trace elements into molybdenite: Layered PbS precipitates within molybdenite. <i>American Mineralogist</i> , 2022, 107, 54-64.	1.9	8
209	Transformation of boehmite into 2:1 type layered aluminosilicates with different layer charges under hydrothermal conditions. <i>Applied Clay Science</i> , 2019, 181, 105207.	5.2	7
210	Heterogeneous Reduction of 2-Chloronitrobenzene by Co-substituted Magnetite Coupled with Aqueous Fe <sup>2+</sup> : Performance, Factors, and Mechanism. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 728-737.	2.7	7
211	Closest-Packing Water Monolayer Stably Intercalated in Phyllosilicate Minerals under High Pressure. <i>Langmuir</i> , 2020, 36, 618-627.	3.5	7
212	Competitive adsorption of alkali ions on aqueous mica surface: A force field comparison molecular dynamics study. <i>Applied Clay Science</i> , 2022, 219, 106436.	5.2	7
213	Superimposed microstructures of pyrite in auriferous quartz veins as fingerprints of episodic fluid infiltration in the Wulong Lode gold deposit, NE China. <i>Mineralium Deposita</i> , 2022, 57, 685-700.	4.1	7
214	Changes in the surfaces on DDOAB organoclays adsorbed with paranitrophenol: An XRD, TEM and TG study. <i>Materials Research Bulletin</i> , 2008, 43, 3318-3326.	5.2	6
215	Formation of saponite by hydrothermal alteration of metal oxides: Implication for the rarity of hydrocalcite. <i>American Mineralogist</i> , 2019, 104, 1156-1164.	1.9	6
216	One-pot synthesis of the reduced-charge montmorillonite via molten salts treatment. <i>Applied Clay Science</i> , 2020, 186, 105429.	5.2	6

#	ARTICLE	IF	CITATIONS
217	Environmental-sulfur-controlled surface properties of pyrite: a first principles PBE+U study. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.8	6
218	Development of novel multifunctional adsorbent by effectively hosting both zwitterionic surfactant and hydrated ferric oxides in montmorillonite. <i>Science of the Total Environment</i> , 2021, 774, 144974.	8.0	6
219	Evidence for a two-stage particle attachment mechanism for phyllosilicate crystallization in geological processes. <i>American Mineralogist</i> , 2021, 106, 983-993.	1.9	6
220	Periodic and non-periodic stacking in molybdenite (MoS <sub>2</sub> ) revealed by STEM. <i>American Mineralogist</i> , 2022, 107, 997-1006.	1.9	6
221	Distinct effects of transition metal (cobalt, manganese and nickel) ion substitutions on the abiotic oxidation of pyrite: In view of hydroxyl radical production. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 170-183.	3.9	6
222	The different effects of sulfate on the adsorption of REEs on kaolinite and ferrihydrite. <i>Applied Clay Science</i> , 2022, 221, 106468.	5.2	6
223	Heterogeneous Nucleation and Growth of CaCO <sub>3</sub> on Calcite (104) and Aragonite (110) Surfaces: Implications for the Formation of Abiogenic Carbonate Cements in the Ocean. <i>Minerals (Basel)</i> , 2022, 12, 1078.	0.78	10
224	Photochemically Induced Electron Transfer: Simultaneously Decolorizing Dye and Reducing Cr(VI). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	4
225	Molecular Simulation Study on the Interaction of Nanoparticles with Clay Minerals: C <sub>60</sub> on Surfaces of Pyrophyllite and Kaolinite. <i>Clays and Clay Minerals</i> , 2017, 65, 398-409.	1.3	4
226	A Review of the Role of Natural Clay Minerals as Effective Adsorbents and an Alternative Source of Minerals. <i>Clays and Clay Minerals</i> , 2017, 65, 398-409.		4
227	Magnetite-rutile symplectite in ilmenite records magma hydration in layered intrusions. <i>American Mineralogist</i> , 2022, 107, 395-404.	1.9	4
228	Carbonate accelerated transformation of ferrihydrite in the presence of phosphate. <i>Geoderma</i> , 2022, 417, 115811.	5.1	4
229	Mineralogical Evolution of the Paleogene Formations in the Kyzyltokoy Basin, Kyrgyzstan: Implications for the Formation of Glauconite. <i>Clays and Clay Minerals</i> , 2018, 66, 43-60.	1.3	3
230	Hydration induced bandgap shift at pyrite-water interface. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	3
231	Chemical and structural studies of coexisting 1M- and 2M1-polytypes in synthetic fluorophlogopites and influence of Al on the polytype formation. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 259-270.	0.8	3
232	Organoclay-derived lamellar silicon carbide/carbon composite as an ideal support for Pt nanoparticles: facile synthesis and toluene oxidation performance. <i>Chemical Communications</i> , 2020, 56, 9489-9492.	4.1	3
233	Pressure-temperature diagram of wetting and dewetting in a hydrophobic grain boundary and the liquidlike to icelike transition of monolayer water. <i>Physical Review B</i> , 2020, 101, .	3.2	3
234	Massive Deposition of Carbonate Nodules in the Hyperarid Northwest Qaidam Basin of the Northern Tibetan Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009654.	2.5	3

#	ARTICLE	IF	CITATIONS
235	FEASIBILITY OF VISIBLE SHORT-WAVE INFRARED REFLECTANCE SPECTROSCOPY TO CHARACTERIZE REGOLITH-HOSTED RARE EARTH ELEMENT MINERALIZATION. <i>Economic Geology</i> , 2022, 117, 495-508.	3.8	3
236	Visible/near infrared reflectance (VNIR) spectral features of ion-exchangeable Rare earth elements hosted by clay minerals: Potential use for exploration of regolith-hosted REE deposits. <i>Applied Clay Science</i> , 2021, 215, 106320.	5.2	3
237	Transformation of Ordered Albite into Kaolinite: Implication for the "Booklet" Morphology. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1133-1142.	2.7	3
238	Brain-terrain-like features in the Qaidam Basin: Implications for various morphological features on Mars. <i>Icarus</i> , 2021, 363, 114434.	2.5	2
239	Intrinsic water layering next to soft, solid, hydrophobic, and hydrophilic substrates. <i>Journal of Chemical Physics</i> , 2020, 153, 224702.	3.0	1
240	The Composition and Growth Mechanism of Coexisting 4M2 and 4A8 Biotite Polytypes from Rhyolite of Long Valley Caldera, California. <i>Clays and Clay Minerals</i> , 2022, 70, 48-61.	1.3	1
241	Enhanced immobilization of phosphate by ferrihydrite during the photoreductive dissolution process. <i>Science of the Total Environment</i> , 2022, 838, 155835.	8.0	1
242	Weathering of Chlorite Illite Deposits in the Hyperarid Qaidam Basin: Implications to Post-Depositional Alteration on Martian Clay Minerals. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	2.8	1
243	Formation of Misfit Layered PbS Within Molybdenite. <i>Microscopy and Microanalysis</i> , 2020, 26, 486-487.	0.4	0
244	Fluid pathway evolution and mass transfer during Mg-dominated mineral transformations. <i>Applied Clay Science</i> , 2021, 207, 106097.	5.2	0
245	Multiple Growth Mechanisms of 2:1 Type Layered Aluminosilicates during Mineral Transformation. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1930-1936.	2.7	0