

Sridhar Komarneni

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

546
papers

20,011
citations

72
h-index

111
g-index

566
ext. papers

22,346
ext. citations

5.6
avg, IF

7.21
L-index

#	Paper	IF	Citations
546	Immobilization mechanism of As, Mn, Pb and Zn ions in sulfide tailings by the addition of triethylenetetramine-montmorillonite nanocomposite. <i>Chemical Engineering Journal</i> , 2022 , 435, 134817	14.7	1
545	Selectivity of transition metal ions by a layered tin phosphate. <i>Materials Letters</i> , 2022 , 309, 131450	3.3	
544	Heterogeneous activation of persulfate by BiMoO-CuS composite for efficient degradation of orange II under visible light.. <i>Chemosphere</i> , 2022 , 293, 133558	8.4	1
543	Heterogeneous activation of persulfate by Mg doped Ni(OH) for efficient degradation of phenol. <i>Chemosphere</i> , 2022 , 286, 131647	8.4	6
542	Three-dimensional hierarchical porous carbon coupled with chitosan based electrochemical sensor for sensitive determination of niclosamide. <i>Food Chemistry</i> , 2022 , 366, 130563	8.5	11
541	Precise Cation Recognition in Two-Dimensional Nanofluidic Channels of Clay Membranes Imparted from Intrinsic Selectivity of Clays.. <i>ACS Nano</i> , 2022 ,	16.7	3
540	Leaching characteristics and stabilization of heavy metals in tin-polymetallic tailings by sodium diethyl dithiocarbamate intercalated montmorillonite (DDTC-Mt). <i>Journal of Cleaner Production</i> , 2022 , 344, 131041	10.3	0
539	Efficient activation of K ₂ S ₂ O ₈ by MoS ₂ -ZnFe ₂ O ₄ composite for the rapid degradation of tetracycline. <i>Materials Letters</i> , 2022 , 318, 132204	3.3	0
538	Rapid determination of methyl parathion in vegetables using electrochemical sensor fabricated from biomass-derived and β -cyclodextrin functionalized porous carbon spheres.. <i>Food Chemistry</i> , 2022 , 384, 132643	8.5	2
537	UV-activated WS ₂ /SnO ₂ 2D/0D heterostructures for fast and reversible NO ₂ gas sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2022 , 364, 131903	8.5	2
536	Stabilization of heavy metals from lead-zinc ore tailings with sodium diethyl dithiocarbamate functionalized montmorillonite (DDTC-Mt): Leaching characteristics and remediating mechanism. <i>Minerals Engineering</i> , 2022 , 183, 107608	4.9	0
535	CDs@Cr ₂ O ₃ catalytic degradation of Orange II based on non-radical pathway. <i>Materials Chemistry and Physics</i> , 2022 , 126257	4.4	0
534	Persulfate activation of CuS@Ti ₃ C ₂ -based MXene with Bi-active centers toward Orange II removal under visible light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 648, 129315	5.1	3
533	Efficient degradation of orange II by core shell CoFeO-CeO nanocomposite with the synergistic effect from sodium persulfate. <i>Chemosphere</i> , 2021 , 132765	8.4	3
532	Recent advances in Co-based co-catalysts for efficient photocatalytic hydrogen generation. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 1553-1575	9.3	2
531	Highly efficient removal of antimonite (Sb (III)) from aqueous solutions by organoclay and organozeolite: Kinetics and Isotherms. <i>Applied Clay Science</i> , 2021 , 203, 106004	5.2	4
530	Persulfate activation by MnCuS nanocomposites for degradation of organic pollutants. <i>Separation and Purification Technology</i> , 2021 , 261, 118290	8.3	8

