Steven L Suib

List of Publications by Year in Descending Order

368 papers	18,625 citations	75 h-index	125 g-index
380 ext. papers	20,983 ext. citations	8.6 avg, IF	6.96 L-index

#	Paper	IF	Citations
368	Removal of As(V) from wastewaters using magnetic iron oxides formed by zero-valent iron electrocoagulation.. *Journal of Environmental Management*, **2022**, 307, 114519	7.9	0
367	Partial oxidation of isobutylene using Ni TiOx. *Applied Catalysis B: Environmental*, **2022**, 300, 120711	21.8	0
366	A two-electron transfer mechanism of the Zn-doped MnO2 cathode toward aqueous Zn-ion batteries with ultrahigh capacity. *Journal of Materials Chemistry A*, **2022**, 10, 6762-6771	13	4
365	Assessment of micropore accessibility for hydrocarbon oxidation in manganese oxide sieves. *Applied Catalysis A: General*, **2022**, 635, 118557	5.1	0
364	Syntheses of gold supported on metal oxides and their application in organic transformations. *Microporous and Mesoporous Materials*, **2022**, 336, 111888	5.3	1
363	Transition-metal doped titanate nanowire photocatalysts boosted by selective ion-exchange induced defect engineering. *Applied Surface Science*, **2022**, 591, 153116	6.7	1
362	Selenium-doped copper oxide nanoarrays: Robust electrocatalyst for the oxygen evolution reaction with ultralow overpotential. *Applied Materials Today*, **2022**, 27, 101485	6.6	0
361	Focused Ion Beam-Prepared Transmission Electron Microscopy Examination of Atmospheric Chemical Vapor-Infiltrated Silicon Carbide Morphology. *ACS Omega*, **2021**, 6, 863-870	3.9	0
360	Structure-property correlations and scaling in the magnetic and magnetocaloric properties of GdCrOparticles. *Journal of Physics Condensed Matter*, **2021**, 33,	1.8	4
359	High Performance Composite Polymer Electrolytes for Lithium-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2101380	15.6	34
358	Large Scale Synthesis of Manganese Oxide/Reduced Graphene Oxide Composites as Anode Materials for Long Cycle Lithium Ion Batteries. *ACS Applied Energy Materials*, **2021**, 4, 5424-5433	6.1	0
357	Cactus-like NiCo2S4@NiFe LDH hollow spheres as an effective oxygen bifunctional electrocatalyst in alkaline solution. *Applied Catalysis B: Environmental*, **2021**, 286, 119869	21.8	54
356	Comparison of the dielectric and magnetocaloric properties of bulk and film of GdFe0.5Cr0.5O3. *Journal of Applied Physics*, **2021**, 129, 243904	2.5	2
355	Magnetic Nanoparticles with Surface Nanopockets for Highly Selective Antibody Isolation.. *ACS Applied Bio Materials*, **2021**, 4, 6157-6166	4.1	3
354	Tailoring Defects in Photocatalysts by Engineering Solvent Interactions for Highly Active and Responsive Color Switching. *Advanced Optical Materials*, **2021**, 9, 2101115	8.1	2
353	Bioinspired Oil-Infused Slippery Surfaces with Water and Ion Barrier Properties. *ACS Applied Materials & Interfaces*, **2021**, 13, 33464-33476	9.5	1
352	Solvent effects on the heterogeneous growth of TiO2 nanostructure arrays by solvothermal synthesis. *Catalysis Today*, **2021**, 360, 275-283	5.3	11

351	Comparison of structural and catalytic properties of monometallic Mo and V oxides and M1 phase mixed oxides for oxidative dehydrogenation. *Catalysis Today*, **2021**, 368, 28-45	5.3	4
350	Formation and transformation of manganese(III) intermediates in the photochemical generation of manganese(IV) oxide minerals. *Chemosphere*, **2021**, 262, 128082	8.4	3
