

Sridhar Komarneni

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566
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22,346
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L-index

#	Paper	IF	Citations
546	Feature article. Nanocomposites. <i>Journal of Materials Chemistry</i> , 1992 , 2, 1219		453
545	Microwave-hydrothermal synthesis of ceramic powders. <i>Materials Research Bulletin</i> , 1992 , 27, 1393-1405	5.1	424
544	Fly ash-based geopolymer: clean production, properties and applications. <i>Journal of Cleaner Production</i> , 2016 , 125, 253-267	10.3	404
543	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
542	Microwave Polyol Process for Pt and Ag Nanoparticles. <i>Langmuir</i> , 2002 , 18, 5959-5962	4	294
541	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
540	Biomolecule-assisted synthesis of highly ordered snowflake-like structures of bismuth sulfide nanorods. <i>Journal of the American Chemical Society</i> , 2004 , 126, 54-5	16.4	248
539	Synthesis of Smectite Clay Minerals: A Critical Review. <i>Clays and Clay Minerals</i> , 1999 , 47, 529-554	2.1	244
538	Direct Synthesis of Titanium-Substituted Mesoporous SBA-15 Molecular Sieve under Microwave Hydrothermal Conditions. <i>Chemistry of Materials</i> , 2001 , 13, 552-557	9.6	235
537	Ordered SBA-15 nanorod arrays inside a porous alumina membrane. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8650-1	16.4	229
536	Synthesis, properties and applications of ZnO nanomaterials with oxygen vacancies: A review. <i>Ceramics International</i> , 2018 , 44, 7357-7377	5.1	219
535	Catalytic fast pyrolysis of biomass with mesoporous ZSM-5 zeolites prepared by desilication with NaOH solutions. <i>Applied Catalysis A: General</i> , 2014 , 470, 115-122	5.1	216
534	Microwave-Hydrothermal Synthesis of Nanophase Ferrites. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 3041-3043	3.8	215
533	Defect-rich ZnO nanosheets of high surface area as an efficient visible-light photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 8-16	21.8	183
532	Capture of radioactive cesium and iodide ions from water by using titanate nanofibers and nanotubes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10594-8	16.4	178
531	Microwave-hydrothermal processing for synthesis of electroceramic powders. <i>Journal of Materials Research</i> , 1993 , 8, 3176-3183	2.5	166
530	Confined Formation of Ultrathin ZnO Nanorods/Reduced Graphene Oxide Mesoporous Nanocomposites for High-Performance Room-Temperature NO Sensors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35454-35463	9.5	165

529	Amine-modified mesocellular silica foams for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2011 , 168, 918-924	12.7	150
528	Microwave-Hydrothermal Crystallization of Polymorphic MnO ₂ for Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10770-10779	3.8	148
527	Synthesis and deposition of ultrafine Pt nanoparticles within high aspect ratio TiO ₂ nanotube arrays: application to the photocatalytic reduction of carbon dioxide. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13429		146
526	Electro-peroxone treatment of Orange II dye wastewater. <i>Water Research</i> , 2013 , 47, 6234-43	12.5	142
525	Microwave-hydrothermal processing of titanium dioxide. <i>Materials Chemistry and Physics</i> , 1999 , 61, 50-54	4.4	136
524	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
523	Improving the aromatic production in catalytic fast pyrolysis of cellulose by co-feeding low-density polyethylene. <i>Applied Catalysis A: General</i> , 2013 , 455, 114-121	5.1	133
522	Hydrothermal Preparation of Ultrafine Ferrites and Their Sintering. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-26-C-28	3.8	128
521	Control over Microporosity of Ordered Microporous/Mesoporous Silica SBA-15 Framework under Microwave-Hydrothermal Conditions: Effect of Salt Addition. <i>Chemistry of Materials</i> , 2001 , 13, 4573-4579	8.6	127
520	Microwave-Hydrothermal Synthesis and Characterization of Zirconium Substituted SBA-15 Mesoporous Silica. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 8356-8360	3.4	123
519	Porous carbons prepared by direct carbonization of MOFs for supercapacitors. <i>Applied Surface Science</i> , 2014 , 308, 306-310	6.7	122
518	Synthesis of ZnO with and without microwaves. <i>Materials Research Bulletin</i> , 2000 , 35, 1843-1847	5.1	121
517	Biomolecule-Assisted Reduction in the Synthesis of Single-Crystalline Tellurium Nanowires. <i>Advanced Materials</i> , 2004 , 16, 1629-1632	24	117
516	Interface Reaction for the Self-Assembly of Silver Nanocrystals under Microwave-Assisted Solvothermal Conditions. <i>Chemistry of Materials</i> , 2005 , 17, 856-860	9.6	116
515	Bulk synthesis and selective exchange of strontium ions in Na ₄ Mg ₆ Al ₄ Si ₄ O ₂₀ F ₄ mica. <i>Nature</i> , 1992 , 357, 571-573	50.4	116
514	Microwave-Assisted Polyol Process for Synthesis of Ni Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1510-1517	3.8	115
513	Reactions of Cu ²⁺ and Pb ²⁺ with Mg/Al layered double hydroxide. <i>Applied Clay Science</i> , 2007 , 37, 143-148	4.2	113
512	A green chemical approach to the synthesis of tellurium nanowires. <i>Langmuir</i> , 2005 , 21, 6002-5	4	113

