Jianxi Zhu

List of Publications by Citations

301 papers	11,631 citations	57 h-index	92 g-index
312 ext. papers	13,430 ext. citations	6.4 avg, IF	6.54 L-index

#	Paper	IF	Citations
301	Montmorillonite-supported magnetite nanoparticles for the removal of hexavalent chromium [Cr(VI)] from aqueous solutions. *Journal of Hazardous Materials*, **2009**, 166, 821-9	12.8	403
300	Strategies for enhancing the heterogeneous Fenton catalytic reactivity: A review. *Applied Catalysis B: Environmental*, **2019**, 255, 117739	21.8	369
299	Removal of hexavalent chromium [Cr(VI)] from aqueous solutions by the diatomite-supported/unsupported magnetite nanoparticles. *Journal of Hazardous Materials*, **2010**, 173, 614-21	12.8	294
298	Adsorbents based on montmorillonite for contaminant removal from water: A review. *Applied Clay Science*, **2016**, 123, 239-258	5.2	265
297	Organoclays prepared from montmorillonites with different cation exchange capacity and surfactant configuration. *Applied Clay Science*, **2010**, 48, 67-72	5.2	205
296	Clay-supported nanoscale zero-valent iron composite materials for the remediation of contaminated aqueous solutions: A review. *Chemical Engineering Journal*, **2017**, 312, 336-350	14.7	189
295	Thermal Characterization of Surfactant-Modified Montmorillonites. *Clays and Clay Minerals*, **2005**, 53, 287-293	2.1	176
294	Retention of inorganic oxyanions by organo-kaolinite. *Water Research*, **2001**, 35, 3771-6	12.5	161
293	Decolorization of methylene blue by heterogeneous Fenton reaction using Fe3□TixO4 (0□□.78) at neutral pH values. *Applied Catalysis B: Environmental*, **2009**, 89, 527-535	21.8	156
292	Characterization of organic phases in the interlayer of montmorillonite using FTIR and 13C NMR. *Journal of Colloid and Interface Science*, **2005**, 286, 239-44	9.3	149
291	Sorption of Perchloroethylene by Surfactant-Modified Zeolite as Controlled by Surfactant Loading. *Environmental Science & Technology*, **1998**, 32, 2278-2282	10.3	149
290	A combined study by XRD, FTIR, TG and HRTEM on the structure of delaminated Fe-intercalated/pillared clay. *Journal of Colloid and Interface Science*, **2008**, 324, 142-9	9.3	148
289	Sorption of Ionizable Organic Solutes by Surfactant-Modified Zeolite. *Environmental Science & Technology*, **2000**, 34, 3756-3760	10.3	138
288	Heterogeneous UV/Fenton degradation of TBBPA catalyzed by titanomagnetite: catalyst characterization, performance and degradation products. *Water Research*, **2012**, 46, 4633-44	12.5	137
287	Adsorption of ammonium by different natural clay minerals: Characterization, kinetics and adsorption isotherms. *Applied Clay Science*, **2018**, 159, 83-93	5.2	133
286	Microstructure of HDTMA+-modified montmorillonite and its influence on sorption characteristics. *Clays and Clay Minerals*, **2006**, 54, 689-696	2.1	132
285	Adsorption of ciprofloxacin on 2:1 dioctahedral clay minerals. *Applied Clay Science*, **2011**, 53, 723-728	5.2	129

284	Mechanisms for the enhanced photo-Fenton activity of ferrihydrite modified with BiVO4 at neutral pH. *Applied Catalysis B: Environmental*, **2017**, 212, 50-58	21.8	117
283	FTIR investigation of CTAB-Al-montmorillonite complexes. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2007**, 67, 1030-6	4.4	115
282	Heterogeneous photo-Fenton degradation of bisphenol A over Ag/AgCl/ferrihydrite catalysts under visible light. *Chemical Engineering Journal*, **2018**, 346, 567-577	14.7	113
281	Synthesis of organoclays: A critical review and some unresolved issues. *Applied Clay Science*, **2014**, 100, 22-28	5.2	111
280	Effect of Mn substitution on the promoted formaldehyde oxidation over spinel ferrite: Catalyst characterization, performance and reaction mechanism. *Applied Catalysis B: Environmental*, **2016**, 182, 476-484	21.8	109
279	An FTIR investigation of hexadecyltrimethylammonium intercalation into rectorite. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 71, 1525-34	4.4	109
278	Quantitative characterization of the solid acidity of montmorillonite using combined FTIR and TPD based on the NH3 adsorption system. *Applied Clay Science*, **2013**, 80-81, 407-412	5.2	107
277	Quantification of crop residue burning in the field and its influence on ambient air quality in Suqian, China. *Atmospheric Environment*, **2008**, 42, 1961-1969	5.3	107
276	Silylation of clay mineral surfaces. *Applied Clay Science*, **2013**, 71, 15-20	5.2	106
275	Long-Term Chemical and Biological Stability of Surfactant-Modified Zeolite. *Environmental Science & Technology*, **1998**, 32, 2628-2632	10.3	103
274	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. *Applied Catalysis B: Environmental*, **2014**, 150-151, 612-618	21.8	100
273	Heterogeneous activation of Oxone by substituted magnetites Fe3□MxO4 (Cr, Mn, Co, Ni) for degradation of Acid Orange II at neutral pH. *Journal of Molecular Catalysis A*, **2015**, 398, 86-94		98
272	Synthesis and characterization of delaminated iron-pillared clay with meso□microporous structure. *Microporous and Mesoporous Materials*, **2006**, 88, 8-15	5.3	96
271	The application of chromium substituted magnetite as heterogeneous Fenton catalyst for the degradation of aqueous cationic and anionic dyes. *Chemical Engineering Journal*, **2012**, 191, 177-184	14.7	95
270	Conformation of Surfactant Molecules in the Interlayer of Montmorillonite Studied by 13C MAS NMR. *Clays and Clay Minerals*, **2004**, 52, 350-356	2.1	94
269	The decolorization of Acid Orange II in non-homogeneous Fenton reaction catalyzed by natural vanadium-titanium magnetite. *Journal of Hazardous Materials*, **2010**, 181, 112-20	12.8	93
268	Grafting of montmorillonite with different functional silanes via two different reaction systems. *Journal of Colloid and Interface Science*, **2007**, 313, 268-73	9.3	92
267	Mechanism of methylene blue removal from water by swelling clays. *Chemical Engineering Journal*, **2011**, 168, 1193-1200	14.7	90