349	Mass transport in nanoarray monolithic catalysts: An experimental-theory study. *Chemical Engineering Journal*, **2021**, 405, 126906	14.7	6
348	Roles of Enhancement of C H Activation and Diminution of C O Formation Within M1-Phase Pores in Propane Selective Oxidation. *ChemCatChem*, **2021**, 13, 882-899	5.2	6
347	Identification of key oxidative intermediates and the function of chromium dopants in PKU-8: catalytic dehydrogenation of sec-alcohols with tert-butylhydroperoxide. *Catalysis Science and Technology*, **2021**, 11, 1365-1374	5.5	2
346	Synergistic catalysis by Mn promoted ceria for molecular oxygen assisted epoxidation. *Applied Catalysis B: Environmental*, **2021**, 282, 119573	21.8	13
345	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
344	Selective Oxidative Coupling of Amines Using Mesoporous MoOx Catalysts. *ACS Applied Nano Materials*, **2021**, 4, 2086-2097	5.6	2
343	Fe doped aluminoborate PKU-1 catalysts for the ketalization of glycerol to solketal: Unveiling the effects of iron composition and boron. *Chinese Chemical Letters*, **2021**,	8.1	1
342	Role of catalytic nitrile decomposition in tricopper complex mediated direct partial oxidation of methane to methanol. *Scientific Reports*, **2021**, 11, 19175	4.9	2
341	Revealing the effect of interfacial electron transfer in heterostructured Co9S8@NiFe LDH for enhanced electrocatalytic oxygen evolution. *Journal of Materials Chemistry A*, **2021**, 9, 12244-12254	13	7
340	Enhanced Catalytic Activity of a Vanadium-Doped Mesoporous Octahedral Molecular Sieve-2 (K-OMS-2) toward Hydrogen Evolution Reaction. *ACS Applied Energy Materials*, **2020**, 3, 12185-12193	6.1	3
339	New findings and current controversies in the reaction of ruthenium red and ammonium cerium(IV) nitrate: focus on the precipitated compound. *Catalysis Science and Technology*, **2020**, 10, 2491-2502	5.5	1
338	Thermally activated structural transformations in manganese oxide nanoparticles under air and argon atmospheres. *Journal of Materials Science*, **2020**, 55, 7247-7258	4.3	8
337	Self-grown NiCuOx hybrids on a porous NiCuC substrate as an HER cathode in alkaline solution. *Applied Surface Science*, **2020**, 515, 146117	6.7	7
336	Intrafibrillar Mineralized Collagen-Hydroxyapatite-Based Scaffolds for Bone Regeneration. *ACS Applied Materials & Interfaces*, **2020**, 12, 18235-18249	9.5	38
335	High surface area mesoporous tungsten oxide for fast, green oxidation of organosulfur compounds in crude oil. *Applied Materials Today*, **2020**, 19, 100616	6.6	5
334	Crystalline Mesoporous Complex Oxides: Porosity-Controlled Electromagnetic Response. *Advanced Functional Materials*, **2020**, 30, 1909491	15.6	5

333	Amorphous Manganese Oxides: An Approach for Reversible Aqueous Zinc-Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 1627-1633	6.1	20
332	Atmospheric pressure chemical vapor infiltration of a titanium carbide interphase coating on carbon fiber. *Ceramics International*, **2020**, 46, 15084-15091	5.1	8
331	Epitaxial growth mechanism of heterogeneous catalytic oxidation of Mn(II) on manganite under oxic conditions. *Chemical Geology*, **2020**, 547, 119670	4.2	3
330	Facile preparation of porous manganese oxide foams, sponges, and merged spherical networks, using Polydopamine/Dextran for catalytic oxidation of cyclohexane. *Microporous and Mesoporous Materials*, **2020**, 295, 109740	5.3	1
