Jianxi Zhu

List of Publications by Year in Descending Order

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	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
300	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
299	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
298	Hydrothermal carbons/ferrihydrite heterogeneous Fenton catalysts with low HO consumption and the effect of graphitization degrees. *Chemosphere*, **2022**, 287, 131933	8.4	2
297	The growth process of saponite: A study based on particle size distributions and morphological evolution. *Applied Clay Science*, **2022**, 221, 106463	5.2	0
296	The different effects of sulfate on the adsorption of REEs on kaolinite and ferrihydrite. *Applied Clay Science*, **2022**, 221, 106468	5.2	0
295	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
294	An abiotic source of Archean hydrogen peroxide and oxygen that pre-dates oxygenic photosynthesis. *Nature Communications*, **2021**, 12, 6611	17.4	3
293	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
292	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
291	Environmental-sulfur-controlled surface properties of pyrite: a first principles PBE + U study. *Physics and Chemistry of Minerals*, **2021**, 48, 1	1.6	1
290	Fluid pathway evolution and mass transfer during Mg-dominated mineral transformations. *Applied Clay Science*, **2021**, 207, 106097	5.2	
289	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
288	Evidence for a two-stage particle attachment mechanism for phyllosilicate crystallization in geological processes. *American Mineralogist*, **2021**, 106, 983-993	2.9	3
287	Technical development of characterization methods provides insights into clay mineral-water interactions: A comprehensive review. *Applied Clay Science*, **2021**, 206, 106088	5.2	8
286	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
285	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

284	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
283	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
282	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
281	Groundwater controls REE mineralisation in the regolith of South China. *Chemical Geology*, **2021**, 577, 120295	4.2	2
280	Intrinsic water layering next to soft, solid, hydrophobic, and hydrophilic substrates. *Journal of Chemical Physics*, **2020**, 153, 224702	3.9	1
279	Kaolinization of 2:1 type clay minerals with different swelling properties. *American Mineralogist*, **2020**, 105, 687-696	2.9	6
278	Metal Substitution-Induced Reducing Capacity of Magnetite Coupled with Aqueous Fe(II). *ACS Earth and Space Chemistry*, **2020**, 4, 905-911	3.2	1
277	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
276	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
275	One-pot synthesis of the reduced-charge montmorillonite via molten salts treatment. *Applied Clay Science*, **2020**, 186, 105429	5.2	4
274	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
273	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
272	On mineral dust aerosol hygroscopicity. *Atmospheric Chemistry and Physics*, **2020**, 20, 13611-13626	6.8	10
271	Enhanced removal of ethidium bromide (EtBr) from aqueous solution using rectorite. *Journal of Hazardous Materials*, **2020**, 384, 121254	12.8	3
270	Functionalized layered double hydroxides for innovative applications. *Materials Horizons*, **2020**, 7, 715-745	14.4	84
269	A novel multifunctional adsorbent synthesized by modifying acidified organo-montmorillonite with iron hydroxides. *Applied Clay Science*, **2020**, 185, 105420	5.2	14
268	Layered intercalation compounds: Mechanisms, new methodologies, and advanced applications. *Progress in Materials Science*, **2020**, 109, 100631	42.2	39
267	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

266	Fabrication of layered double hydroxide/carbon nanomaterial for heavy metals removal. *Applied Clay Science*, **2020**, 199, 105867	5.2	7
265	Coupling between clay swelling/collapse and cationic partition. *Geochimica Et Cosmochimica Acta*, **2020**, 285, 78-99	5.5	14
264	High capacity ethidium bromide removal by montmorillonites. *Korean Journal of Chemical Engineering*, **2020**, 37, 2202-2208	2.8	1
263	Zwitterionic dye rhodamine B (RhB) uptake on different types of clay minerals. *Applied Clay Science*, **2020**, 197, 105790	5.2	14
262	Formation of Misfit Layered PbS Within Molybdenite. *Microscopy and Microanalysis*, **2020**, 26, 486-487	0.5	
261	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
260	Interactions between Active Ingredient Ranitidine and Clay Mineral Excipients in Pharmaceutical Formulations. *Materials*, **2020**, 13,	3.5	1
259	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
258	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	
257	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
256	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
255	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
254	The significant effect of photo-catalyzed redox reactions on the immobilization of chromium by hematite. *Chemical Geology*, **2019**, 524, 228-236	4.2	11
253	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
252	Strategies for enhancing the heterogeneous Fenton catalytic reactivity: A review. *Applied Catalysis B: Environmental*, **2019**, 255, 117739	21.8	369
251	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
250	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
249	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