266	Effect of reaction temperature on grafting of □aminopropyl triethoxysilane (APTES) onto kaolinite. *Applied Clay Science*, **2012**, 62-63, 8-14	5.2	87
265	The remarkable effect of vanadium doping on the adsorption and catalytic activity of magnetite in the decolorization of methylene blue. *Applied Catalysis B: Environmental*, **2010**, 97, 151-159	21.8	87
264	Adsorption of phenol and Cu(II) onto cationic and zwitterionic surfactant modified montmorillonite in single and binary systems. *Chemical Engineering Journal*, **2016**, 283, 880-888	14.7	84
263	Functionalized layered double hydroxides for innovative applications. *Materials Horizons*, **2020**, 7, 715-745	14.4	84
262	Co-adsorption of phosphate and zinc(II) on the surface of ferrihydrite. *Chemosphere*, **2016**, 144, 1148-55	8.4	83
261	Visible-light Ag/AgBr/ferrihydrite catalyst with enhanced heterogeneous photo-Fenton reactivity via electron transfer from Ag/AgBr to ferrihydrite. *Applied Catalysis B: Environmental*, **2018**, 239, 280-289	21.8	83
260	Adsorption of Cr(VI) on STAC-modified rectorite. *Applied Clay Science*, **2008**, 42, 292-299	5.2	82
259	The contribution of vanadium and titanium on improving methylene blue decolorization through heterogeneous UV-Fenton reaction catalyzed by their co-doped magnetite. *Journal of Hazardous Materials*, **2012**, 199-200, 247-54	12.8	80
258	Infrared investigation of organo-montmorillonites prepared from different surfactants. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2010**, 76, 122-9	4.4	78
257	Novel carbon based Fe-Co oxides derived from Prussian blue analogues activating peroxymonosulfate: Refractory drugs degradation without metal leaching. *Chemical Engineering Journal*, **2020**, 379, 122274	14.7	78
256	Sorption of Chromate and PCE by Surfactant-Modified Clay Minerals. *Environmental Engineering Science*, **1998**, 15, 237-245	2	73
255	Mechanism of p-nitrophenol adsorption from aqueous solution by HDTMA+-pillared montmorillonite--implications for water purification. *Journal of Hazardous Materials*, **2008**, 154, 1025-32	12.8	73
254	Facile preparation of hierarchically porous carbon using diatomite as both template and catalyst and methylene blue adsorption of carbon products. *Journal of Colloid and Interface Science*, **2012**, 388, 176-84	9.3	69
253	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. *Applied Catalysis B: Environmental*, **2020**, 270, 118891	21.8	68
252	Surface configuration of sorbed hexadecyltrimethylammonium on kaolinite as indicated by surfactant and counterion sorption, cation desorption, and FTIR. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 264, 61-67	5.1	66
251	Investigation on the delaminated-pillared structure of TiO2-PILC synthesized by TiCl4 hydrolysis method. *Microporous and Mesoporous Materials*, **2006**, 93, 240-247	5.3	62
250	The valence and site occupancy of substituting metals in magnetite spinel structure Fe3□MxO4 (M□=□Cr, Mn, Co and Ni) and their influence on thermal stability: An XANES and TG-DSC investigation. *Solid State Sciences*, **2013**, 15, 115-122	3.4	59
249	A comparative study about the effects of isomorphous substitution of transition metals (Ti, Cr, Mn, Co and Ni) on the UV/Fenton catalytic activity of magnetite. *Journal of Molecular Catalysis A*, **2013**, 372, 29-34		58

248	Influence of heating on the solid acidity of montmorillonite: A combined study by DRIFT and Hammett indicators. *Applied Clay Science*, **2011**, 52, 358-363	5.2	58
247	Nanomaterials based upon silylated layered double hydroxides. *Applied Surface Science*, **2009**, 255, 4334-4340	6.7	58
246	Regeneration of spent organoclays after the sorption of organic pollutants: A review. *Journal of Environmental Management*, **2009**, 90, 3212-6	7.9	58
245	miR-139-5p Represses BMSC Osteogenesis via Targeting Wnt/β-Catenin Signaling Pathway. *DNA and Cell Biology*, **2017**, 36, 715-724	3.6	57
244	In situ synthesis of surfactant/silane-modified hydrotalcites. *Journal of Colloid and Interface Science*, **2008**, 319, 498-504	9.3	57
243	Nanocomposite of exfoliated bentonite/g-C3N4/Ag3PO4 for enhanced visible-light photocatalytic decomposition of Rhodamine B. *Chemosphere*, **2016**, 162, 269-76	8.4	55
242	Simultaneous sorption of crystal violet and 2-naphthol to bentonite with different CECs. *Journal of Hazardous Materials*, **2009**, 166, 195-9	12.8	55
241	Structure of cetyltrimethylammonium intercalated hydrobiotite. *Applied Clay Science*, **2008**, 42, 224-231	5.2	55
240	29Si and 27Al MAS NMR spectra of mullites from different kaolinites. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2004**, 60, 1061-4	4.4	55
239	Preparation and characterization of zwitterionic surfactant-modified montmorillonites. *Journal of Colloid and Interface Science*, **2011**, 360, 386-92	9.3	54
238	Silylation of montmorillonite surfaces: dependence on solvent nature. *Journal of Colloid and Interface Science*, **2013**, 391, 16-20	9.3	52
237	Arrangement models of alkylammonium cations in the interlayer of HDTMA+ pillared montmorillonites. *Science Bulletin*, **2003**, 48, 368-372		52
236	Self-templating synthesis of silicon nanorods from natural sepiolite for high-performance lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2018**, 6, 6356-6362	13	51
235	Sorption and retention of diclofenac on zeolite in the presence of cationic surfactant. *Journal of Hazardous Materials*, **2017**, 323, 584-592	12.8	51
234	Sorption of naphthalene and phosphate to the CTMAB-Al13 intercalated bentonites. *Journal of Hazardous Materials*, **2009**, 168, 1590-4	12.8	51
233	Degradation of Methylene Blue by Heterogeneous Fenton Reaction Using Titanomagnetite at Neutral pH Values: Process and Affecting Factors. *Industrial & Engineering Chemistry Research*, **2009**, 48, 9915-9921	3.9	51
232	Effects of complexation between organic matter (OM) and clay mineral on OM pyrolysis. *Geochimica Et Cosmochimica Acta*, **2017**, 212, 1-15	5.5	50
231	Plasmonic Ag coated Zn/Ti-LDH with excellent photocatalytic activity. *Applied Surface Science*, **2018**, 433, 458-467	6.7	50