529	Colloidal to micrometer-sized iron oxides and oxyhydroxides as anode materials for batteries and pseudocapacitors: Electrochemical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 615, 126232	5.1	1
528	Ultrasonic-assisted preparation of halloysite nanotubes/zirconia/carbon black nanocomposite for the highly sensitive determination of methyl parathion. <i>Materials Science and Engineering C</i> , 2021 , 123, 111982	8.3	11
527	Emulsions stabilized by highly hydrophilic TiO nanoparticles via van der Waals attraction. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 378-387	9.3	3
526	Clay coatings on sands in the western Qaidam Basin, Tibetan Plateau, China: Implications for the Martian clay detection. <i>Applied Clay Science</i> , 2021 , 205, 106065	5.2	
525	Degradation of organic pollutants by ZnMn ₂ O ₄ /organic acid system: Identification of active species. <i>Materials Letters</i> , 2021 , 293, 129725	3.3	5
524	Rapid synthesis of Sn(HPO ₄) ₂ ·H ₂ O by microwave-hydrothermal process. <i>Ceramics International</i> , 2021 , 47, 16303-16308	5.1	
523	Nanocomposite of halloysite nanotubes/multi-walled carbon nanotubes for methyl parathion electrochemical sensor application. <i>Applied Clay Science</i> , 2021 , 200, 105907	5.2	26
522	Rational design of self-supported Cu@WC core-shell mesoporous nanowires for pH-universal hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 280, 119451	21.8	66
521	Light-activated room-temperature gas sensors based on metal oxide nanostructures: A review on recent advances. <i>Ceramics International</i> , 2021 , 47, 7353-7368	5.1	34
520	Advances in recyclable and superior photocatalytic fibers: Material, construction, application and future perspective. <i>Composites Part B: Engineering</i> , 2021 , 205, 108512	10	26
519	Mechanical activation of zero-valent iron (ZVI) in the presence of CaCO ₃ : Improved reactivity of ZVI for enhancing As(III) removal from water. <i>Journal of Cleaner Production</i> , 2021 , 286, 124926	10.3	19
518	Strategies to Develop Earth-Abundant Heterogeneous Oxygen Evolution Reaction Catalysts for pH-Neutral or pH-Near-Neutral Electrolytes.. <i>Small Methods</i> , 2021 , 5, e2000719	12.8	9
517	Significantly improved conductivity of spinel Co ₃ O ₄ porous nanowires partially substituted by Sn in tetrahedral sites for high-performance quasi-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7005-7017	13	12
516	MXene/WS hybrids for visible-light-activated NO sensing at room temperature. <i>Chemical Communications</i> , 2021 , 57, 9136-9139	5.8	7
515	Fe ₃ O ₄ -SBA assisted by visible light can effectively activate NaHSO ₃ or H ₂ O ₂ for enhanced degradation of Orange II: Activation of NaHSO ₃ versus H ₂ O ₂ . <i>Microporous and Mesoporous Materials</i> , 2021 , 315, 110902	5.3	6
514	Removal of antimonate (Sb(V)) from aqueous solutions and its immobilization in soils with a novel Fe(III)-modified montmorillonite sorbent. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
513	Activation of K ₂ S ₂ O ₈ by NiTe composite oxides for the degradation of orange II with visible light assistance. <i>Materials Chemistry and Physics</i> , 2021 , 270, 124784	4.4	1
512	Visible-light-driven activation of sodium persulfate for accelerating orange II degradation using ZnMnO photocatalyst. <i>Chemosphere</i> , 2021 , 278, 130404	8.4	12