511	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
510	Microwave-hydrothermal synthesis and characterization of barium titanate powders. <i>Materials Research Bulletin</i> , 2001 , 36, 2347-2355	5.1	107
509	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
508	Novel function for anionic clays: selective transition metal cation uptake by diadochy. <i>Journal of Materials Chemistry</i> , 1998 , 8, 1329-1331		103
507	Microwave-hydrothermal processing of metal powders. <i>Journal of Materials Research</i> , 1995 , 10, 1687-1692	2.5	103
506	Microwave-Hydrothermal Synthesis of Monodispersed Nanophase Fe ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2004 , 84, 2313-2317	3.8	102
505	Nanophase materials by a novel microwave-hydrothermal process. <i>Pure and Applied Chemistry</i> , 2002 , 74, 1537-1543	2.1	102
504	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
503	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
502	Extremely enhanced CO ₂ uptake by HKUST-1 metal-organic framework via a simple chemical treatment. <i>Microporous and Mesoporous Materials</i> , 2014 , 183, 69-73	5.3	98
501	Rapid synthesis of mesoporous SBA-15 molecular sieve by a microwave-hydrothermal process. <i>Chemical Communications</i> , 2000 , 2389-2390	5.8	98
500	Synthesis and Characterization of Poly(vinylidene fluoride)-g-sulfonated Polystyrene Graft Copolymers for Proton Exchange Membrane. <i>Macromolecules</i> , 2008 , 41, 9130-9139	5.5	95
499	Uptake of arsenite by synthetic layered double hydroxides. <i>Water Research</i> , 2009 , 43, 3884-90	12.5	94
498	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
497	Cr(VI) reduction and immobilization by novel carbonaceous modified magnetic Fe ₃ O ₄ /halloysite nanohybrid. <i>Journal of Hazardous Materials</i> , 2016 , 309, 151-6	12.8	93
496	Phosphate removal from solution by composite of MCM-41 silica with rice husk: Kinetic and equilibrium studies. <i>Microporous and Mesoporous Materials</i> , 2016 , 224, 51-57	5.3	92
495	Microwave-hydrothermal processing of layered anion exchangers. <i>Journal of Materials Research</i> , 1996 , 11, 1866-1869	2.5	92
494	Polyethylenimine functionalized halloysite nanotubes for efficient removal and fixation of Cr (VI). <i>Microporous and Mesoporous Materials</i> , 2015 , 207, 46-52	5.3	90