230	The effect of transition metal substitution on the catalytic activity of magnetite in heterogeneous Fenton reaction: In interfacial view. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* , **2013**, 435, 28-35	5.1	49
229	PI3K/Akt-independent negative regulation of JNK signaling by MKP-7 after cerebral ischemia in rat hippocampus. *BMC Neuroscience*, **2013**, 14, 1	3.2	48
228	Hydration of methane intercalated in Na-smectites with distinct layer charge: insights from molecular simulations. *Journal of Colloid and Interface Science*, **2011**, 355, 237-42	9.3	47
227	Regeneration of surfactant-modified zeolite after saturation with chromate and perchloroethylene. *Water Research*, **2001**, 35, 322-6	12.5	47
226	Extending surfactant-modified 2:1 clay minerals for the uptake and removal of diclofenac from water. *Journal of Hazardous Materials*, **2017**, 323, 567-574	12.8	46
225	Natural Magnetite: an efficient catalyst for the degradation of organic contaminant. *Scientific Reports*, **2015**, 5, 10139	4.9	46
224	The catalytic oxidation of formaldehyde over palygorskite-supported copper and manganese oxides: Catalytic deactivation and regeneration. *Applied Surface Science*, **2019**, 464, 287-293	6.7	46
223	Effect of acid activation of palygorskite on their toluene adsorption behaviors. *Applied Clay Science*, **2018**, 159, 60-67	5.2	45
222	Surface silylation of natural mesoporous/macroporous diatomite for adsorption of benzene. *Journal of Colloid and Interface Science*, **2015**, 448, 545-52	9.3	45
221	Microstructure and process of intercalation of imidazolium ionic liquids into montmorillonite. *Chemical Engineering Journal*, **2014**, 236, 306-313	14.7	44
220	An efficient catalyst of manganese supported on diatomite for toluene oxidation: Manganese species, catalytic performance, and structure-activity relationship. *Microporous and Mesoporous Materials*, **2017**, 239, 101-110	5.3	44
219	Core□hell structured iron nanoparticles well dispersed on montmorillonite. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 3515-3519	2.8	43
218	Preparation and characterization of anion-cation surfactants modified montmorillonite. *Journal of Thermal Analysis and Calorimetry*, **2008**, 94, 841-848	4.1	43
217	Locking effect: A novel insight in the silylation of montmorillonite surfaces. *Materials Chemistry and Physics*, **2012**, 136, 292-295	4.4	42
216	Effect of surfactant concentration on the stacking modes of organo-silylated layered double hydroxides. *Applied Clay Science*, **2009**, 45, 262-269	5.2	42
215	29Si and 27Al MAS NMR study of the thermal transformations of kaolinite from North China. *Clay Minerals*, **2003**, 38, 551-559	1.3	42
214	Synergistic adsorption of Cd(II) with sulfate/phosphate on ferrihydrite: An in situ ATR-FTIR/2D-COS study. *Chemical Geology*, **2018**, 477, 12-21	4.2	42
213	A novel luminescence probe based on layered double hydroxides loaded with quantum dots for simultaneous detection of heavy metal ions in water. *Journal of Materials Chemistry C*, **2017**, 5, 5024-5030	7.1	40

212	Montmorillonite as a multifunctional adsorbent can simultaneously remove crystal violet, cetyltrimethylammonium, and 2-naphthol from water. *Applied Clay Science*, **2014**, 88-89, 33-38	5.2	40
211	Efficiency of Fe□montmorillonite on the removal of Rhodamine B and hexavalent chromium from aqueous solution. *Applied Clay Science*, **2016**, 120, 9-15	5.2	39
210	Microstructure of organo-bentonites in water and the effect of steric hindrance on the uptake of organic compounds. *Clays and Clay Minerals*, **2008**, 56, 144-154	2.1	39
209	Layered intercalation compounds: Mechanisms, new methodologies, and advanced applications. *Progress in Materials Science*, **2020**, 109, 100631	42.2	39
208	Performance of Ti-pillared montmorillonite supported Fe catalysts for toluene oxidation: The effect of Fe on catalytic activity. *Applied Clay Science*, **2016**, 132-133, 96-104	5.2	38
207	Silylated pillared clay (SPILC): A novel bentonite-based inorgano-organo composite sorbent synthesized by integration of pillaring and silylation. *Journal of Colloid and Interface Science*, **2007**, 315, 191-9	9.3	38
206	Synergetic effect of Cu and Mn oxides supported on palygorskite for the catalytic oxidation of formaldehyde: Dispersion, microstructure, and catalytic performance. *Applied Clay Science*, **2018**, 161, 265-273	5.2	37
205	Adsorption of REEs on kaolinite and halloysite: A link to the REE distribution on clays in the weathering crust of granite. *Chemical Geology*, **2019**, 525, 210-217	4.2	36
204	Thermal degradation of organic matter in the interlayer clay□rganic complex: A TG-FTIR study on a montmorillonite/12-aminolauric acid system. *Applied Clay Science*, **2013**, 80-81, 398-406	5.2	36
203	Mechanism of chlorpheniramine adsorption on Ca-montmorillonite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 385, 213-218	5.1	36
202	Mineralogy and Origin of Exsolution In Ti-Rich Magnetite From Different Magmatic Fe-Ti Oxide-Bearing Intrusions. *Canadian Mineralogist*, **2016**, 54, 539-553	0.7	36
201	Surface chemistry and reactivity of SiO2 polymorphs: A comparative study on □quartz and □cristobalite. *Applied Surface Science*, **2015**, 355, 1161-1167	6.7	35
200	The distinct effects of Mn substitution on the reactivity of magnetite in heterogeneous Fenton reaction and Pb(II) adsorption. *Journal of Colloid and Interface Science*, **2014**, 426, 181-9	9.3	35
199	Novel polymer/surfactant modified montmorillonite hybrids and the implications for the treatment of hydrophobic organic compounds in wastewaters. *Applied Clay Science*, **2011**, 51, 317-322	5.2	35
198	Structure of surfactant□lay complexes and their sorptive characteristics toward HOCs. *Separation and Purification Technology*, **2008**, 63, 156-162	8.3	35
197	Understanding the role of natural clay minerals as effective adsorbents and alternative source of rare earth elements: Adsorption operative parameters. *Hydrometallurgy*, **2019**, 185, 149-161	4	35
196	Novel intercalation mechanism of zwitterionic surfactant modified montmorillonites. *Applied Clay Science*, **2017**, 141, 265-271	5.2	34
195	Simultaneous adsorption of Cd(II) and phosphate on Al13 pillared montmorillonite. *RSC Advances*, **2015**, 5, 77227-77234	3.7	34