511	Simultaneous removal of Zn and p-nitrophenol from wastewater using nanocomposites of montmorillonite with alkyl-ammonium and complexant. <i>Environmental Research</i> , 2021 , 201, 111496	7.9	7
510	Co ₃ O ₄ /CoO ceramic catalyst: Bisulfite assisted catalytic degradation of methylene blue. <i>Ceramics International</i> , 2021 , 47, 27617-27623	5.1	5
509	Degradation of Orange II by Fe ₂ O ₃ and CeO ₂ nanocomposite when assisted by NaHSO ₃ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127315	5.1	2
508	One-pot green hydrothermal synthesis of bio-derived nitrogen-doped carbon sheets embedded with zirconia nanoparticles for electrochemical sensing of methyl parathion. <i>Ceramics International</i> , 2020 , 46, 19713-19722	5.1	17
507	Highly sensitive detection of gallic acid based on 3D interconnected porous carbon nanotubes/carbon nanosheets modified glassy carbon electrode. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 9422-9433	5.5	14
506	Self-Supported Composite of (Ni,Co) ₃ C Mesoporous Nanosheets/N-Doped Carbon as a Flexible Electrocatalyst for pH-Universal Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5287-5295	8.3	21
505	Formation mechanism of an Al Keggin cluster in hydrated layered polysilicates. <i>Dalton Transactions</i> , 2020 , 49, 4920-4926	4.3	1
504	Efficient degradation of orange II by ZnMn ₂ O ₄ in a novel photo-chemical catalysis system. <i>Frontiers of Chemical Science and Engineering</i> , 2020 , 14, 956-966	4.5	4
503	Few-Layer Clayenes for Material and Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11171-11179	9.5	4
502	Three-dimensional stretchable fabric-based electrode for supercapacitors prepared by electrostatic flocking. <i>Chemical Engineering Journal</i> , 2020 , 390, 124442	14.7	11
501	Numerical simulation of the flow and erosion behavior of exhaust gas and particles in polysilicon reduction furnace. <i>Scientific Reports</i> , 2020 , 10, 1909	4.9	1
500	Preparation of polyacrylamide-montmorillonite nanocomposite and its application in Cr(III) adsorption. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49065	2.9	2
499	Kinetics and mechanism of thiamethoxam abatement by ozonation and ozone-based advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2020 , 390, 122180	12.8	15
498	Catalytic degradation of methylene blue through activation of bisulfite with CoO nanoparticles. <i>Separation and Purification Technology</i> , 2020 , 239, 116561	8.3	17
497	Metallic nickel-cobalt phosphide/multilayer graphene composite for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2020 , 44, 8796-8804	3.6	7
496	Gas-liquid-liquid extraction in a novel rotating microchannel extractor. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 2523-2532	3.2	1
495	Structural instability-induced high-performance NiFe layered double hydroxides as oxygen evolution reaction catalysts for pH-near-neutral borate electrolyte: The role of intercalates. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118343	21.8	21
494	Quaternary (Fe/Ni)(P/S) mesoporous nanorods templated on stainless steel mesh lead to stable oxygen evolution reaction for over two months. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 576-584	9.3	27