248	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
247	Keggin-Al30: An intercalant for Keggin-Al30 pillared montmorillonite. *Applied Clay Science*, **2019**, 180, 105203	5.2	13
246	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
245	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
244	The structural change of vermiculite during dehydration processes: A real-time in-situ XRD method. *Applied Clay Science*, **2019**, 183, 105332	5.2	14
243	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
242	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
241	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
240	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
239	TiO/Schwertmannite nanocomposites as superior co-catalysts in heterogeneous photo-Fenton process. *Journal of Environmental Sciences*, **2019**, 80, 208-217	6.4	14
238	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
237	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
236	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
235	Impact of tetracycline-clay interactions on bacterial growth. *Journal of Hazardous Materials*, **2019**, 370, 91-97	12.8	12
234	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
233	Probing the interactions between lucigenin and phyllosilicates with different layer structures. *Dyes and Pigments*, **2018**, 155, 135-142	4.6	1
232	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
231	Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles.. *RSC Advances*, **2018**, 8, 7687-7696	3.7	24

230	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
229	Oxalate enhanced degradation of Orange II in heterogeneous UV-Fenton system catalyzed by FeO@FeO composite. *Chemosphere*, **2018**, 199, 147-153	8.4	24
228	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
227	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
226	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
225	Interaction of polyhydroxy fullerenes with ferrihydrite: adsorption and aggregation. *Journal of Environmental Sciences*, **2018**, 64, 1-9	6.4	9
224	Effect of acid activation of palygorskite on their toluene adsorption behaviors. *Applied Clay Science*, **2018**, 159, 60-67	5.2	45
223	From natural clay minerals to porous silicon nanoparticles. *Microporous and Mesoporous Materials*, **2018**, 260, 76-83	5.3	14
222	Structural effects on dissolution of silica polymorphs in various solutions. *Inorganica Chimica Acta*, **2018**, 471, 57-65	2.7	9
221	Plasmonic Ag coated Zn/Ti-LDH with excellent photocatalytic activity. *Applied Surface Science*, **2018**, 433, 458-467	6.7	50
220	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
219	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
218	The Interactions Between Three Typical PPCPs and LDH. *Frontiers in Chemistry*, **2018**, 6, 16	5	6
217	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
216	Influences of Cation Ratio, Anion Type, and Water Content on Polytypism of Layered Double Hydroxides. *Inorganic Chemistry*, **2018**, 57, 7299-7313	5.1	13
215	Calcined Mg/Al-LDH for acidic wastewater treatment: Simultaneous neutralization and contaminant removal. *Applied Clay Science*, **2018**, 153, 46-53	5.2	25
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	Calcined Mg/Al layered double hydroxides as efficient adsorbents for polyhydroxy fullerenes. *Applied Clay Science*, **2018**, 151, 66-72	5.2	10

212	Adsorption of ammonium by different natural clay minerals: Characterization, kinetics and adsorption isotherms. *Applied Clay Science*, **2018**, 159, 83-93	5.2	133
211	Conversion of serpentine to smectite under hydrothermal condition: Implication for solid-state transformation. *American Mineralogist*, **2018**, 103, 241-251	2.9	14
210	Hydration induced bandgap shift at pyrite-water interface. *Applied Physics Letters*, **2018**, 113, 123901	3.4	0
209	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
208	Fabrication of an AMC/MMT Fluorescence Composite for its Detection of Cr(VI) in Water. *Frontiers in Chemistry*, **2018**, 6, 367	5	6
207	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
206	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
205	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
204	Metal occupancy and its influence on thermal stability of synthetic saponites. *Applied Clay Science*, **2017**, 135, 282-288	5.2	12
203	Keggin-Al 30 pillared montmorillonite. *Microporous and Mesoporous Materials*, **2017**, 242, 256-263	5.3	31
202	Novel intercalation mechanism of zwitterionic surfactant modified montmorillonites. *Applied Clay Science*, **2017**, 141, 265-271	5.2	34
201	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
200	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
199	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
198	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
197	miR-139-5p Represses BMSC Osteogenesis via Targeting Wnt/Ecatenin Signaling Pathway. *DNA and Cell Biology*, **2017**, 36, 715-724	3.6	57
196	A Special Issue on Emerging Nanogeosciences Nanogeosciences: A Revolutionary Challenge in Geosciences. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 5919-5929	1.3	1
195	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