194	Silylation of layered double hydroxidesvia an induced hydrolysis method. *Journal of Materials Chemistry*, **2011**, 21, 10711		34
193	Blockage of ceramide metabolism exacerbates palmitate inhibition of pro-insulin gene expression in pancreatic beta-cells. *Molecular and Cellular Biochemistry*, **2010**, 338, 283-90	4.2	34
192	Raman spectroscopic study of organo-montmorillonites. *Journal of Raman Spectroscopy*, **2004**, 35, 316-323	2.3	34
191	Adsorption of phenol, phosphate and Cd(II) by inorganic□organic montmorillonites: A comparative study of single and multiple solute. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* , **2016**, 497, 63-71	5.1	33
190	Synthesis and infrared spectroscopic characterization of selected layered double hydroxides containing divalent Ni and Co. *Materials Chemistry and Physics*, **2008**, 112, 869-875	4.4	33
189	Preparation of surface-functionalized porous clay heterostructures via carbonization of soft-template and their adsorption performance for toluene. *Applied Surface Science*, **2016**, 363, 113-121	6.7	32
188	From used montmorillonite to carbon monolayer□montmorillonite nanocomposites. *Applied Clay Science*, **2014**, 100, 112-117	5.2	32
187	Synthesis, characterization and size control of zerovalent iron nanoparticles anchored on montmorillonite. *Science Bulletin*, **2010**, 55, 1092-1099		32
186	Arrangement, conformation, and mobility of surfactant molecules intercalated in montmorillonite prepared at different pillaring reagent concentrations as studied by solid-state NMR spectroscopy. *Journal of Colloid and Interface Science*, **2006**, 299, 754-60	9.3	32
185	Keggin-Al 30 pillared montmorillonite. *Microporous and Mesoporous Materials*, **2017**, 242, 256-263	5.3	31
184	Visible light assisted Fenton-like degradation of Orange II on Ni 3 Fe/Fe 3 O 4 magnetic catalyst prepared from spent FeNi layered double hydroxide. *Journal of Molecular Catalysis A*, **2016**, 415, 9-16		31
183	The influence of alkyl chain length on surfactant distribution within organo-montmorillonites and their thermal stability. *Journal of Thermal Analysis and Calorimetry*, **2012**, 109, 301-309	4.1	31
182	In situ synthesis of a silicon flake/nitrogen-doped graphene-like carbon composite from organoclay for high-performance lithium-ion battery anodes. *Chemical Communications*, **2019**, 55, 2644-2647	5.8	30
181	Surface structure-dependent pyrite oxidation in relatively dry and moist air: Implications for the reaction mechanism and sulfur evolution. *Geochimica Et Cosmochimica Acta*, **2018**, 228, 259-274	5.5	30
180	Surface Heterogeneity of SiO2 Polymorphs: An XPS Investigation of □Quartz and □Cristobalite. *Journal of Physical Chemistry C*, **2014**, 118, 26249-26257	3.8	30
179	Influences of thermal pretreatment temperature and solvent on the organosilane modification of Al13-intercalated/Al-pillared montmorillonite. *Applied Clay Science*, **2010**, 50, 546-553	5.2	30
178	Oxyanion Sorption and Surface Anion Exchange by Surfactant-Modified Clay Minerals. *Journal of Environmental Quality*, **1999**, 28, 1457-1463	3.4	30
177	Bisphenol A degradation by a new acidic nano zero-valent iron diatomite composite. *Catalysis Science and Technology*, **2016**, 6, 6066-6075	5.5	30

176	Ag3PO4 immobilized on hydroxy-metal pillared montmorillonite for the visible light driven degradation of acid red 18. *Catalysis Science and Technology*, **2016**, 6, 4116-4123	5.5	29
175	Modification of a Ca-montmorillonite with ionic liquids and its application for chromate removal. *Journal of Hazardous Materials*, **2014**, 270, 169-75	12.8	29
174	Investigation of water adsorption and hygroscopicity of atmospherically relevant particles using a commercial vapor sorption analyzer. *Atmospheric Measurement Techniques*, **2017**, 10, 3821-3832	4	28
173	The variation of cationic microstructure in Mn-doped spinel ferrite during calcination and its effect on formaldehyde catalytic oxidation. *Journal of Hazardous Materials*, **2016**, 306, 305-312	12.8	28
172	A thermogravimetric investigation of alkylammonium intercalation into rectorite. *Thermochimica Acta*, **2009**, 483, 58-65	2.9	28
171	Silylation of layered double hydroxides via a calcination-rehydration route. *Langmuir*, **2010**, 26, 2769-73	4	28
170	Synthesis and characterization of antibacterial compounds using montmorillonite and chlorhexidine acetate. *Journal of Thermal Analysis and Calorimetry*, **2007**, 89, 847-852	4.1	28
169	Ionic-liquid-crafted zeolite for the removal of anionic dye methyl orange. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 59, 237-243	5.3	27
168	Templated synthesis of nitrogen-doped graphene-like carbon materials using spent montmorillonite. *RSC Advances*, **2015**, 5, 7522-7528	3.7	27
167	Mechanisms on the morphology variation of hematite crystals by Al substitution: The modification of Fe and O reticular densities. *Scientific Reports*, **2016**, 6, 35960	4.9	27
166	Organokaolin for the uptake of pharmaceuticals diclofenac and chloramphenicol from water. *Chemical Engineering Journal*, **2017**, 330, 1128-1136	14.7	27
165	Influence of interlayer species on the thermal characteristics of montmorillonite. *Applied Clay Science*, **2017**, 135, 129-135	5.2	26
164	Facile synthesis of nitrogen and sulfur co-doped graphene-like carbon materials using methyl blue/montmorillonite composites. *Microporous and Mesoporous Materials*, **2016**, 225, 137-143	5.3	26
163	Adsorption isotherm, mechanism, and geometry of Pb(II) on magnetites substituted with transition metals. *Chemical Geology*, **2017**, 470, 132-140	4.2	26
162	Surface microtopography of surfactant modified montmorillonite. *Applied Clay Science*, **2009**, 45, 70-75	5.2	26
161	Expansion characteristics of organo montmorillonites during the intercalation, aging, drying and rehydration processes: Effect of surfactant/CEC ratio. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 384, 401-407	5.1	26
160	Adsorption of Low-Concentration Ammonium Onto Vermiculite from Hebei Province, China. *Clays and Clay Minerals*, **2011**, 59, 459-465	2.1	26
159	Structural and sorptive characteristics of the cetyltrimethylammonium and polyacrylamide modified bentonite. *Chemical Engineering Journal*, **2010**, 160, 220-225	14.7	26