493	Removal of Cu ²⁺ from Water Using Liquid-Liquid Microchannel Extraction. <i>Chemical Engineering and Technology</i> , 2020 , 43, 974-982	2	4
492	Bi ₂ MoO ₆ microspheres for the degradation of orange II by heterogeneous activation of persulfate under visible light. <i>Materials Letters</i> , 2020 , 261, 127099	3.3	16
491	Cleaner continuous flow production of mesoporous calcium-magnesium silicate as a potential biomaterial. <i>Journal of Porous Materials</i> , 2020 , 27, 503-513	2.4	
490	Highly sensitive, fast and reversible NO ₂ sensors at room-temperature utilizing nonplasmonic electrons of ZnO/Pd hybrids. <i>Ceramics International</i> , 2020 , 46, 8462-8468	5.1	16
489	Degradation of orange II by Fe@FeO core shell nanomaterials assisted by NaHSO ₃ . <i>Chemosphere</i> , 2020 , 244, 125588	8.4	12
488	Sustainable Materials by Mimicking Natural Weathering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	1
487	Mg doped CuO/Fe ₂ O ₃ composites activated by persulfate as highly active heterogeneous catalysts for the degradation of organic pollutants. <i>Journal of Alloys and Compounds</i> , 2020 , 825, 154036	5.7	29
486	Sustainable electrochemical dyeing of indigo with Fe(II)-based complexes. <i>Journal of Cleaner Production</i> , 2020 , 276, 123251	10.3	3
485	Preparation of stable inverse emulsions of hydroxyethyl methacrylate and their stability evaluation by centrifugal coefficient. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 604, 125309	5.1	2
484	Experimental and Theoretical Studies of Methyl Orange Uptake by Mn-Rich Synthetic Mica: Insights into Manganese Role in Adsorption and Selectivity. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
483	Role of Montmorillonite, Kaolinite, or Illite in Pyrite Flotation: Differences in Clay Behavior Based on Their Structures. <i>Langmuir</i> , 2020 , 36, 10860-10867	4	8
482	A case study targeting K fertilizer chemical synthesis with complete valorization of extraction by-products as an option. <i>Green Chemistry</i> , 2020 , 22, 6954-6966	10	3
481	Copper sulfide as an excellent co-catalyst with K ₂ S ₂ O ₈ for dye decomposition in advanced oxidation process. <i>Separation and Purification Technology</i> , 2020 , 233, 116057	8.3	25
480	Decolorization of methyl orange by MnO ₂ /organic acid system: The role of Mn(III). <i>Materials Research Bulletin</i> , 2020 , 122, 110670	5.1	6
479	A novel Fenton-like system of Fe ₂ O ₃ and NaHSO ₃ for Orange II degradation. <i>Separation and Purification Technology</i> , 2020 , 230, 115866	8.3	17
478	Room-temperature gas sensors based on ZnO nanorod/Au hybrids: Visible-light-modulated dual selectivity to NO and NH ₃ . <i>Journal of Hazardous Materials</i> , 2020 , 381, 120919	12.8	94
477	Manganese doped magnetic cobalt ferrite nanoparticles for dye degradation via a novel heterogeneous chemical catalysis. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122181	4.4	32
476	Degradation of methylene blue by Co ₃ O ₄ with activation of bisulfite. <i>Functional Materials Letters</i> , 2020 , 13, 2050016	1.2	2

475	Synergic enhancement of the anticorrosion properties of an epoxy coating by compositing with both graphene and halloysite nanotubes. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47562	2.9	14
474	Self-Assembled Ni ₃ S ₂ Nanosheets with Mesoporous Structure Tightly Held on Ni Foam as a Highly Efficient and Long-Term Electrocatalyst for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5430-5439	8.3	42
473	Enhancement of photo-fenton-like degradation of orange II by MnO ₂ /NiO nanocomposite with the synergistic effect from bisulfite. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 343-349	5.7	16
472	Low-cost and eco-friendly synthesis of octahedral LiMn ₂ O ₄ cathode material with excellent electrochemical performance. <i>Ceramics International</i> , 2019 , 45, 17183-17191	5.1	23
471	Electrochemical behavior of representative electrode materials in artificial seawater for fabricating supercapacitors. <i>Electrochimica Acta</i> , 2019 , 318, 211-219	6.7	13
470	TiO ₂ @g-C ₃ N ₄ core/shell spheres with uniform mesoporous structures for high performance visible-light photocatalytic application. <i>Ceramics International</i> , 2019 , 45, 18844-18851	5.1	26
469	On-chip grown ZnO nanosheet-array with interconnected nanojunction interfaces for enhanced optoelectronic NO gas sensing at room temperature. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 19-28	9.3	23
468	Synthesis of p-n heterojunction Ag ₃ PO ₄ /NaTaO ₃ composite photocatalyst for enhanced visible-light-driven photocatalytic performance. <i>Materials Letters</i> , 2019 , 251, 192-195	3.3	18
467	Degradation of dye in wastewater by Homogeneous Fe(VI)/NaHSO system. <i>Chemosphere</i> , 2019 , 228, 595-601	8.4	16
466	Self-generated N-doped anodized stainless steel mesh for an efficient and stable overall water splitting electrocatalyst. <i>Applied Surface Science</i> , 2019 , 480, 655-664	6.7	31
465	In situ construction of porous Ni/Co-MOF@Carbon cloth electrode with honeycomb-like structure for high-performance energy storage. <i>Journal of Porous Materials</i> , 2019 , 26, 921-929	2.4	26
464	TiO ₂ /Sepiolite nanocomposites doped with rare earth ions: Preparation, characterization and visible light photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2019 , 274, 25-32	5.3	56
463	Efficient degradation of rhodamine B by magnetically separable ZnS-ZnFeO composite with the synergistic effect from persulfate. <i>Chemosphere</i> , 2019 , 237, 124547	8.4	23
462	Formation of saponite by hydrothermal alteration of metal oxides: Implication for the rarity of hydrotalcite. <i>American Mineralogist</i> , 2019 , 104, 1156-1164	2.9	1
461	Self-Supportive Mesoporous Ni/Co/Fe Phosphosulfide Nanorods Derived from Novel Hydrothermal Electrodeposition as a Highly Efficient Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2019 , 15, e1905201	11.1	47
460	N-Doped Porous Carbon Self-Generated on Nickel Oxide Nanosheets for Electrocatalytic N ₂ Fixation with a Faradaic Efficiency beyond 30%. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18874-18883	8.3	26
459	An in situ anion exchange induced high-performance oxygen evolution reaction catalyst for the pH-near-neutral potassium borate electrolyte. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6995-7005	13	27
458	Anode electrodeposition of 3D mesoporous Fe ₂ O ₃ nanosheets on carbon fabric for flexible solid-state asymmetric supercapacitor. <i>Ceramics International</i> , 2019 , 45, 10420-10428	5.1	22