493	Sol-gel Fabrication of Epitaxial and Oriented TiO ₂ Thin Films. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1167-1170	3.8	90
492	Microwave-Hydrothermal processing for synthesis of layered and network phosphates. <i>Journal of Materials Chemistry</i> , 1994 , 4, 1903-1906		89
491	Hierarchical ZnO Nanosheet-Nanorod Architectures for Fabrication of Poly(3-hexylthiophene)/ZnO Hybrid NO ₂ Sensor. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8600-7	9.5	87
490	Mineral mesopore effects on nitrogenous organic matter adsorption. <i>Organic Geochemistry</i> , 2004 , 35, 355-375	3.1	87
489	Environment. Superselective clay for radium uptake. <i>Nature</i> , 2001 , 410, 771	50.4	86
488	Use of Zirconium phosphate for Cs removal from radioactive waste. <i>Nature</i> , 1982 , 299, 707-708	50.4	86
487	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	8.3	84
486	Highly selective removal of nitrate and perchlorate by organoclay. <i>Applied Clay Science</i> , 2014 , 95, 126-133	3.2	83
485	Cr(VI) adsorption by montmorillonite nanocomposites. <i>Applied Clay Science</i> , 2016 , 124-125, 111-118	5.2	82
484	Carbon with ultrahigh capacitance when graphene paper meets K ₃ Fe(CN) ₆ . <i>Nanoscale</i> , 2015 , 7, 432-9	7.7	81
483	Selective Cation Exchange in Substituted Tobermorites. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1668-1674	3.8	80
482	Role of Fe ₂ O ₃ Morphology on the Color of Red Pigment for Porcelain. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 183-185	3.8	79
481	Visible-light photocatalytic decolorization of Orange II on Cu ₂ O/ZnO nanocomposites. <i>Ceramics International</i> , 2015 , 41, 2050-2056	5.1	78
480	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
479	Selective capture of iodide from solutions by microrosette-like Bi ₂ O ₃ . <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16082-90	9.5	78
478	Microwave-Hydrothermal Processing of BiFeO ₃ and CsAl ₂ PO ₆ . <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1409-1412	3.8	76
477	Cellulose-Directed Growth of Selenium Nanobelts in Solution. <i>Chemistry of Materials</i> , 2006 , 18, 159-163	9.6	73
476	Selective Exchange and Fixation of Strontium Ions with Ultrafine Na-4-mica. <i>Langmuir</i> , 2001 , 17, 4881-4886	3.6	73

475	Synthesis of Glass-like Cordierite from Metal Alkoxides and Characterization by ^{27}Al and ^{29}Si MASNMR. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3663-3669	3.8	73
474	Barium titanate ceramics prepared from conventional and microwave hydrothermal powders. <i>Materials Letters</i> , 1999 , 38, 344-350	3.3	72
473	Nucleation of alpha alumina in boehmite gel. <i>Journal of Materials Research</i> , 1990 , 5, 278-285	2.5	71
472	Adsorption of light hydrocarbons on HMS type mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2003 , 65, 267-276	5.3	70
471	ZSM-5 zeolite/porous carbon composite: Conventional- and microwave-hydrothermal synthesis from carbonized rice husk. <i>Microporous and Mesoporous Materials</i> , 2005 , 86, 145-151	5.3	70
470	Stepwise functionalization of mesoporous crystalline silica materials. <i>Microporous and Mesoporous Materials</i> , 1998 , 25, 75-80	5.3	69
469	Synthetic hydrotalcite-type and hydrocalumite-type layered double hydroxides for arsenate uptake. <i>Applied Clay Science</i> , 2010 , 48, 631-637	5.2	68
468	Surface Charge of Variable Porosity $\text{Al}_2\text{O}_3(\text{s})$ and $\text{SiO}_2(\text{s})$ Adsorbents. <i>Journal of Porous Materials</i> , 2002 , 9, 243-256	2.4	68
467	Microwave-assisted versus conventional synthesis of zeolite A from metakaolinite. <i>Microporous and Mesoporous Materials</i> , 2008 , 115, 527-534	5.3	67
466	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
465	Sustainable seaweed-based one-dimensional (1D) nanofibers as high-performance electrocatalysts for fuel cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14188-14194	13	64
464	Influence of Tetrahedral Layer Charge on the Organization of Interlayer Water and Ions in Synthetic Na-Saturated Smectites. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 4158-4172	3.8	61
463	Na-4-mica: Cd^{2+} , Ni^{2+} , Co^{2+} , Mn^{2+} and Zn^{2+} ion exchange. <i>Journal of Materials Chemistry</i> , 1999 , 9, 533-539		61
462	Optimizing the distribution of aromatic products from catalytic fast pyrolysis of cellulose by ZSM-5 modification with boron and co-feeding of low-density polyethylene. <i>Applied Catalysis A: General</i> , 2014 , 487, 45-53	5.1	60
461	Fast synthesis of cerium oxide nanoparticles and nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3812-9	1.3	60
460	Time-resolved structural analysis of K- and Ba-exchange reactions with synthetic Na-birnessite using synchrotron X-ray diffraction. <i>American Mineralogist</i> , 2007 , 92, 380-387	2.9	60
459	Template free ZSM-5 from siliceous rice hull ash with varying C contents. <i>Microporous and Mesoporous Materials</i> , 2006 , 93, 134-140	5.3	60
458	CO_2 adsorption on Santa Barbara Amorphous-15 (SBA-15) and amine-modified Santa Barbara Amorphous-15 (SBA-15) with and without controlled microporosity. <i>Journal of Colloid and Interface Science</i> , 2013 , 390, 217-24	9.3	59