158	Modification of clays and zeolites by ionic liquids for the uptake of chloramphenicol from water. *Chemical Engineering Journal*, **2017**, 313, 336-344	14.7	25
157	From spent Mg/Al layered double hydroxide to porous carbon materials. *Journal of Hazardous Materials*, **2015**, 300, 572-580	12.8	25
156	Organo-Clays As Sorbents of Hydrophobic Organic Contaminants: Sorptive Characteristics and Approaches to Enhancing Sorption Capacity. *Clays and Clay Minerals*, **2015**, 63, 199-221	2.1	25
155	Calcined Mg/Al-LDH for acidic wastewater treatment: Simultaneous neutralization and contaminant removal. *Applied Clay Science*, **2018**, 153, 46-53	5.2	25
154	In Situ Emergency Disposal of Liquid Mercury Leakage by Fe-Containing Sphalerite: Performance and Reaction Mechanism. *Industrial & Engineering Chemistry Research*, **2017**, 56, 153-160	3.9	24
153	Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles.. *RSC Advances*, **2018**, 8, 7687-7696	3.7	24
152	Oxalate enhanced degradation of Orange II in heterogeneous UV-Fenton system catalyzed by FeO@FeO composite. *Chemosphere*, **2018**, 199, 147-153	8.4	24
151	Structure and dynamic properties of water saturated CTMA-montmorillonite: molecular dynamics simulations. *Applied Clay Science*, **2014**, 97-98, 62-71	5.2	24
150	Effects of inherent/enhanced solid acidity and morphology of diatomite templates on the synthesis and porosity of hierarchically porous carbon. *Langmuir*, **2010**, 26, 18624-7	4	24
149	Co-Sorption of Cd and Phosphate on the Surface of a Synthetic Hydroxyiron-Montmorillonite Complex. *Clays and Clay Minerals*, **2014**, 62, 79-88	2.1	23
148	Enhanced photocatalytic activity of Zn/Ti-LDH via hybridizing with C60. *Molecular Catalysis*, **2017**, 427, 54-61	3.3	23
147	Degradation of 2,4-dichlorophenol using palygorskite-supported bimetallic Fe/Ni nanocomposite as a heterogeneous catalyst. *Applied Clay Science*, **2019**, 168, 276-286	5.2	23
146	Fabrication of Fe-doped birnessite with tunable electron spin magnetic moments for the degradation of tetracycline under microwave irradiation. *Journal of Hazardous Materials*, **2017**, 338, 428-436	12.8	22
145	Silylation of Al13-intercalated montmorillonite with trimethylchlorosilane and their adsorption for Orange II. *Applied Clay Science*, **2014**, 99, 229-236	5.2	22
144	Thermal analysis evidence for the location of zwitterionic surfactant on clay minerals. *Applied Clay Science*, **2015**, 112-113, 62-67	5.2	21
143	Aluminum ion occupancy in the structure of synthetic saponites: Effect on crystallinity. *American Mineralogist*, **2014**, 99, 109-116	2.9	21
142	Preparation and characterization of 3-aminopropyltriethoxysilane grafted montmorillonite and acid-activated montmorillonite. *Science Bulletin*, **2009**, 54, 265-271	10.6	21
141	A shift in pathway of iron-mediated perchloroethylene reduction in the presence of sorbed surfactant--a column study. *Water Research*, **2006**, 40, 3811-9	12.5	21

140	Clay minerals derived nanostructured silicon with various morphology: Controlled synthesis, structural evolution, and enhanced lithium storage properties. *Journal of Power Sources*, **2018**, 405, 61-69	8.9	21
139	Reduction removal of hexavalent chromium by zinc-substituted magnetite coupled with aqueous Fe(II) at neutral pH value. *Journal of Colloid and Interface Science*, **2017**, 500, 20-29	9.3	20
138	The enhanced method of hydroxyl radical generation in the heterogeneous UV-Fenton system with □FeOOH as catalyst. *Separation and Purification Technology*, **2018**, 200, 36-43	8.3	20
137	The distinct effects of substitution and deposition of Ag in perovskite LaCoO3 on the thermally catalytic oxidation of toluene. *Applied Surface Science*, **2019**, 489, 905-912	6.7	19
136	Fullerol modification ferrihydrite for the degradation of acid red 18 under simulated sunlight irradiation. *Journal of Molecular Catalysis A*, **2016**, 424, 393-401		19
135	BiVO4/Fe/Mt composite for visible-light-driven degradation of acid red 18. *Applied Clay Science*, **2016**, 129, 27-34	5.2	19
134	Synthesis and characterization of Mn intercalated Mg-Al hydrotalcite. *Journal of Colloid and Interface Science*, **2016**, 479, 115-120	9.3	19
133	A new insight into the compositional and structural control of porous clay heterostructures from the perspective of NMR and TEM. *Microporous and Mesoporous Materials*, **2016**, 224, 285-293	5.3	19
132	Converting Spent Cu/Fe Layered Double Hydroxide into Cr(VI) Reductant and Porous Carbon Material. *Scientific Reports*, **2017**, 7, 7277	4.9	19
131	Sequestration of heavy metal cations on montmorillonite by thermal treatment. *Applied Clay Science*, **2015**, 107, 90-97	5.2	19
130	Enhancing the sorption capacity of CTMA-bentonite by simultaneous intercalation of cationic polyacrylamide. *Journal of Hazardous Materials*, **2010**, 178, 1078-84	12.8	19
129	Morphology controllable syntheses of micro- and nano-iron pyrite mono- and poly-crystals: a review. *RSC Advances*, **2016**, 6, 31988-31999	3.7	19
128	Modelling the effects of surfactant loading level on the sorption of organic contaminants on organoclays. *RSC Advances*, **2015**, 5, 47022-47030	3.7	18
127	Interlayer Structure and Dynamics of HDTMA+-Intercalated Rectorite with and without Water: A Molecular Dynamics Study. *Journal of Physical Chemistry C*, **2012**, 116, 13071-13078	3.8	18
126	Application of linear free energy relationships to characterizing the sorptive characteristics of organic contaminants on organoclays from water. *Journal of Hazardous Materials*, **2012**, 233-234, 228-34	12.8	18
125	Interlayer conformations of intercalated dodecyltrimethylammonium in rectorite as determined by FTIR, XRD, and TG analyses. *Clays and Clay Minerals*, **2009**, 57, 194-204	2.1	18
124	Superior thermal stability of Keggin-Al 30 pillared montmorillonite: A comparative study with Keggin-Al 13 pillared montmorillonite. *Microporous and Mesoporous Materials*, **2018**, 265, 104-111	5.3	17
123	The influence of substituting metals (Ti, V, Cr, Mn, Co and Ni) on the thermal stability of magnetite. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 1317-1324	4.1	17