457	Impact of Stabilizer on In Situ Formation of Ag Nanoparticles in Polyvinylidene Fluoride (PVDF) Matrix. <i>MRS Advances</i> , 2019 , 4, 2103-2108	0.7	3
456	Enhancing adsorption capacity of Egyptian diatomaceous earth by thermo-chemical purification: Methylene blue uptake. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 408-419	9.3	38
455	Nanocomposites of hierarchical ultrathin MnO ₂ nanosheets/hollow carbon nanofibers for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2019 , 463, 931-938	6.7	107
454	A comparative study of synthetic tubular kaolinite nanoscrolls and natural halloysite nanotubes. <i>Applied Clay Science</i> , 2019 , 168, 421-427	5.2	13
453	Incomplete phase separation strategy to synthesize P/N co-doped porous carbon with interconnected structure for asymmetric supercapacitors with ultra-high power density. <i>Electrochimica Acta</i> , 2019 , 298, 717-725	6.7	41
452	Antimicrobial activity of X zeolite exchanged with Cu and Zn on Escherichia coli and Staphylococcus aureus. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 2782-2793	5.1	17
451	Hydrothermal synthesis of beta zeolite from industrial silica sol as silicon source. <i>Journal of Porous Materials</i> , 2019 , 26, 1017-1025	2.4	3
450	Partly nitrogenized nickel oxide hollow spheres with multiple compositions for remarkable electrochemical performance. <i>Chemical Engineering Journal</i> , 2019 , 358, 531-539	14.7	59
449	Iron activated sodium bisulfite enhances generation of Mn (III) species through the MnO ₂ /bisulfite catalytic process. <i>Ceramics International</i> , 2019 , 45, 892-898	5.1	7
448	Hydrothermal transformation of mixed metal oxides and silicate anions to phyllosilicate under highly alkaline conditions. <i>Applied Clay Science</i> , 2018 , 156, 224-230	5.2	4
447	In situ hydrothermal preparation of mesoporous Fe ₃ O ₄ film for high-performance negative electrodes of supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2018 , 265, 189-194	5.3	18
446	Ni and Co doped yolk-shell type Fe ₂ O ₃ hollow microspheres as anode materials for lithium-ion batteries. <i>Materials Chemistry and Physics</i> , 2018 , 211, 452-461	4.4	14
445	Selective removal of methyl orange and Cr anionic contaminants from mixed wastewater by in-situ formation of Zn-Al layered double hydroxides. <i>Applied Clay Science</i> , 2018 , 161, 1-5	5.2	15
444	Novel hydrothermal electrodeposition to fabricate mesoporous film of Ni _{0.8} Fe _{0.2} nanosheets for high performance oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 226-233	21.8	78
443	Novel inorganic tin phosphate gel: multifunctional material. <i>Chemical Communications</i> , 2018 , 54, 2682-2685	5.85	6
442	Synthesis, properties and applications of ZnO nanomaterials with oxygen vacancies: A review. <i>Ceramics International</i> , 2018 , 44, 7357-7377	5.1	219
441	Selective sorption of strontium using two different types of nanostructured manganese oxides. <i>Journal of Porous Materials</i> , 2018 , 25, 321-328	2.4	6
440	Electronic Structure Tuning in NiFeN/r-GO Aerogel toward Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Nano</i> , 2018 , 12, 245-253	16.7	347