329	Activity and stability of mesoporous CeO2 and ZrO2 catalysts for the self-condensation of cyclopentanone. *Applied Catalysis B: Environmental*, **2020**, 267, 118373	21.8	13
328	Photo-generated reactive oxygen species assisted tandem amine homocoupling and amine-alcohol cross-coupling reaction on mesoporous spinel cobalt oxide. *Applied Catalysis B: Environmental*, **2020** , 268, 118386	21.8	11
327	Enhanced visible-light-assisted peroxymonosulfate activation on cobalt-doped mesoporous iron oxide for orange II degradation. *Applied Catalysis B: Environmental*, **2020**, 263, 118332	21.8	33
326	Mesoporous Molybdenum-Tungsten Mixed Metal Oxide: A Solid Acid Catalyst for Green, Highly Efficient sp-sp C-C Coupling Reactions. *ACS Applied Materials & Interfaces*, **2020**, 12, 5990-5998	9.5	5
325	A novel, mesoporous molybdenum doped titanium dioxide/reduced graphene oxide composite as a green, highly efficient solid acid catalyst for acetalization. *Dalton Transactions*, **2020**, 49, 3786-3795	4.3	6
324	Water Harvesting from the Atmosphere in Arid Areas with Manganese Dioxide. *Environmental Science and Technology Letters*, **2020**, 7, 48-53	11	18
323	A novel generalized metal dissolution approach for the synthesis of mixed valent mesoporous metal oxides. *Materials Today*, **2020**, 35, 50-68	21.8	5
322	Mesoporous Co3O4 catalysts for VOC elimination: Oxidation of 2-propanol. *Applied Catalysis A: General*, **2020**, 590, 117366	5.1	23
321	Polymer-Assisted Co-Assembly towards Synthesis of Mesoporous Titania Encapsulated Monodisperse PdAu for Highly Selective Hydrogenation of Phenylacetylene. *ChemCatChem*, **2020**, 12, 1476-1482	5.2	5
320	Self-limiting growth of ligand-free ultrasmall bimetallic nanoparticles on carbon through under temperature reduction for highly efficient methanol electrooxidation and selective hydrogenation. *Applied Catalysis B: Environmental*, **2020**, 264, 118553	21.8	10
319	Mesoporous Crystalline Niobium Oxide with a High Surface Area: A Solid Acid Catalyst for Alkyne Hydration. *ACS Applied Materials & Interfaces*, **2020**, 12, 47389-47396	9.5	5
318	Supported Pt Nanoparticles on Mesoporous Titania for Selective Hydrogenation of Phenylacetylene. *Frontiers in Chemistry*, **2020**, 8, 581512	5	5
317	Morphological Control of Silicon Carbide Deposited on Hi-Nicalon Type S Fiber Using Atmospheric Pressure Chemical Vapor Infiltration. *ACS Omega*, **2020**, 5, 24811-24817	3.9	2
316	Nanoporous Co/Mn-Mixed Metal Oxides Templated via Polysulfones for Amine Oxidation. *ACS Applied Nano Materials*, **2020**, 3, 11923-11932	5.6	2

315	Multifunctional transition metal doped titanium dioxide reduced graphene oxide composites as highly efficient adsorbents and photocatalysts. *Microporous and Mesoporous Materials*, **2020**, 307, 110521	5.3	7
314	Metabolites of Tobacco- and E-Cigarette-Related Nitrosamines Can Drive Cu-Mediated DNA Oxidation. *Chemical Research in Toxicology*, **2020**, 33, 2072-2086	4	3
313	Effect of lithium incorporation on tweaking the electrocatalytic behavior of tantalum-based oxides. *Journal of Materials Chemistry A*, **2020**, 8, 23413-23426	13	2
312	Significantly increased Raman enhancement on defect-rich O-incorporated 1T-MoS2 nanosheets. *Journal of Materials Science*, **2020**, 55, 16374-16384	4.3	8
