

# Aiqin Wang

## 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.

734  
papers

45,589  
citations

103  
h-index

187  
g-index

769  
ext. papers

52,948  
ext. citations

7.4  
avg, IF

8.23  
L-index

#	Paper	IF	Citations
734	Synthesis of jet fuel range high-density polycycloalkanes with vanillin and cyclohexanone. <i>Sustainable Energy and Fuels</i> , <b>2022</b> , 6, 1616-1624	5.8	
733	Mechanochemical synthesis of multifunctional kaolin@ BIVO 4 hybrid pigments for coloring and reinforcing of acrylonitrile-butadiene-styrene. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 52266	2.8	
732	Porous materials fabricated from Pickering foams stabilized by natural plant of <i>Angelica sinensis</i> for removal of Cd (II) and Cu (II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 128695	5	1
731	Recent researches on antimicrobial nanocomposite and hybrid materials based on sepiolite and palygorskite. <i>Applied Clay Science</i> , <b>2022</b> , 219, 106454	5.1	1
730	From structure evolution of palygorskite to functional material: A review. <i>Microporous and Mesoporous Materials</i> , <b>2022</b> , 333, 111765	5.2	0
729	Facile Preparation of Organo-Modified ZnO/Attapulgite Nanocomposites Loaded with Monoammonium Glycyrrhizinate via Mechanical Milling and Their Synergistic Antibacterial Effect. <i>Minerals (Basel, Switzerland)</i> , <b>2022</b> , 12, 364	2.3	
728	Study of bubble behavior in high-viscosity liquid in a pseudo-2D column using high-speed imaging. <i>Chemical Engineering Science</i> , <b>2022</b> , 252, 117532	4.3	
727	Catalytic production of low-carbon footprint sustainable natural gas.. <i>Nature Communications</i> , <b>2022</b> , 13, 258	16.9	0
726	Novel eco-friendly spherical porous adsorbent fabricated from Pickering middle internal phase emulsions for removal of Pb(II) and Cd (II).. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 112, 320-330	6.4	0
725	Preparation and coloring mechanism of $\text{MAl}_2\text{O}_4/\text{CoAl}_2\text{O}_4$ /quartz sand (M = Ca or Ba) composite pigments. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 276, 125413	4.3	0
724	Facile mechanochemical fabrication of hybrid pigments with allochroic, antibacterial and superhydrophobic properties based on organo-palygorskite and curcumin. <i>Dyes and Pigments</i> , <b>2022</b> , 203, 110359	4.5	0
723	Biomediated synthesis of ZnO quantum dots decorated attapulgite nanocomposites for improved antibacterial properties. <i>Green Processing and Synthesis</i> , <b>2022</b> , 11, 582-594	3.9	
722	$\text{Co}_3\text{-O-V}_4\text{+}$ cluster in $\text{CoVO}_x$ nanorods for efficient and stable electrochemical oxygen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 282, 119571	21.7	15
721	Single-atom Pt promoted $\text{Mo}_2\text{C}$ for electrochemical hydrogen evolution reaction. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 57, 371-377	11.9	17
720	Removal of antibiotics from aqueous solution by using porous adsorbent templated from eco-friendly Pickering aqueous foams. <i>Journal of Environmental Sciences</i> , <b>2021</b> , 102, 352-362	6.4	6
719	MIL-53 (Al) derived single-atom Rh catalyst for the selective hydrogenation of m-chloronitrobenzene into m-chloroaniline. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 824-834	11.2	3
718	Cobalt Single Atoms on Tetrapyrromacrocyclic Support for Efficient Peroxymonosulfate Activation. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 1242-1250	10.2	44