439	Bisulfite assisted photocatalytic degradation of methylene blue by Ni-Fe-Mn oxide from MnO ₄ intercalated LDH. <i>Applied Clay Science</i> , 2018 , 161, 235-241	5.2	18
438	Electrodeposition preparation of NiCo ₂ O ₄ mesoporous film on ultrafine nickel wire for flexible asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018 , 345, 31-38	14.7	98
437	Porous solids by the pyrolysis of residue obtained after NaOH extraction of lignite. <i>Journal of Porous Materials</i> , 2018 , 25, 897-904	2.4	1
436	Spinel-type cobalt-manganese oxide catalyst for degradation of Orange II using a novel heterogeneous photo-chemical catalysis system. <i>Ceramics International</i> , 2018 , 44, 19474-19480	5.1	17
435	Nanoparticles of magnetite anchored onto few-layer graphene: A highly efficient Fenton-like nanocomposite catalyst. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 161-170	9.3	39
434	Tribocharging of macerals with various materials: Role of surface oxygen-containing groups and potential difference of macerals. <i>Fuel</i> , 2018 , 233, 759-768	7.1	17
433	Mechanism of zeolite X crystallization from diatomite. <i>Materials Research Bulletin</i> , 2018 , 107, 132-138	5.1	21
432	Micro-nanostructured BiO with surface oxygen vacancies as superior adsorbents for SeO ions. <i>Journal of Hazardous Materials</i> , 2018 , 360, 279-287	12.8	18
431	Green synthesis of nano-muscovite and niter from feldspar through accelerated geomimicking process. <i>Applied Clay Science</i> , 2018 , 165, 71-76	5.2	8
430	Fabrication and characterization of TiO ₂ /Sepiolite nanocomposites doped with rare earth ions. <i>Materials Letters</i> , 2018 , 228, 100-103	3.3	12
429	Effects of conventional ozonation and electro-peroxone pretreatment of surface water on disinfection by-product formation during subsequent chlorination. <i>Water Research</i> , 2018 , 130, 322-332	12.5	56
428	Direct Interfacial Growth of MnO ₂ Nanostructure on Hierarchically Porous Carbon for High-Performance Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 633-641	8.2	84
427	Ultrafast microwave-hydrothermal synthesis of hexagonal plates of hematite. <i>Materials Chemistry and Physics</i> , 2018 , 205, 210-216	4.4	9
426	Cr(VI) uptake by a composite of processed diatomite with MCM-41: Isotherm, kinetic and thermodynamic studies. <i>Microporous and Mesoporous Materials</i> , 2018 , 260, 84-92	5.3	50
425	Co-Mn-Fe complex oxide catalysts from layered double hydroxides for decomposition of methylene blue: Role of Mn. <i>Applied Clay Science</i> , 2018 , 152, 230-238	5.2	31
424	In situ transformation of geopolymer gels to self-supporting NaX zeolite monoliths with excellent compressive strength. <i>Microporous and Mesoporous Materials</i> , 2018 , 261, 164-169	5.3	18
423	Effect of porous properties on self-cooling of fired clay plate by evaporation of absorbed water. <i>Journal of Porous Materials</i> , 2018 , 25, 643-648	2.4	1
422	Synthesis and Characterization of a Dual-Cation Organomontmorillonite Nanocomposite. <i>Materials</i> , 2018 , 11,	3.5	3