122	Thermal decomposition of silylated layered double hydroxides. *Journal of Thermal Analysis and Calorimetry*, **2010**, 101, 153-159	4.1	17
121	Arrangement Models of Keggin-Al and Keggin-Al in the Interlayer of Montmorillonite and the Impacts of Pillaring on Surface Acidity: A Comparative Study on Catalytic Oxidation of Toluene. *Langmuir*, **2019**, 35, 382-390	4	17
120	The non-micellar template model for porous clay heterostructures: A perspective from the layer charge of base clay. *Applied Clay Science*, **2015**, 116-117, 102-110	5.2	16
119	The oxidation state and microstructural environment of transition metals (V, Co, and Ni) in magnetite: an XAFS study. *Physics and Chemistry of Minerals*, **2015**, 42, 373-383	1.6	15
118	Restricting layer collapse enhances the adsorption capacity of reduced-charge organoclays. *Applied Clay Science*, **2014**, 88-89, 73-77	5.2	15
117	Controllable adjustment of the crystal symmetry of KMnO2 and its influence on the frequency of microwave absorption. *RSC Advances*, **2016**, 6, 58844-58853	3.7	15
116	The mechanism of defect induced hydroxylation on pyrite surfaces and implications for hydroxyl radical generation in prebiotic chemistry. *Geochimica Et Cosmochimica Acta*, **2019**, 244, 163-172	5.5	15
115	Sequestration of Gaseous Hg0 by Sphalerite with Fe Substitution: Performance, Mechanism, and Structure–Activity Relationship. *Journal of Physical Chemistry C*, **2019**, 123, 2828-2836	3.8	14
114	From natural clay minerals to porous silicon nanoparticles. *Microporous and Mesoporous Materials*, **2018**, 260, 76-83	5.3	14
113	Jumping Diffusion of Water Intercalated in Layered Double Hydroxides. *Journal of Physical Chemistry C*, **2016**, 120, 12924-12931	3.8	14
112	The structural change of vermiculite during dehydration processes: A real-time in-situ XRD method. *Applied Clay Science*, **2019**, 183, 105332	5.2	14
111	Effects of solid acidity of clay minerals on the thermal decomposition of 12-aminolauric acid. *Journal of Thermal Analysis and Calorimetry*, **2013**, 114, 125-130	4.1	14
110	A novel multifunctional adsorbent synthesized by modifying acidified organo-montmorillonite with iron hydroxides. *Applied Clay Science*, **2020**, 185, 105420	5.2	14
109	Coupling between clay swelling/collapse and cationic partition. *Geochimica Et Cosmochimica Acta*, **2020**, 285, 78-99	5.5	14
108	Zwitterionic dye rhodamine B (RhB) uptake on different types of clay minerals. *Applied Clay Science*, **2020**, 197, 105790	5.2	14
107	TiO/Schwertmannite nanocomposites as superior co-catalysts in heterogeneous photo-Fenton process. *Journal of Environmental Sciences*, **2019**, 80, 208-217	6.4	14
106	Conversion of serpentine to smectite under hydrothermal condition: Implication for solid-state transformation. *American Mineralogist*, **2018**, 103, 241-251	2.9	14
105	Facile surface improvement of LaCoO3 perovskite with high activity and water resistance towards toluene oxidation: Ca substitution and citric acid etching. *Catalysis Science and Technology*, **2020**, 10, 5829-5839	5.5	13

104	Tunable high-performance microwave absorption for manganese dioxides by one-step Co doping modification. *Scientific Reports*, **2016**, 6, 37400	4.9	13
103	Influences of Cation Ratio, Anion Type, and Water Content on Polytypism of Layered Double Hydroxides. *Inorganic Chemistry*, **2018**, 57, 7299-7313	5.1	13
102	Keggin-Al30: An intercalant for Keggin-Al30 pillared montmorillonite. *Applied Clay Science*, **2019**, 180, 105203	5.2	13
101	Transformation of halloysite and kaolinite into beidellite under hydrothermal condition. *American Mineralogist*, **2017**, 102, 997-1005	2.9	13
100	Efficacy and safety of tranexamic acid in total hip replacement: A PRISMA-compliant meta-analysis of 25 randomized controlled trials. *Medicine (United States)*, **2017**, 96, e9552	1.8	13
99	In situ sequentially generation of acid and ferrous ions for environmental remediation. *Chemical Engineering Journal*, **2016**, 302, 223-232	14.7	13
98	Fullerene modification of Ag3PO4 for the visible-light-driven degradation of acid red 18. *RSC Advances*, **2016**, 6, 85962-85969	3.7	13
97	Metal occupancy and its influence on thermal stability of synthetic saponites. *Applied Clay Science*, **2017**, 135, 282-288	5.2	12
96	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. *Physics and Chemistry of Minerals*, **2013**, 40, 479-489	1.6	12
95	Molecular simulation study of hydrated Na-rectorite. *Langmuir*, **2015**, 31, 2008-13	4	12
94	Investigation of structure and thermal stability of surfactant-modified Al-pillared montmorillonite. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 219-225	4.1	12
93	Insight into the effect of manganese substitution on mesoporous hollow spinel cobalt oxides for catalytic oxidation of toluene. *Journal of Colloid and Interface Science*, **2021**, 594, 713-726	9.3	12
92	Impact of tetracycline-clay interactions on bacterial growth. *Journal of Hazardous Materials*, **2019**, 370, 91-97	12.8	12
91	The significant effect of photo-catalyzed redox reactions on the immobilization of chromium by hematite. *Chemical Geology*, **2019**, 524, 228-236	4.2	11
90	Activity of manganese oxides supported on halloysite towards the thermal catalytic oxidation of formaldehyde: Constraint from the manganese precursor. *Applied Clay Science*, **2019**, 182, 105280	5.2	11
89	Removal of Chlorpheniramine from Water by Birnessite. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	11
88	Crystal habit-directed gold deposition on pyrite: Surface chemical interpretation of the pyrite morphology indicative of gold enrichment. *Geochimica Et Cosmochimica Acta*, **2019**, 264, 191-204	5.5	10
87	Kinetics and mechanisms of the interaction between the calcite (10.4) surface and Cu-bearing solutions. *Science of the Total Environment*, **2019**, 668, 602-616	10.2	10

86	Mechanisms of Cu, triethylenetetramine (TETA), and Cu-TETA sorption on rectorite and its use for metal removal via metal-TETA complexation. *Journal of Hazardous Materials*, **2019**, 373, 187-196	12.8	10
85	Effects of charge density on the hydration of siloxane surface of montmorillonite: A molecular dynamics simulation study. *Applied Clay Science*, **2018**, 159, 10-15	5.2	10
84	Intercalation and configurations of organic dye acridine orange in a high-charge montmorillonite as influenced by dye loading. *Desalination and Water Treatment*, **2014**, 52, 7323-7331		10
83	Arrangement models of alkylammonium cations in the inter-layer of HDTMA+ pillared montmorillonites. *Science Bulletin*, **2003**, 48, 368		10
82	On mineral dust aerosol hygroscopicity. *Atmospheric Chemistry and Physics*, **2020**, 20, 13611-13626	6.8	10
81	Magnetite exsolution in ilmenite from the Fe-Ti oxide gabbro in the Xinjie intrusion (SW China) and sources of unusually strong remnant magnetization. *American Mineralogist*, **2016**, 101, 2759-2767	2.9	10
80	Remarkable effect of Co substitution in magnetite on the reduction removal of Cr(VI) coupled with aqueous Fe(II): Improvement mechanism and Cr fate. *Science of the Total Environment*, **2019**, 656, 400-408	10.2	10
79	Calcined Mg/Al layered double hydroxides as efficient adsorbents for polyhydroxy fullerenes. *Applied Clay Science*, **2018**, 151, 66-72	5.2	10
78	Temperature-Dependent Structure and Dynamics of Water Intercalated in Layered Double Hydroxides with Different Hydration States. *Journal of Physical Chemistry C*, **2017**, 121, 23752-23762	3.8	9
77	Cementless total hip arthroplasty in advanced tuberculosis of the hip. *International Orthopaedics*, **2015**, 39, 2103-7	3.8	9
76	Interaction of polyhydroxy fullerenes with ferrihydrite: adsorption and aggregation. *Journal of Environmental Sciences*, **2018**, 64, 1-9	6.4	9
75	Structural effects on dissolution of silica polymorphs in various solutions. *Inorganica Chimica Acta*, **2018**, 471, 57-65	2.7	9
74	Mineralogical and chemical characteristics of a powder and purified quartz from Yunnan Province. *Open Geosciences*, **2016**, 8, 606-611	1.3	9
73	Al13-pillared montmorillonite modified by cationic and zwitterionic surfactants: A comparative study. *Applied Clay Science*, **2014**, 101, 327-334	5.2	9
72	The Influence of Random Defect Density on the Thermal Stability of Kaolinites. *Journal of the American Ceramic Society*, **2005**, 88, 1017-1019	3.8	9
71	Adsorption of switchable surfactant mixed with common nonionic surfactant on montmorillonite: Mechanisms and arrangement models. *Applied Clay Science*, **2017**, 146, 140-146	5.2	8
70	Effects of organic templates on the structural properties of porous clay heterostructures: a non-micellar template model for porous structure. *Journal of Porous Materials*, **2015**, 22, 219-228	2.4	8
69	Effects of Fullerol and Graphene Oxide on the Phase Transformation of Two-Line Ferrihydrite. *ACS Earth and Space Chemistry*, **2020**, 4, 335-344	3.2	8