311	Toward Long-Term Accurate and Continuous Monitoring of Nitrate in Wastewater Using Poly(tetrafluoroethylene) (PTFE)-Solid-State Ion-Selective Electrodes (S-ISEs). *ACS Sensors*, **2020**, 5, 3182-3193	9.2	14
310	Identification of Reaction Intermediates and Mechanistic Understandings of Methane Oxidation over Hematite: A Combined Experimental and Theoretical Study. *Journal of the American Chemical Society*, **2020**, 142, 17119-17130	16.4	14
309	Moisture-Induced Structural Degradation in Methylammonium Lead Iodide Perovskite Thin Films. *ACS Applied Energy Materials*, **2020**, 3, 8240-8248	6.1	14
308	Modified Solution Combustion Synthesis (SCS) of nickel oxide, NiO sphere clusters using glucans and sodium salts: Application for electrocatalytic decomposition of urea. *Microporous and Mesoporous Materials*, **2020**, 295, 109750	5.3	2
307	Some novel porous materials for selective catalytic oxidations. *Materials Today*, **2020**, 32, 244-259	21.8	24
306	Energy-Geometry Dependency of Molecular Structures: A Multistep Machine Learning Approach. *ACS Combinatorial Science*, **2019**, 21, 614-621	3.9	2
305	Structure-property relationship of graphene coupled metal (Ni, Co, Fe) (oxy)hydroxides for efficient electrochemical evolution of oxygen. *Journal of Catalysis*, **2019**, 377, 619-628	7.3	12
304	Ternary Palladium-Boron-Phosphorus Alloy Mesoporous Nanospheres for Highly Efficient Electrocatalysis. *ACS Nano*, **2019**, 13, 12052-12061	16.7	62
303	One-Pot Aqueous and Template-Free Synthesis of Mesoporous Polymeric Resins. *Catalysts*, **2019**, 9, 782	4	0
302	Enhanced adsorption removal of arsenic from mining wastewater using birnessite under electrochemical redox reactions. *Chemical Engineering Journal*, **2019**, 375, 122051	14.7	39
301	In Situ Growth of Ni2PCu3P Bimetallic Phosphide with Bicontinuous Structure on Self-Supported NiCuC Substrate as an Efficient Hydrogen Evolution Reaction Electrocatalyst. *ACS Catalysis*, **2019**, 9, 6919-6928	13.1	83
300	Aerobic Self-Esterification of Alcohols Assisted by Mesoporous Manganese and Cobalt Oxide. *ChemCatChem*, **2019**, 11, 3413-3422	5.2	0
299	Microwave-assisted integration of transition metal oxide nanocoatings on manganese oxide nanoarray monoliths for low temperature CO oxidation. *Applied Catalysis B: Environmental*, **2019**, 255, 117766	21.8	24
298	Ion-Exchange Loading Promoted Stability of Platinum Catalysts Supported on Layered Protonated Titanate-Derived Titania Nanoarrays. *ACS Applied Materials & Interfaces*, **2019**, 11, 21515-21525	9.5	7

297	One-pot aqueous synthesis of ultrathin trimetallic PdPtCu nanosheets for the electrooxidation of alcohols. *Green Chemistry*, **2019**, 21, 2367-2374	10	46
296	First-principles study of carbon capture and storage properties of porous MnO2 octahedral molecular sieve OMS-5. *Powder Diffraction*, **2019**, 34, 13-20	1.8	1
295	Syntheses of ZnO with Different Morphologies: Catalytic Activity toward Coumarin Synthesis via the Knoevenagel Condensation Reaction. *Inorganic Chemistry*, **2019**, 58, 5703-5714	5.1	16
294	Aerobic oxidative coupling of amines to imines by mesoporous copper aluminum mixed metal oxides via generation of Reactive Oxygen Species (ROS). *Applied Catalysis B: Environmental*, **2019**, 249, 32-41	21.8	27
293	Lithium promoted mesoporous manganese oxide catalyzed oxidation of allyl ethers. *Nature Communications*, **2019**, 10, 655	17.4	15