421	Biomass as a Template Leads to [email[protected]] Aerogels for Efficient Photocatalytic Hydrogen Evolution and Stable Photoelectrochemical Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14911-14918	8.3	29
420	Enhanced Cycling Stability through Erbium Doping of LiMnO ₂ Cathode Material Synthesized by Sol-Gel Technique. <i>Materials</i> , 2018 , 11,	3.5	5
419	N-doped TiO ₂ /sepiolite nanocomposites with enhanced visible-light catalysis: Role of N precursors. <i>Applied Clay Science</i> , 2018 , 166, 9-17	5.2	36
418	Charging mechanism analysis of macerals during triboelectrostatic enrichment process: Insights from relative dielectric constant, specific resistivity and X-ray diffraction. <i>Fuel</i> , 2018 , 225, 533-541	7.1	14
417	Mineralogy controls on reactive transport of Marcellus Shale waters. <i>Science of the Total Environment</i> , 2018 , 630, 1573-1582	10.2	10
416	Hydrothermal synthesis of nano-kaolinite from K-feldspar. <i>Ceramics International</i> , 2018 , 44, 15611-15617	5.1	14
415	CO ₂ Adsorption by Several Types of Pillared Montmorillonite Clays. <i>Applied Petrochemical Research</i> , 2018 , 8, 173-177	1.9	9
414	Flexible and internal series-connected supercapacitors with high working voltage using ultralight porous carbon nanofilms. <i>Journal of Power Sources</i> , 2017 , 342, 762-771	8.9	17
413	Oxygen defects-mediated Z-scheme charge separation in g-C ₃ N ₄ /ZnO photocatalysts for enhanced visible-light degradation of 4-chlorophenol and hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 406-416	21.8	255
412	BiOCl and TiO ₂ deposited on exfoliated ZnCr-LDH to enhance visible-light photocatalytic decolorization of Rhodamine B. <i>Ceramics International</i> , 2017 , 43, 5751-5758	5.1	31
411	Phenol and/or Zn ²⁺ adsorption by single- or dual-cation organomontmorillonites. <i>Applied Clay Science</i> , 2017 , 140, 1-9	5.2	27
410	Highly mesoporous LaNiO ₃ /NiO composite with high specific surface area as a battery-type electrode. <i>Ceramics International</i> , 2017 , 43, 5687-5692	5.1	16
409	Remarkable electrochemical properties of novel LaNi _{0.5} Co _{0.5} O ₃ /0.333Co ₃ O ₄ hollow spheres with a mesoporous shell. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5838-5845	13	44
408	Nanoscale engineering of nitrogen-doped carbon nanofiber aerogels for enhanced lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8247-8254	13	101
407	Highly stable supercapacitors with MOF-derived Co ₉ S ₈ /carbon electrodes for high rate electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12453-12461	13	135
406	Flexible room-temperature formaldehyde sensors based on rGO film and rGo/MoS hybrid film. <i>Nanotechnology</i> , 2017 , 28, 325501	3.4	22
405	Sepiolite-TiO ₂ nanocomposites for photocatalysis: Synthesis by microwave hydrothermal treatment versus calcination. <i>Applied Clay Science</i> , 2017 , 146, 246-253	5.2	45
404	Facile synthesis of orthorhombic LiMnO ₂ nanorods by in-situ carbothermal reduction: Promising cathode material for Li ion batteries. <i>Ceramics International</i> , 2017 , 43, 10585-10589	5.1	24