7 <sup>17</sup>	Synthesis of renewable aviation fuel additives with aromatic aldehydes and methyl isobutyl ketone under solvent-free conditions. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 556-563	5.8	1
7 <sup>16</sup>	Removal of a cationic dye from aqueous solution by a porous adsorbent templated from eco-friendly Pickering MIPEs using chitosan-modified semi-coke particles. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 3848-3856	3.5	2
7 <sup>15</sup>	Synthesis of bio-based methylcyclopentadiene via direct hydrodeoxygenation of 3-methylcyclopent-2-enone derived from cellulose. <i>Nature Communications</i> , <b>2021</b> , 12, 46	16.9	10
7 <sup>14</sup>	Advanced Magnetic Adsorbents Prepared from Emulsion Template for Water Treatment. <i>Environmental Chemistry for A Sustainable World</i> , <b>2021</b> , 385-433	0.8	
7 <sup>13</sup>	Synthesis of renewable alkylated naphthalenes with benzaldehyde and angelica lactone. <i>Green Chemistry</i> , <b>2021</b> , 23, 5474-5480	9.9	
7 <sup>12</sup>	Synthesis and application of eco-friendly superabsorbent composites based on xanthan gum and semi-coke. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 179, 230-238	7.7	5
7 <sup>11</sup>	Recent researches on natural pigments stabilized by clay minerals: A review. <i>Dyes and Pigments</i> , <b>2021</b> , 190, 109322	4.5	13
7 <sup>10</sup>	A comparative study on surface/interface mechanism and antibacterial properties of different hybrid materials prepared with essential oils active ingredients and palygorskite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 618, 126455	5	6
7 <sup>09</sup>	Highly selective and robust single-atom catalyst Ru/NC for reductive amination of aldehydes/ketones. <i>Nature Communications</i> , <b>2021</b> , 12, 3295	16.9	21
7 <sup>08</sup>	Fast and Highly Efficient Adsorption Removal of Toxic Pb(II) by a Reusable Porous Semi-IPN Hydrogel Based on Alginate and Poly(Vinyl Alcohol). <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 662482	4.8	0
7 <sup>07</sup>	Phosphorus coordinated Rh single-atom sites on nanodiamond as highly regioselective catalyst for hydroformylation of olefins. <i>Nature Communications</i> , <b>2021</b> , 12, 4698	16.9	10
7 <sup>06</sup>	Effectiveness evaluation of environmentally friendly stabilizers on remediation of Cd and Pb in agricultural soils by multi-scale experiments. <i>Journal of Cleaner Production</i> , <b>2021</b> , 311, 127673	10.1	4
7 <sup>05</sup>	A study on improving the antibacterial properties of palygorskite by using cobalt-doped zinc oxide nanoparticles. <i>Applied Clay Science</i> , <b>2021</b> , 209, 106112	5.1	4
7 <sup>04</sup>	Dynamic Behavior of Single-Atom Catalysts in Electrocatalysis: Identification of Cu-N as an Active Site for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14530-14539	16.6	20
7 <sup>03</sup>	Zeolite-Tailored Active Site Proximity for the Efficient Production of Pentanoic Biofuels. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23713-23721	16.1	7
7 <sup>02</sup>	Mesoporous polymetallic silicate derived from naturally abundant mixed clay: A potential robust adsorbent for removal of cationic dye and antibiotic. <i>Powder Technology</i> , <b>2021</b> , 390, 303-314	5.1	5
7 <sup>01</sup>	Embedding CsPbBr <sub>3</sub> quantum dots into a pillar[5]arene-based supramolecular self-assembly for an efficient photocatalytic cross-coupling hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10180-10185	12.8	7
7 <sup>00</sup>	Reversible Thermochromic Superhydrophobic BiVO <sub>4</sub> Hybrid Pigments Coatings with Self-Cleaning Performance and Environmental Stability Based on Kaolinite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3228-3236	9.4	4