68	The UV/Fenton degradation of tetrabromobisphenol A catalyzed by nanocrystalline chromium substituted magnetite. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 7307-14	1.3	8
67	A Critical Textural Evolution Study of Zerovalent Iron/Montmorillonite Nanosized Heterostructures Under Various Iron Loadings. *Clays and Clay Minerals*, **2011**, 59, 490-500	2.1	8
66	Technical development of characterization methods provides insights into clay mineral-water interactions: A comprehensive review. *Applied Clay Science*, **2021**, 206, 106088	5.2	8
65	Analysis of Organoclays and Organic Adsorption by Clay Minerals. *Developments in Clay Science*, **2017**, 310-342		7
64	Adsorption of Atenolol on Talc: An Indication of Drug Interference with an Excipient. *Adsorption Science and Technology*, **2015**, 33, 379-392	3.6	7
63	The structure of montmorillonites modified with zwitterionic surfactants and their sorption ability. *Mineralogy and Petrology*, **2015**, 109, 349-355	1.6	7
62	Ionic liquid modification of zeolite and its removal of chromate from water. *Green Chemistry Letters and Reviews*, **2014**, 7, 191-198	4.7	7
61	Fabrication of layered double hydroxide/carbon nanomaterial for heavy metals removal. *Applied Clay Science*, **2020**, 199, 105867	5.2	7
60	Aggregative growth of quasi-octahedral iron pyrite mesocrystals in a polyol solution through oriented attachment. *CrystEngComm*, **2016**, 18, 8823-8828	3.3	7
59	Fabrication of AO/LDH fluorescence composite and its detection of Hg in water. *Scientific Reports*, **2017**, 7, 13414	4.9	6
58	Kaolinization of 2:1 type clay minerals with different swelling properties. *American Mineralogist*, **2020**, 105, 687-696	2.9	6
57	Improvement of zinc substitution in the reactivity of magnetite coupled with aqueous Fe(II) towards nitrobenzene reduction. *Journal of Colloid and Interface Science*, **2018**, 517, 104-112	9.3	6
56	The Interactions Between Three Typical PPCPs and LDH. *Frontiers in Chemistry*, **2018**, 6, 16	5	6
55	Diatomite-Metal-Organic Framework Composite with Hierarchical Pore Structures for Adsorption/Desorption of Hydrogen, Carbon Dioxide and Water Vapor. *Materials*, **2020**, 13,	3.5	6
54	Hydrogeochemistry of Groundwater and Arsenic Adsorption Characteristics of Subsurface Sediments in an Alluvial Plain, SW Taiwan. *Sustainability*, **2016**, 8, 1305	3.6	6
53	Fabrication of an AMC/MMT Fluorescence Composite for its Detection of Cr(VI) in Water. *Frontiers in Chemistry*, **2018**, 6, 367	5	6
52	Prognosis of Advanced Tenosynovial Giant Cell Tumor of the Knee Diagnosed During Total Knee Arthroplasty. *Journal of Arthroplasty*, **2017**, 32, 1850-1855	4.4	5
51	Heterogeneous Reduction of 2-Chloronitrobenzene by Co-substituted Magnetite Coupled with Aqueous Fe2+: Performance, Factors, and Mechanism. *ACS Earth and Space Chemistry*, **2019**, 3, 728-737	3.2	5

50	Involvement of the dual-specificity phosphatase M3/6 in c-Jun N-terminal kinase inactivation following cerebral ischemia in the rat hippocampus. *International Journal of Neuroscience*, **2013**, 123, 802-9	2	5
49	Crystal Growth of Smectite: A Study Based on the Change in Crystal Chemistry and Morphology of Saponites with Synthesis Time. *ACS Earth and Space Chemistry*, **2020**, 4, 14-23	3.2	5
48	One-pot synthesis of the reduced-charge montmorillonite via molten salts treatment. *Applied Clay Science*, **2020**, 186, 105429	5.2	4
47	Effect of heating temperature on the sequestration of Cr3 + cations on montmorillonite. *Applied Clay Science*, **2016**, 121-122, 111-118	5.2	4
46	Competitive adsorption geometries for the arsenate As(V) and phosphate P(V) oxyanions on magnetite surfaces: Experiments and theory. *American Mineralogist*, **2021**, 106, 374-388	2.9	4
45	Effects of Zr substitution on soot combustion over cubic fluorite-structured nanoceria: Soot-ceria contact and interfacial oxygen evolution. *Journal of Environmental Sciences*, **2021**, 101, 293-303	6.4	4
44	Heterogeneous Nucleation and Growth of CaCO3 on Calcite (104) and Aragonite (110) Surfaces: Implications for the Formation of Abiogenic Carbonate Cements in the Ocean. *Minerals (Basel, Switzerland)*, **2020**, 10, 294	2.4	3
43	Interference of 1:1 and 2:1 layered phyllosilicates as excipients with ranitidine. *Colloids and Surfaces B: Biointerfaces*, **2016**, 140, 67-73	6	3
42	Simultaneous and sequential adsorption of crystal violet and 2-naphthol onto montmorillonite: a microstructural and thermodynamic study. *Water Science and Technology*, **2010**, 62, 1767-74	2.2	3
41	Simultaneous sorption of aqueous phenanthrene and phosphate onto bentonites modified with AlCl3 and CTMAB. *Frontiers of Environmental Science and Engineering in China*, **2007**, 1, 79-82		3
40	An abiotic source of Archean hydrogen peroxide and oxygen that pre-dates oxygenic photosynthesis. *Nature Communications*, **2021**, 12, 6611	17.4	3
39	Enhanced removal of ethidium bromide (EtBr) from aqueous solution using rectorite. *Journal of Hazardous Materials*, **2020**, 384, 121254	12.8	3
38	Evidence for a two-stage particle attachment mechanism for phyllosilicate crystallization in geological processes. *American Mineralogist*, **2021**, 106, 983-993	2.9	3
37	REE fractionation controlled by REE speciation during formation of the Renju regolith-hosted REE deposits in Guangdong Province, South China. *Ore Geology Reviews*, **2021**, 134, 104172	3.2	3
36	Chemical and structural studies of coexisting 1M- and 2M1-polytypes in synthetic fluorophlogopites and influence of Al on the polytype formation. *Physics and Chemistry of Minerals*, **2019**, 46, 259-270	1.6	3
35	Transformation of boehmite into 2:1 type layered aluminosilicates with different layer charges under hydrothermal conditions. *Applied Clay Science*, **2019**, 181, 105207	5.2	2
34	Cup revision involving retention of a fixed but malpositioned acetabular component in patients with poor general conditions. *Medicine (United States)*, **2017**, 96, e8622	1.8	2
33	Photochemically Induced Electron Transfer: Simultaneously Decolorizing Dye and Reducing Cr(VI). *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	2