403	Polymer-coal composite as a novel plastic material. <i>Materials Letters</i> , 2017 , 197, 31-34	3.3	10
402	Methoxy-grafted kaolinite preparation by intercalation of methanol: Mechanism of its structural variability. <i>Applied Clay Science</i> , 2017 , 137, 241-248	5.2	24
401	High-yield production of mesoporous nanoscrolls from kaolinite by ultrasonic assisted exfoliation. <i>Microporous and Mesoporous Materials</i> , 2017 , 241, 66-71	5.3	18
400	Liquid-Liquid Microextraction of Cu ²⁺ from Water Using a New Circle Microchannel Device. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12717-12725	3.9	22
399	Preparation of functionalized kaolinite/epoxy resin nanocomposites with enhanced thermal properties. <i>Applied Clay Science</i> , 2017 , 148, 103-108	5.2	35
398	Controlled synthesis of hexagonal Fe ₂ O ₃ crystals for ceramic colors by hydrothermal reaction of FeCl ₃ and NaOH solutions. <i>Ceramics International</i> , 2017 , 43, 14050-14056	5.1	7
397	An efficient SO ₂ -adsorbent from calcination of natural magnesite. <i>Ceramics International</i> , 2017 , 43, 12557-12567	5.1	7
396	Toward Aerogel Electrodes of Superior Rate Performance in Supercapacitors through Engineered Hollow Nanoparticles of NiCoO. <i>Advanced Science</i> , 2017 , 4, 1700345	13.6	32
395	Porous Ag-doped MnO ₂ thin films for supercapacitor electrodes. <i>Journal of Porous Materials</i> , 2017 , 24, 1717-1723	2.4	12
394	Reduced graphene oxide/MoS ₂ hybrid films for room-temperature formaldehyde detection. <i>Materials Letters</i> , 2017 , 189, 42-45	3.3	29
393	Nanoclay assisted electrochemical exfoliation of pencil core to high conductive graphene thin-film electrode. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 156-161	9.3	46
392	Cost-effective large-scale synthesis of oxygen-defective ZnO photocatalyst with superior activities under UV and visible light. <i>Ceramics International</i> , 2017 , 43, 1870-1879	5.1	29
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390	Synthesis of pore-expanded mesoporous ZIF-8/silica composites in the presence of swelling agent. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 81, 268-275	2.3	8
389	Visible light photocatalytic activity enhancement of Ag ₃ PO ₄ dispersed on exfoliated bentonite for degradation of rhodamine B. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 26-32	21.8	108
388	One-step synthesis of nanostructured mesoporous ZIF-8/silica composites. <i>Microporous and Mesoporous Materials</i> , 2016 , 219, 311-316	5.3	55
387	Surfactant-assisted synthesis of ZIF-8 nanocrystals for phthalic acid adsorption. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 80, 523-530	2.3	15
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381	Silylation of saponite with 3-aminopropyltriethoxysilane. <i>Applied Clay Science</i> , 2016 , 132-133, 133-139	5.2	25
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377	Simultaneous arsenate and alkali removal from alkaline wastewater by in-situ formation of ZnAl layered double hydroxide. <i>Microporous and Mesoporous Materials</i> , 2016 , 227, 137-143	5.3	8
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372	Producing petrochemicals from catalytic fast pyrolysis of corn fermentation residual by-products generated from citric acid production. <i>Renewable Energy</i> , 2016 , 89, 331-338	8.1	9
371	Facile fabrication of freestanding three-dimensional composites for supercapacitors. <i>Chemical Communications</i> , 2016 , 52, 2691-4	5.8	11
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