292	Enhanced Catalytic Properties of Molybdenum Promoted Mesoporous Cobalt Oxide: Structure-Surface-Dependent Activity for Selective Synthesis of 2-Substituted Benzimidazoles. *ChemCatChem*, **2019**, 11, 528-537	5.2	4
291	In Situ Phase Transformation of Monodisperse Manganese Oxide Nanoparticles. *Microscopy and Microanalysis*, **2019**, 25, 1896-1897	0.5	
290	Photocatalytic Transformation of Amines to Imines by Meso-Porous Copper Sulfides. *ChemCatChem* , **2019**, 11, 4262-4265	5.2	3
289	Catalytic manganese oxide nanostructures for the reverse water gas shift reaction. *Nanoscale*, **2019** , 11, 16677-16688	7.7	15
288	Trends in Solid Adsorbent Materials Development for CO Capture. *ACS Applied Materials & Interfaces*, **2019**, 11, 34533-34559	9.5	108
287	Solar Irradiation Induced Transformation of Ferrihydrite in the Presence of Aqueous Fe. *Environmental Science & Technology*, **2019**, 53, 8854-8861	10.3	12
286	Constructing Bifunctional 3D Holey and Ultrathin CoP Nanosheets for Efficient Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2019**, 11, 29879-29887	9.5	33
285	The interaction of mercury and methylmercury with chalcogenide nanoparticles. *Environmental Pollution*, **2019**, 255, 113346	9.3	3
284	Au-Cu-M (M = Pt, Pd, Ag) nanorods with enhanced catalytic efficiency by galvanic replacement reaction. *Chemical Communications*, **2019**, 55, 1249-1252	5.8	27
283	Highly active oxygen evolution integrated with efficient CO to CO electroreduction. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 23915-23922	11.5	33
282	Niobium-substituted octahedral molecular sieve (OMS-2) materials in selective oxidation of methanol to dimethoxymethane.. *RSC Advances*, **2019**, 9, 32665-32673	3.7	6
281	Degradation of Congo Red dye by a FeO@CeO-ZrO/Palygorskite composite catalyst: Synergetic effects of FeO. *Journal of Colloid and Interface Science*, **2019**, 539, 135-145	9.3	60
280	Surface redox characters and synergetic catalytic properties of macroporous ceria-zirconia solid solutions. *Journal of Hazardous Materials*, **2019**, 366, 54-64	12.8	14

279	Direct Construction of Mesoporous Metal Sulfides via Reactive Spray Deposition Technology. *ACS Applied Energy Materials*, **2019**, 2, 2370-2374	6.1	3
278	Partial Surface Selenization of Cobalt Sulfide Microspheres for Enhancing the Hydrogen Evolution Reaction. *ACS Catalysis*, **2019**, 9, 456-465	13.1	50
277	End-to-end and side-by-side alignment of short octahedral molecular sieve (OMS-2) nanorods into long microyarn superarchitectures and highly flexible membranes. *Nano Structures Nano Objects*, **2018**, 14, 49-56	5.6	5
276	In Situ Characterization of Mesoporous Co/CeO2 Catalysts for the High-Temperature Water-Gas Shift. *Journal of Physical Chemistry C*, **2018**, 122, 8998-9008	3.8	21
275	Synthesis and Electrocatalytic Activity of Ammonium Nickel Phosphate, [NH]NiPO□6HO, and □Nickel Pyrophosphate, □NiPO: Catalysts for Electrocatalytic Decomposition of Urea. *Inorganic Chemistry*, **2018**, 57, 1815-1823	5.1	25
274	Effect of Gd substitution on the structural, magnetic, and magnetocaloric properties of HoCrO3. *Journal of Applied Physics*, **2018**, 123, 053904	2.5	11
273	Rapid Chemical Vapor Infiltration of Silicon Carbide Minicomposites at Atmospheric Pressure. *ACS Applied Materials & Interfaces*, **2018**, 10, 4986-4992	9.5	3
272	TiO 2 Supported gold□palladium catalyst for effective syngas production from methane partial oxidation. *Applied Catalysis A: General*, **2018**, 554, 54-63	5.1	17