457	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
456	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
455	Sol-gel processing of PbTiO ₃ and Pb(Zr _{0.52} Ti _{0.48})O ₃ fibers. <i>Journal of Materials Research</i> , 1992 , 7, 992-996	2.5	56
454	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
453	One-step synthesis of nanostructured mesoporous ZIF-8/silica composites. <i>Microporous and Mesoporous Materials</i> , 2016 , 219, 311-316	5.3	55
452	A Cs(x)WO ₃ /ZnO nanocomposite as a smart coating for photocatalytic environmental cleanup and heat insulation. <i>Nanoscale</i> , 2015 , 7, 17048-54	7.7	55
451	Nanocomposite of exfoliated bentonite/g-C ₃ N ₄ /Ag ₃ PO ₄ for enhanced visible-light photocatalytic decomposition of Rhodamine B. <i>Chemosphere</i> , 2016 , 162, 269-76	8.4	55
450	Separate or Simultaneous Removal of Radioactive Cations and Anions from Water by Layered Sodium Vanadate-Based Sorbents. <i>Chemistry of Materials</i> , 2014 , 26, 4788-4795	9.6	55
449	Rapid synthesis of AlPO ₄ -11 and cloverite by microwavehydrothermal processing. <i>Microporous and Mesoporous Materials</i> , 1998 , 20, 39-44	5.3	55
448	Adsorption of methylene blue and Orange II pollutants on activated carbon prepared from banana peel. <i>Journal of Porous Materials</i> , 2015 , 22, 301-311	2.4	54
447	Fabrication of AgBr/Ag ₂ CrO ₄ composites for enhanced visible-light photocatalytic activity. <i>Ceramics International</i> , 2015 , 41, 12509-12513	5.1	53
446	Fluoride removal by ordered and disordered mesoporous aluminas. <i>Microporous and Mesoporous Materials</i> , 2014 , 197, 156-163	5.3	53
445	Synthesis and Dielectric Properties of Solution Sol-Gel-Derived 0.9Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.1PbTiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2996-2999	3.8	53
444	Substituted Tobermorites: ²⁷ Al and ²⁹ Si MASNMR, Cation Exchange, and Water Sorption Studies. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 274-279	3.8	53
443	Investigation of the synergistic effects for p-nitrophenol mineralization by a combined process of ozonation and electrolysis using a boron-doped diamond anode. <i>Journal of Hazardous Materials</i> , 2014 , 280, 644-53	12.8	52
442	Microwave- and conventional-hydrothermal synthesis of CuS, SnS and ZnS: Optical properties. <i>Ceramics International</i> , 2013 , 39, 4757-4763	5.1	52
441	An investigation on the use of electrolytic manganese residue as filler in sulfur concrete. <i>Construction and Building Materials</i> , 2014 , 73, 305-310	6.7	51
440	Morphological and Kinetic Studies on Hexagonal Tungstates. <i>Chemistry of Materials</i> , 2007 , 19, 185-197	9.6	51

