

Hongping He

List of Publications by Year in descending order

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245
papers

14,420
citations

16451

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docs citations

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times ranked

11916
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#	ARTICLE	IF	CITATIONS
1	Incorporation of incompatible trace elements into molybdenite: Layered PbS precipitates within molybdenite. <i>American Mineralogist</i> , 2022, 107, 54-64.	1.9	8
2	Magnetite-rutile symplectite in ilmenite records magma hydration in layered intrusions. <i>American Mineralogist</i> , 2022, 107, 395-404.	1.9	4
3	Periodic and non-periodic stacking in molybdenite (MoS ₂) revealed by STEM. <i>American Mineralogist</i> , 2022, 107, 997-1006.	1.9	6
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Photoreductive Dissolution of Iron (Hydr)oxides and Its Geochemical Significance. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 811-829.	2.7	14
12	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
13	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
14	Carbonate accelerated transformation of ferrihydrite in the presence of phosphate. <i>Geoderma</i> , 2022, 417, 115811.	5.1	4
15	Enhanced immobilization of phosphate by ferrihydrite during the photoreductive dissolution process. <i>Science of the Total Environment</i> , 2022, 838, 155835.	8.0	1
16	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
17	Microorganisms Accelerate REE Mineralization in Supergene Environments. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	9
18	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

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19	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
20	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
21	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
22	Environmental-sulfur-controlled surface properties of pyrite: a first principles PBE study. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.8	6
23	Fluid pathway evolution and mass transfer during Mg-dominated mineral transformations. <i>Applied Clay Science</i> , 2021, 207, 106097.	5.2	0
24	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
25	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
26	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
27	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
28	Brain-terrain-like features in the Qaidam Basin: Implications for various morphological features on Mars. <i>Icarus</i> , 2021, 363, 114434.	2.5	2
29	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
30	Uranium re-adsorption on uranium mill tailings and environmental implications. <i>Journal of Hazardous Materials</i> , 2021, 416, 126153.	12.4	51
31	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
32	Groundwater controls REE mineralisation in the regolith of South China. <i>Chemical Geology</i> , 2021, 577, 120295.	3.3	18
33	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
34	An abiotic source of Archean hydrogen peroxide and oxygen that pre-dates oxygenic photosynthesis. <i>Nature Communications</i> , 2021, 12, 6611.	12.8	41
35	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
36	Functionalized layered double hydroxides for innovative applications. <i>Materials Horizons</i> , 2020, 7, 715-745.	12.2	171

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37	Closest-Packing Water Monolayer Stably Intercalated in Phyllosilicate Minerals under High Pressure. <i>Langmuir</i> , 2020, 36, 618-627.	3.5	7
38	A novel multifunctional adsorbent synthesized by modifying acidified organo-montmorillonite with iron hydroxides. <i>Applied Clay Science</i> , 2020, 185, 105420.	5.2	24
39	Layered intercalation compounds: Mechanisms, new methodologies, and advanced applications. <i>Progress in Materials Science</i> , 2020, 109, 100631.	32.8	66
40	Carbonate-Enhanced Transformation of Ferrihydrite to Hematite. <i>Environmental Science & Technology</i> , 2020, 54, 13701-13708.	10.0	25
41	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
42	Coupling between clay swelling/collapse and cationic partition. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 285, 78-99.	3.9	29
43	Formation of Misfit Layered PbS Within Molybdenite. <i>Microscopy and Microanalysis</i> , 2020, 26, 486-487.	0.4	0
44	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
45	Intrinsic water layering next to soft, solid, hydrophobic, and hydrophilic substrates. <i>Journal of Chemical Physics</i> , 2020, 153, 224702.	3.0	1
46	Kaolinization of 2:1 type clay minerals with different swelling properties. <i>American Mineralogist</i> , 2020, 105, 687-696.	1.9	23
47	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
48	One-pot synthesis of the reduced-charge montmorillonite via molten salts treatment. <i>Applied Clay Science</i> , 2020, 186, 105429.	5.2	6
49	Heterogeneous Nucleation and Growth of CaCO ₃ on Calcite (104) and Aragonite (110) Surfaces: Implications for the Formation of Abiogenic Carbonate Cements in the Ocean. <i>Minerals (Basel)</i> , 2020, 10, 1078.	1.0	0
50	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
51	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
52	Formation of saponite by hydrothermal alteration of metal oxides: Implication for the rarity of hydrotalcite. <i>American Mineralogist</i> , 2019, 104, 1156-1164.	1.9	6
53	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
54	Keggin-Al ₃₀ : An intercalant for Keggin-Al ₃₀ pillared montmorillonite. <i>Applied Clay Science</i> , 2019, 180, 105203.	5.2	16

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55	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
56	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
57	Preservation of Cyanobacterial UV-Radiation Shielding 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
58	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
59	Sequestration of Gaseous Hg ⁰ 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
60	<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
61	The distinct effects of substitution and deposition of Ag in perovskite LaCoO ₃ on the thermally catalytic oxidation of toluene. <i>Applied Surface Science</i> , 2019, 489, 905-912.	6.1	47
62	Strategies for enhancing the heterogeneous Fenton catalytic reactivity: A review. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117739.	20.2	687
63	Kinetics and mechanisms of the interaction between the calcite (10.4) surface and Cu ²⁺ -bearing solutions. <i>Science of the Total Environment</i> , 2019, 668, 602-616.	8.0	17
64	Heterogeneous Reduction of 2-Chloronitrobenzene by Co-substituted Magnetite Coupled with Aqueous Fe ²⁺ : Performance, Factors, and Mechanism. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 728-737.	2.7	7
65	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
66	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
67	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
68	Arrangement Models of Keggin-Al ₃₀ and Keggin-Al ₁₃ 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
69	TiO ₂ /Schwertmannite nanocomposites as superior co-catalysts in heterogeneous photo-Fenton process. <i>Journal of Environmental Sciences</i> , 2019, 80, 208-217.	6.1	17
70	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
71	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
72	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