271	Comprehensive Magnetic Study of Nanostructured Mesoporous Manganese Oxide Materials and Implications for Catalytic Behavior. *Chemistry of Materials*, **2018**, 30, 1164-1177	9.6	15
270	Ultrafine and Ligand-Free Precious Metal (Ru, Ag, Au, Rh and Pd) Nanoclusters Supported on Phosphorus-Doped Carbon. *Chemistry - A European Journal*, **2018**, 24, 2565-2569	4.8	21
269	Pt/Ferric Hydroxyphosphate: An Effective Catalyst for the Selective Hydrogenation of □Unsaturated Aldehydes (Ketones) into □Unsaturated Alcohols. *Catalysis Letters*, **2018**, 148, 555-563	2.8	3
268	Graphene Supported Single Atom Transition Metal Catalysts for Methane Activation. *ChemCatChem* , **2018**, 10, 3229-3235	5.2	27
267	Abiotic photomineralization and transformation of iron oxide nanominerals in aqueous systems. *Environmental Science: Nano*, **2018**, 5, 1169-1178	7.1	7
266	Epoxidation of cyclopentene by a low cost and environmentally friendly bicarbonate/peroxide/manganese system. *Adsorption Science and Technology*, **2018**, 36, 9-22	3.6	2
265	Controllable synthesis of mesoporous cobalt oxide for peroxide free catalytic epoxidation of alkenes under aerobic conditions. *Applied Catalysis B: Environmental*, **2018**, 221, 681-690	21.8	43
264	Single-Doped and Multidoped Transition-Metal (Mn, Fe, Co, and Ni) ZnO and Their Electrocatalytic Activities for Oxygen Reduction Reaction. *Inorganic Chemistry*, **2018**, 57, 9977-9987	5.1	40
263	Ultrathin PdPt bimetallic nanowires with enhanced electrocatalytic performance for hydrogen evolution reaction. *Applied Catalysis B: Environmental*, **2018**, 238, 525-532	21.8	77
262	Template-Guided Programmable Janus Heteronanostructure Arrays for Efficient Plasmonic Photocatalysis. *Nano Letters*, **2018**, 18, 4914-4921	11.5	34

261	Mesoporous cobalt/manganese oxide: a highly selective bifunctional catalyst for amine–imine transformations. *Green Chemistry*, **2018**, 20, 3180-3185	10	25
260	Excitation wavelength dependent photon anti-bunching/bunching from single quantum dots near gold nanostructures. *Nanoscale*, **2018**, 10, 1038-1046	7.7	12
259	Partial Oxidation of Methane to Synthesis Gas Using Supported Ga-Containing Bimetallic Catalysts and a Ti-Promoter. *ChemCatChem*, **2018**, 10, 4300-4308	5.2	2
258	Insights into the structure–property–activity relationship in molybdenum-doped octahedral molecular sieve manganese oxides for catalytic oxidation. *Catalysis Science and Technology*, **2018**, 8, 6493-6502	5.5	8
257	Effective Zinc Adsorption Driven by Electrochemical Redox Reactions of Birnessite Nanosheets Generated by Solar Photochemistry. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 13907-13914	8.3	7
256	Direct Synthesis of Conformal Layered Protonated Titanate Nanoarray Coatings on Various Substrate Surfaces Boosted by Low-Temperature Microwave-Assisted Hydrothermal Synthesis. *ACS Applied Materials & Interfaces*, **2018**, 10, 35164-35174	9.5	9
255	Heterogeneous Catalytic Oxidation of Amides to Imides by Manganese Oxides. *Scientific Reports*, **2018**, 8, 13649	4.9	12
254	Copper manganese oxide enhanced nanoarray-based monolithic catalysts for hydrocarbon oxidation. *Journal of Materials Chemistry A*, **2018**, 6, 19047-19057	13	25
253	Electrochemical and Surface-Plasmon Correlation of a Serum-Autoantibody Immunoassay with Binding Insights: Graphenyl Surface versus Mercapto-Monolayer Surface. *Analytical Chemistry*, **2018** , 90, 12456-12463	7.8	15