- 439 Microwave-hydrothermal process for the synthesis of rutile. *Materials Research Bulletin*, **2005**, 40, 2014-2020 51
- 438 Preparation of La₂Zr₂O₇ by Sol-Gel Route. *Journal of the American Ceramic Society*, **1991**, 74, 422-424 3.8 51
- 437 Cr(VI) uptake by a composite of processed diatomite with MCM-41: Isotherm, kinetic and thermodynamic studies. *Microporous and Mesoporous Materials*, **2018**, 260, 84-92 5.3 50
- 436 Thermally stable phosphorus and nickel modified ZSM-5 zeolites for catalytic co-pyrolysis of biomass and plastics. *RSC Advances*, **2015**, 5, 30485-30494 3.7 49
- 435 BiOCl dispersed on NiFe₂LDH leads to enhanced photo-degradation of Rhodamine B dye. *Applied Clay Science*, **2015**, 109-110, 76-82 5.2 49
- 434 Solid-State Epitaxial Effects in Structurally Diphasic Xerogel of Pb(Mg_{1/3}Nb_{2/3})O₃. *Journal of the American Ceramic Society*, **1990**, 73, 1024-1025 3.8 49
- 433 Fabrication, performance and mechanism of MgO meso-/macroporous nanostructures for simultaneous removal of As(III) and F in a groundwater system. *Environmental Science: Nano*, **2016**, 3, 1416-1424 7.1 49
- 432 Titania gel spheres by a new sol-gel process. *Materials Letters*, **1985**, 3, 165-167 3.3 48
- 431 Self-Supportive Mesoporous Ni/Co/Fe Phosphosulfide Nanorods Derived from Novel Hydrothermal Electrodeposition as a Highly Efficient Electrocatalyst for Overall Water Splitting. *Small*, **2019**, 15, e1905201 11 47
- 430 Microwave- versus Conventional-Hydrothermal Synthesis of Hydroxyapatite Crystals from Gypsum. *Journal of the American Ceramic Society*, **2004**, 82, 2257-2259 3.8 47
- 429 Solid-state epitaxy demonstrated by thermal reactions of structurally diphasic xerogels: The system Al₂O₃. *Journal of Materials Science Letters*, **1986**, 5, 21-24 47
- 428 Nanoclay assisted electrochemical exfoliation of pencil core to high conductive graphene thin-film electrode. *Journal of Colloid and Interface Science*, **2017**, 487, 156-161 9.3 46
- 427 Protein-assisted synthesis of single-crystal nanowires of bismuth compounds. *Chemical Communications*, **2005**, 531-3 5.8 46
- 426 Microwave Versus Conventional-Hydrothermal Synthesis of NaY Zeolite. *Journal of Porous Materials*, **2001**, 8, 5-12 2.4 46
- 425 Preparation and densification of forsterite (Mg₂SiO₄) by nanocomposite sol-gel processing. *Materials Letters*, **1990**, 9, 405-409 3.3 46
- 424 Sepiolite-TiO₂ nanocomposites for photocatalysis: Synthesis by microwave hydrothermal treatment versus calcination. *Applied Clay Science*, **2017**, 146, 246-253 5.2 45
- 423 Sol-gel processing of cordierite: Effect of seeding and optimization of heat treatment. *Journal of Materials Research*, **1990**, 5, 1095-1103 2.5 45
- 422 Diphasic ceramic composites via a sol-gel method. *Materials Letters*, **1984**, 2, 245-247 3.3 45