194	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
193	Effects of complexation between organic matter (OM) and clay mineral on OM pyrolysis. *Geochimica Et Cosmochimica Acta*, **2017**, 212, 1-15	5.5	50
192	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
191	Influence of interlayer species on the thermal characteristics of montmorillonite. *Applied Clay Science*, **2017**, 135, 129-135	5.2	26
190	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
189	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
188	Fabrication of AO/LDH fluorescence composite and its detection of Hg in water. *Scientific Reports*, **2017**, 7, 13414	4.9	6
187	Earth Materials and Environmental Applications 2016. *Advances in Materials Science and Engineering* , **2017**, 2017, 1-2	1.5	1
186	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
185	Organokaolin for the uptake of pharmaceuticals diclofenac and chloramphenicol from water. *Chemical Engineering Journal*, **2017**, 330, 1128-1136	14.7	27
184	Adsorption isotherm, mechanism, and geometry of Pb(II) on magnetites substituted with transition metals. *Chemical Geology*, **2017**, 470, 132-140	4.2	26
183	Role of RANK and Akt1 activation in human osteosarcoma progression: A clinicopathological study. *Experimental and Therapeutic Medicine*, **2017**, 13, 2862-2866	2.1	1
182	Converting Spent Cu/Fe Layered Double Hydroxide into Cr(VI) Reductant and Porous Carbon Material. *Scientific Reports*, **2017**, 7, 7277	4.9	19
181	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
180	Photochemically Induced Electron Transfer: Simultaneously Decolorizing Dye and Reducing Cr(VI). *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	2
179	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
178	Transformation of halloysite and kaolinite into beidellite under hydrothermal condition. *American Mineralogist*, **2017**, 102, 997-1005	2.9	13
177	Sorption and retention of diclofenac on zeolite in the presence of cationic surfactant. *Journal of Hazardous Materials*, **2017**, 323, 584-592	12.8	51

176	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
175	Enhanced photocatalytic activity of Zn/Ti-LDH via hybridizing with C60. *Molecular Catalysis*, **2017**, 427, 54-61	3.3	23
174	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
173	Analysis of Organoclays and Organic Adsorption by Clay Minerals. *Developments in Clay Science*, **2017**, 310-342		7
172	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
171	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
170	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
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	Nanocomposite of exfoliated bentonite/g-C3N4/Ag3PO4 for enhanced visible-light photocatalytic decomposition of Rhodamine B. *Chemosphere*, **2016**, 162, 269-76	8.4	55
167	Fullerol modification ferrihydrite for the degradation of acid red 18 under simulated sunlight irradiation. *Journal of Molecular Catalysis A*, **2016**, 424, 393-401		19
166	Tunable high-performance microwave absorption for manganese dioxides by one-step Co doping modification. *Scientific Reports*, **2016**, 6, 37400	4.9	13
165	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
164	Mineralogical and chemical characteristics of a powder and purified quartz from Yunnan Province. *Open Geosciences*, **2016**, 8, 606-611	1.3	9
163	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
162	BiVO4/Fe/Mt composite for visible-light-driven degradation of acid red 18. *Applied Clay Science*, **2016**, 129, 27-34	5.2	19
161	Jumping Diffusion of Water Intercalated in Layered Double Hydroxides. *Journal of Physical Chemistry C*, **2016**, 120, 12924-12931	3.8	14
160	Synthesis and characterization of Mn intercalated Mg-Al hydrotalcite. *Journal of Colloid and Interface Science*, **2016**, 479, 115-120	9.3	19
159	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

158	Interference of 1:1 and 2:1 layered phyllosilicates as excipients with ranitidine. *Colloids and Surfaces B: Biointerfaces*, **2016**, 140, 67-73	6	3
157	Adsorbents based on montmorillonite for contaminant removal from water: A review. *Applied Clay Science*, **2016**, 123, 239-258	5.2	265
156	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
155	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
154	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
153	Effect of heating temperature on the sequestration of Cr3 + cations on montmorillonite. *Applied Clay Science*, **2016**, 121-122, 111-118	5.2	4
152	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
151	Adsorption of phenol, phosphate and Cd(II) by inorganic□rganic montmorillonites: A comparative study of single and multiple solute. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 497, 63-71	5.1	33
150	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
149	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
148	Co-adsorption of phosphate and zinc(II) on the surface of ferrihydrite. *Chemosphere*, **2016**, 144, 1148-55	8.4	83
147	Hydrogeochemistry of Groundwater and Arsenic Adsorption Characteristics of Subsurface Sediments in an Alluvial Plain, SW Taiwan. *Sustainability*, **2016**, 8, 1305	3.6	6
146	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
145	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
144	Morphology controllable syntheses of micro- and nano-iron pyrite mono- and poly-crystals: a review. *RSC Advances*, **2016**, 6, 31988-31999	3.7	19
143	In situ sequentially generation of acid and ferrous ions for environmental remediation. *Chemical Engineering Journal*, **2016**, 302, 223-232	14.7	13
142	Bisphenol A degradation by a new acidic nano zero-valent iron diatomite composite. *Catalysis Science and Technology*, **2016**, 6, 6066-6075	5.5	30
141	Fullerene modification of Ag3PO4 for the visible-light-driven degradation of acid red 18. *RSC Advances*, **2016**, 6, 85962-85969	3.7	13

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