252	Low temperature synthesis of NbC/C nano-composites as visible light photoactive catalyst. *Scientific Reports*, **2018**, 8, 13597	4.9	50
251	Structural and chemical state of doped and impregnated mesoporous Ni/CeO2 catalysts for the water-gas shift. *Applied Catalysis A: General*, **2018**, 567, 1-11	5.1	8
250	Synthesis of Large Mesoporous-Macroporous and High Pore Volume, Mixed Crystallographic Phase Manganese Oxide, MnO/MnO Sponge. *Inorganic Chemistry*, **2018**, 57, 6946-6956	5.1	5
249	Photochemical Formation and Transformation of Birnessite: Effects of Cations on Micromorphology and Crystal Structure. *Environmental Science & Technology*, **2018**, 52, 6864-6871	10.3	23
248	Novel epoxy-silica nanoparticles to develop non-enzymatic colorimetric probe for analytical immuno/bioassays. *Analytica Chimica Acta*, **2018**, 1028, 77-85	6.6	3
247	Effects of microwave and ultrasound exposure to microsphere particles made out of different classes of inorganic and organic materials. *Journal of Industrial and Engineering Chemistry*, **2018**, 65, 26-30	6.3	3
246	Influence of Tight Confinement on Selective Oxidative Dehydrogenation of Ethane on MoVTeNb Mixed Oxides. *ACS Catalysis*, **2018**, 8, 7051-7067	13.1	37
245	Heterogeneous mesoporous manganese oxide catalyst for aerobic and additive-free oxidative aromatization of N-heterocycles. *Chemical Communications*, **2017**, 53, 2256-2259	5.8	29
244	Water-Gas-Shift over Metal-Free Nanocrystalline Ceria: An Experimental and Theoretical Study. *ChemCatChem*, **2017**, 9, 1373-1377	5.2	12

243	Zinc removal from aqueous solution using a deionization pseudocapacitor with a high-performance nanostructured birnessite electrode. *Environmental Science: Nano*, **2017**, 4, 811-823	7.1	16
242	Au□Carbon Electronic Interaction Mediated Selective Oxidation of Styrene. *ACS Catalysis*, **2017**, 7, 3483-3488	9.1	65
241	Nanoengineering of aggregation-free and thermally-stable gold nanoparticles in mesoporous frameworks. *Nanoscale*, **2017**, 9, 6380-6390	7.7	20
240	Single-step One-pot Synthesis of TiO Nanosheets Doped with Sulfur on Reduced Graphene Oxide with Enhanced Photocatalytic Activity. *Scientific Reports*, **2017**, 7, 46610	4.9	34
239	Self-assembly synthesis of Mn3O4 hierarchical micro/nano architectures as supercapacitor electrodes. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 12004-12014	2.1	6
238	Impedance Spectroscopy Screening of Various Nanocrystalline Metal Oxides: Effect of Lithiation on Electrical Properties. *Energy Technology*, **2017**, 5, 1407-1414	3.5	1
237	Cu supported on mesoporous ceria: water gas shift activity at low Cu loadings through metal-support interactions. *Physical Chemistry Chemical Physics*, **2017**, 19, 17708-17717	3.6	20
236	Amine/thiol functionalized mesoporous polydivinylbenzene for CO2 adsorption. *Materials Today Energy*, **2017**, 4, 81-88	7	6
235	Microwave-assisted synthesis of amine functionalized mesoporous polydivinylbenzene for CO2 adsorption. *Journal of CO2 Utilization*, **2017**, 19, 79-90	7.6	25
234	An ultrasonic atomization assisted synthesis of self-assembled manganese oxide octahedral molecular sieve nanostructures and their application in catalysis and water treatment. *Nanoscale*, **2017**, 9, 5009-5018	7.7	17