4 ²¹	Lowering Crystallization Temperatures by Seeding in Structurally Diphasic Al ₂ O ₃ -MgO Xerogels. <i>Journal of the American Ceramic Society</i> , 1985 , 68, C-238-C-240	3.8	45
4 ²⁰	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
4 ¹⁹	Evaluation of ZnAl ₂ (SO ₄) ₂ layered double hydroxide for the removal of arsenite and arsenate from a simulated soil solution: Isotherms and kinetics. <i>Applied Clay Science</i> , 2014 , 95, 119-125	5.2	43
4 ¹⁸	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
4 ¹⁷	Conventional- vs microwave-hydrothermal synthesis of tin oxide, SnO ₂ nanoparticles. <i>Ceramics International</i> , 2009 , 35, 3375-3379	5.1	42
4 ¹⁶	Microwave versus conventional preparation of organoclays from natural and synthetic clays. <i>Applied Clay Science</i> , 2006 , 31, 134-141	5.2	42
4 ¹⁵	Pore structures of fly ashes activated by Ca(OH) ₂ and CaSO ₄ · 2H ₂ O. <i>Cement and Concrete Research</i> , 1995 , 25, 417-425	10.3	42
4 ¹⁴	Facile synthesis of mesoporous MOF/silica composites. <i>RSC Advances</i> , 2014 , 4, 57501-57504	3.7	41
4 ¹³	Removal of perchlorate by synthetic organosilicas and organoclay: Kinetics and isotherm studies. <i>Applied Clay Science</i> , 2013 , 71, 21-26	5.2	41
4 ¹²	Perchlorate uptake by synthetic layered double hydroxides and organo-clay minerals. <i>Applied Clay Science</i> , 2011 , 51, 158-164	5.2	41
4 ¹¹	Solvothermal preparation of TiO ₂ /saponite nanocomposites and photocatalytic activity. <i>Applied Clay Science</i> , 2009 , 46, 363-368	5.2	41
4 ¹⁰	Characterization and cation exchange properties of zeolite synthesized from fly ashes. <i>Journal of Materials Research</i> , 1998 , 13, 3-7	2.5	41
4 ⁰⁹	Specific Cadmium Sorption in Relation to the Crystal Chemistry of Clay Minerals. <i>Soil Science Society of America Journal</i> , 1988 , 52, 49-53	2.5	41
4 ⁰⁸	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
4 ⁰⁷	In situ stabilization of As and Sb with naturally occurring Mn, Al and Fe oxides in a calcareous soil: bioaccessibility, bioavailability and speciation studies. <i>Journal of Hazardous Materials</i> , 2014 , 273, 247-52	12.8	40
4 ⁰⁶	Mechanism of Microwave Heating of Zeolite A. <i>Journal of Porous Materials</i> , 2001 , 8, 23-35	2.4	40
4 ⁰⁵	Porous hydroxyapatite monoliths from gypsum waste. <i>Journal of Materials Chemistry</i> , 1998 , 8, 2803-2806		40
4 ⁰⁴	Sol-gel synthesis of Ln ₂ (Ln = La, Nd)Ti ₂ O ₇ . <i>Journal of Materials Research</i> , 1992 , 7, 2859-2863	2.5	40

403	Cation exchange properties of a layered manganic acid. <i>Materials Research Bulletin</i> , 1992 , 27, 741-751	5.1	40
402	Equilibrium and kinetic studies for adsorption of iron from aqueous solution by synthetic Na-A zeolites: Statistical modeling and optimization. <i>Microporous and Mesoporous Materials</i> , 2016 , 228, 266-274	5.3	40
401	Wearable Solid-State Supercapacitors Operating at High Working Voltage with a Flexible Nanocomposite Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25905-25914	9.5	39
400	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
399	Nanocomposite aerogels: The SiO ₂ /Al ₂ O ₃ system. <i>Journal of Materials Research</i> , 1993 , 8, 3163-3167	2.5	39
398	Zeolites for fixation of cesium and strontium from radwastes by thermal and hydrothermal treatments. <i>Nuclear and Chemical Waste Management</i> , 1981 , 2, 259-264		39
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