32	Catalytic Activity of Titanomagnetite in Heterogeneous Fenton Reaction: Contribution from Structural Fe2+ and Fe3+. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 7015-7020	1.3	2
31	Development of novel multifunctional adsorbent by effectively hosting both zwitterionic surfactant and hydrated ferric oxides in montmorillonite. *Science of the Total Environment*, **2021**, 774, 144974	10.2	2
30	Characteristics and genesis of ion adsorption type REE deposits in the weathering crusts of metamorphic rocks in Ningdu, Ganzhou, China. *Ore Geology Reviews*, **2021**, 135, 104173	3.2	2
29	Groundwater controls REE mineralisation in the regolith of South China. *Chemical Geology*, **2021**, 577, 120295	4.2	2
28	Hydrothermal carbons/ferrihydrite heterogeneous Fenton catalysts with low HO consumption and the effect of graphitization degrees. *Chemosphere*, **2022**, 287, 131933	8.4	2
27	Oxalate regulate the redox cycle of iron in heterogeneous UV-Fenton system with FeO nanoparticles as catalyst: Critical role of homogeneous reaction.. *Chemosphere*, **2022**, 134240	8.4	2
26	A Special Issue on Emerging Nanogeosciences Nanogeosciences: A Revolutionary Challenge in Geosciences. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 5919-5929	1.3	1
25	Intrinsic water layering next to soft, solid, hydrophobic, and hydrophilic substrates. *Journal of Chemical Physics*, **2020**, 153, 224702	3.9	1
24	Metal Substitution-Induced Reducing Capacity of Magnetite Coupled with Aqueous Fe(II). *ACS Earth and Space Chemistry*, **2020**, 4, 905-911	3.2	1
23	Earth Materials and Environmental Applications 2016. *Advances in Materials Science and Engineering* , **2017**, 2017, 1-2	1.5	1
22	Probing the interactions between lucigenin and phyllosilicates with different layer structures. *Dyes and Pigments*, **2018**, 155, 135-142	4.6	1
21	Role of RANK and Akt1 activation in human osteosarcoma progression: A clinicopathological study. *Experimental and Therapeutic Medicine*, **2017**, 13, 2862-2866	2.1	1
20	Genesis Study of the Nano-Micron Sphalerite Exsolution in Chalcopyrite from the Gengzhuang Gold Deposit in China. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 6677-6685	1.3	1
19	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. *Applied Clay Science*, **2021**, 215, 106320	5.2	1
18	High capacity ethidium bromide removal by montmorillonites. *Korean Journal of Chemical Engineering*, **2020**, 37, 2202-2208	2.8	1
17	Interactions between Active Ingredient Ranitidine and Clay Mineral Excipients in Pharmaceutical Formulations. *Materials*, **2020**, 13,	3.5	1
16	Environmental-sulfur-controlled surface properties of pyrite: a first principles PBE + U study. *Physics and Chemistry of Minerals*, **2021**, 48, 1	1.6	1
15	The Competitive Adsorption of Chromate and Sulfate on Ni-Substituted Magnetite Surfaces: An ATR-FTIR Study. *Minerals (Basel, Switzerland)*, **2021**, 11, 88	2.4	1

14	Using Ionic Liquid Modified Zeolite as a Permeable Reactive Wall to Limit Arsenic Contamination of a Freshwater Lake: Pilot Tests. *Water (Switzerland)*, **2018**, 10, 448	3	0
13	Distinct effects of transition metal (cobalt, manganese and nickel) ion substitutions on the abiotic oxidation of pyrite: In view of hydroxyl radical production. *Geochimica Et Cosmochimica Acta*, **2022**, 321, 170-183	5.5	0
12	Assessing environmental fate of hexavalent chromium as influenced by fractionation of ferrihydrite with dissolved organic matter.. *Journal of Environmental Management*, **2022**, 306, 114489	7.9	0
11	Environmental risk assessment of the potential "Chemical Time Bomb" of ion-adsorption type rare earth elements in urban areas.. *Science of the Total Environment*, **2022**, 822, 153305	10.2	0
10	The Composition and Growth Mechanism of Coexisting 4M2 and 4A8 Biotite Polytypes from Rhyolite of Long Valley Caldera, California. *Clays and Clay Minerals*,1	2.1	0
9	Hydration induced bandgap shift at pyrite-water interface. *Applied Physics Letters*, **2018**, 113, 123901	3.4	0
8	RELEASE OF Mg AND Fe FROM THE OCTAHEDRAL SHEETS DURING THE TRANSFORMATION OF MONTMORILLONITE INTO KAOLINITE. *Clays and Clay Minerals*,1	2.1	0
7	Photoreductive Dissolution of Iron (Hydr)oxides and Its Geochemical Significance. *ACS Earth and Space Chemistry*,	3.2	0
6	The growth process of saponite: A study based on particle size distributions and morphological evolution. *Applied Clay Science*, **2022**, 221, 106463	5.2	0
5	The different effects of sulfate on the adsorption of REEs on kaolinite and ferrihydrite. *Applied Clay Science*, **2022**, 221, 106468	5.2	0
4	Earth Materials and Environmental Applications. *Advances in Materials Science and Engineering*, **2015**, 2015, 1-2	1.5	
3	Formation of Misfit Layered PbS Within Molybdenite. *Microscopy and Microanalysis*, **2020**, 26, 486-487	0.5	
2	Fluid pathway evolution and mass transfer during Mg-dominated mineral transformations. *Applied Clay Science*, **2021**, 207, 106097	5.2	
1	The catalytic process of poly-silicate-ferric (PSF) and generation mechanism of hydroxyl radical based on photo-Fenton system. *Water Science and Technology*, **2020**, 81, 709-719	2.2	