233	FeO nanoparticles on graphene oxide sheets for isolation and ultrasensitive amperometric detection of cancer biomarker proteins. *Biosensors and Bioelectronics*, **2017**, 91, 359-366	11.8	100
232	Improved Understanding of CO2□Water Pretreatment of Guayule Biomass by High Solids Ratio Experiments, Rapid Physical Expansion, and Examination of Textural Properties. *Industrial & Engineering Chemistry Research*, **2017**, 56, 645-652	3.9	11
231	Reduced Graphene Oxide Supported Nickel□Manganese□Cobalt Spinel Ternary Oxide Nanocomposites and Their Chemically Converted Sulfide Nanocomposites as Efficient Electrocatalysts for Alkaline Water Splitting. *ACS Catalysis*, **2017**, 7, 819-832	13.1	74
230	Heterogeneous mesoporous manganese/cobalt oxide catalysts for selective oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. *Chemical Communications*, **2017**, 53, 11751-11754	5.8	46
229	Cross dehydrogenative coupling of N-aryltetrahydroisoquinolines (sp3 C□H) with indoles (sp2 C□H) using a heterogeneous mesoporous manganese oxide catalyst. *Green Chemistry*, **2017**, 19, 5350-5355	10	31
228	Robust Macroscopic 3D Sponges of Manganese Oxide Molecular Sieves. *Chemistry - A European Journal*, **2017**, 23, 16213-16218	4.8	9
227	Preparation and characterization of an oxide-oxide continuous fiber reinforced ceramic matrix composite with a zinc oxide interphase. *Ceramics International*, **2017**, 43, 17121-17127	5.1	11
226	Mesoporous Iron Sulfide for Highly Efficient Electrocatalytic Hydrogen Evolution. *Journal of the American Chemical Society*, **2017**, 139, 13604-13607	16.4	207

225	Enhancement of Zn2+ and Ni2+ removal performance using a deionization pseudocapacitor with nanostructured birnessite and its carbon nanotube composite electrodes. *Chemical Engineering Journal*, **2017**, 328, 464-473	14.7	34
224	Albumin removal from human serum using surface nanopockets on silica-coated magnetic nanoparticles. *Chemical Communications*, **2017**, 53, 9254-9257	5.8	17
223	Ullmann Reaction Catalyzed by Heterogeneous Mesoporous Copper/Manganese Oxide: A Kinetic and Mechanistic Analysis. *Inorganic Chemistry*, **2017**, 56, 10290-10297	5.1	27
222	Machine Learning Using Combined Structural and Chemical Descriptors for Prediction of Methane Adsorption Performance of Metal Organic Frameworks (MOFs). *ACS Combinatorial Science*, **2017**, 19, 640-645	3.9	96
221	Scalable continuous flow synthesis of ZnO nanorod arrays in 3-D ceramic honeycomb substrates for low-temperature desulfurization. *CrystEngComm*, **2017**, 19, 5128-5136	3.3	13
220	Hierarchical Mesoporous NiO/MnO@PANI Core-Shell Microspheres, Highly Efficient and Stable Bifunctional Electrocatalysts for Oxygen Evolution and Reduction Reactions. *ACS Applied Materials & Interfaces*, **2017**, 9, 42676-42687	9.5	65
219	Magnetic and magnetocaloric properties of HoCrO3 tuned by selective rare-earth doping. *Physical Review B*, **2017**, 95,	3.3	26
218	A Review of Recent Developments of Mesoporous Materials. *Chemical Record*, **2017**, 17, 1169-1183	6.6	53
217	Modified inverse micelle synthesis for mesoporous alumina with a high D4 siloxane adsorption capacity. *Microporous and Mesoporous Materials*, **2017**, 239, 328-335	5.3	14
216	Facile access to versatile functional groups from alcohol by single multifunctional reusable catalyst. *Applied Catalysis B: Environmental*, **2017**, 203, 607-614	21.8	17
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