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73	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
74	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO ₂ nanotube arrays. <i>Science of the Total Environment</i> , 2018, 633, 1198-1205.	8.0	27
75	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
76	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
77	Superior thermal stability of Keggin-Al 30 pillared montmorillonite: A comparative study with Keggin-Al 13 pillared montmorillonite. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 104-111.	4.4	25
78	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
79	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
80	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
81	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
82	Interaction of polyhydroxy fullerenes with ferrihydrite: adsorption and aggregation. <i>Journal of Environmental Sciences</i> , 2018, 64, 1-9.	6.1	18
83	Effect of acid activation of palygorskite on their toluene adsorption behaviors. <i>Applied Clay Science</i> , 2018, 159, 60-67.	5.2	83
84	Structural effects on dissolution of silica polymorphs in various solutions. <i>Inorganica Chimica Acta</i> , 2018, 471, 57-65.	2.4	9
85	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
86	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
87	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
88	Conversion of serpentine to smectite under hydrothermal condition: Implication for solid-state transformation. <i>American Mineralogist</i> , 2018, 103, 241-251.	1.9	25
89	Hydration induced bandgap shift at pyrite-water interface. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	3
90	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

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91	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
92	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
93	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
94	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
95	Keggin-Al 30 pillared montmorillonite. <i>Microporous and Mesoporous Materials</i> , 2017, 242, 256-263.	4.4	39
96	Novel intercalation mechanism of zwitterionic surfactant modified montmorillonites. <i>Applied Clay Science</i> , 2017, 141, 265-271.	5.2	50
97	Mechanisms for the enhanced photo-Fenton activity of ferrihydrite modified with BiVO ₄ at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2017, 212, 50-58.	20.2	182
98	Nanogeosciences: Research History, Current Status, and Development Trends. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5930-5965.	0.9	67
99	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
100	Influence of interlayer species on the thermal characteristics of montmorillonite. <i>Applied Clay Science</i> , 2017, 135, 129-135.	5.2	41
101	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
102	H ₂ S-Modified Natural Ilmenite: A Recyclable Magnetic Sorbent for Recovering Gaseous Elemental Mercury from Flue Gas. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10060-10068.	3.7	29
103	Preparation of functionalized kaolinite/epoxy resin nanocomposites with enhanced thermal properties. <i>Applied Clay Science</i> , 2017, 148, 103-108.	5.2	43
104	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
105	Microwave-Assisted Synthesis of Fe ₃ O ₄ Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29203-29212.	8.0	91
106	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
107	Photochemically Induced Electron Transfer: Simultaneously Decolorizing Dye and Reducing Cr(VI). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	4
108	Transformation of halloysite and kaolinite into beidellite under hydrothermal condition. <i>American Mineralogist</i> , 2017, 102, 997-1005.	1.9	20

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109	Molecular Simulation Study on the Interaction of Nanoparticles with Clay Minerals: C_{60} on Surfaces of Pyrophyllite and Kaolinite. <i>Clays and Clay Minerals</i> , 2017, 65, 398-409.	1.3	4
110	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
111	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
112	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
113	Fullerene modification of Ag_3PO_4 for the visible-light-driven degradation of acid red 18. <i>RSC Advances</i> , 2016, 6, 85962-85969.	3.6	15
114	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
115	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
116	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
117	Silylation of saponite with 3-aminopropyltriethoxysilane. <i>Applied Clay Science</i> , 2016, 132-133, 133-139.	5.2	37
118	$BiVO_4/Fe/Mt$ composite for visible-light-driven degradation of acid red 18. <i>Applied Clay Science</i> , 2016, 129, 27-34.	5.2	21
119	Visible light assisted Fenton-like degradation of Orange II on Ni_3Fe/Fe_3O_4 magnetic catalyst prepared from spent FeNi layered double hydroxide. <i>Journal of Molecular Catalysis A</i> , 2016, 415, 9-16.	4.8	41
120	Adsorbents based on montmorillonite for contaminant removal from water: A review. <i>Applied Clay Science</i> , 2016, 123, 239-258.	5.2	389
121	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
122	Ag_3PO_4 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
123	Efficiency of Fe ²⁺ -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
124	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
125	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
126	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

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127	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
128	Co-adsorption of phosphate and zinc(II) on the surface of ferrihydrite. <i>Chemosphere</i> , 2016, 144, 1148-1155.	8.2	118
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	Simultaneous adsorption of Cd(II) and phosphate on Al ₁₃ pillared montmorillonite. <i>RSC Advances</i> , 2015, 5, 77227-77234.	3.6	39
137	The structure of montmorillonites modified with zwitterionic surfactants and their sorption ability. <i>Mineralogy and Petrology</i> , 2015, 109, 349-355.	1.1	10
138	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
139	From spent Mg/Al layered double hydroxide to porous carbon materials. <i>Journal of Hazardous Materials</i> , 2015, 300, 572-580.	12.4	28
140	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
141	Natural Magnetite: an efficient catalyst for the degradation of organic contaminant. <i>Scientific Reports</i> , 2015, 5, 10139.	3.3	55
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