699	FABRICATION OF ANTHOCYANIN/MONTMORILLONITE HYBRID PIGMENTS TO ENHANCE THEIR ENVIRONMENTAL STABILITY AND APPLICATION IN ALLOCHROIC COMPOSITE FILMS. <i>Clays and Clay Minerals</i> , <b>2021</b> , 69, 142-151	2	1
698	The high-efficiency synergistic and broad-spectrum antibacterial effect of cobalt doped zinc oxide quantum dots (Co-ZnO QDs) loaded cetyltributylphosphonium bromide (CTPB) modified MMT (C-MMT) nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 613, 126059	5	1
697	Facile fabrication of a stable fluorescent yellow X-10GFF/palygorskite hybrid pigment via semi-dry grinding. <i>Clay Minerals</i> , <b>2021</b> , 56, 37-45	1.3	
696	Synergistic effect of palygorskite nanorods and ion crosslinking to enhance sodium alginate-based hydrogels. <i>European Polymer Journal</i> , <b>2021</b> , 147, 110306	5.1	3
695	Cobalt-Doped Zinc Oxide Nanoparticle/MoS <sub>2</sub> Nanosheet Composites as Broad-Spectrum Bactericidal Agents. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 4361-4370	5.5	4
694	Highly efficient Co single-atom catalyst for epoxidation of plant oils. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 131103	3.8	2
693	Direct Synthesis of Methylcyclopentadiene with 2,5-Hexanedione over Zinc Molybdates. <i>ACS Catalysis</i> , <b>2021</b> , 11, 4810-4820	12.9	4
692	EFFECTS OF DIETARY PALYGORSKITE SUPPLEMENTATION ON CECAL MICROBIAL COMMUNITY STRUCTURE AND THE ABUNDANCE OF ANTIBIOTIC-RESISTANT GENES IN BROILER CHICKENS FED WITH CHLORTETRACYCLINE. <i>Clays and Clay Minerals</i> , <b>2021</b> , 69, 205-216	2	0
691	Promoting the Effect of Au on the Selective Hydrogenolysis of Glycerol to 1,3-Propanediol over the Pt/WO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 5705-5715	8.2	5
690	Recent advances in the potential applications of hollow kapok fiber-based functional materials. <i>Cellulose</i> , <b>2021</b> , 28, 5269	5.4	3
689	Efficient Synthesis of Monomeric Fe Species in Zeolite ZSM-5 for the Low-Temperature Oxidation of Methane. <i>ChemCatChem</i> , <b>2021</b> , 13, 2766-2770	5.1	3
688	From the Waste Semicoke to Superabsorbent Composite: Synthesis, Characterization and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 4017	4.4	0
687	Highly Selective Oxidation of Methane into Methanol over Cu-Promoted Monomeric Fe/ZSM-5. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6684-6691	12.9	10
686	Size-Controlled Synthesis of CuO Nanoparticles by the Supercritical Antisolvent Method in SBA-15. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 129-136	8.2	5
685	Incorporation of Different Metal Ion for Tuning Color and Enhancing Antioxidant Activity of Curcumin/Palygorskite Hybrid Materials.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 760941	4.8	0
684	Synergistic Effect of Glycyrrhizic Acid and ZnO/Palygorskite on Improving Chitosan-Based Films and Their Potential Application in Wound Healing. <i>Polymers</i> , <b>2021</b> , 13,	4.4	1
683	Preparation, characterization and performance evaluation of chitosan/palygorskite/glycyrrhizic acid nanocomposite films. <i>Applied Clay Science</i> , <b>2021</b> , 216, 106322	5.1	1
682	Dietary palygorskite-based antibacterial agent supplementation as an alternative to antibiotic improves growth performance, intestinal mucosal barrier function, and immunity in broiler chickens.. <i>Poultry Science</i> , <b>2021</b> , 101, 101640	3.8	1

681	Research on preparation and properties of a multifunctional superabsorbent based on semicoke and humic acid. <i>European Polymer Journal</i> , <b>2021</b> , 159, 110750	5.1	1
680	Multifunctional palygorskite@ZnO nanorods enhance simultaneously mechanical strength and antibacterial properties of chitosan-based film. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 189, 668-677	7.7	3
679	Direct synthesis of a jet fuel range dicycloalkane by the aqueous phase hydrodeoxygenation of polycarbonate. <i>Green Chemistry</i> , <b>2021</b> , 23, 3693-3699	9.9	3
678	Direct synthesis of a high-density aviation fuel using a polycarbonate. <i>Green Chemistry</i> , <b>2021</b> , 23, 912-919	9.9	6
677	Identifying key mononuclear Fe species for low-temperature methane oxidation. <i>Chemical Science</i> , <b>2021</b> , 12, 3152-3160	9.1	12
676	Potential of oxalic acid leached natural palygorskite-rich clay as multidimensional nanofiller to improve polypropylene. <i>Powder Technology</i> , <b>2021</b> , 396, 456-456	5.1	2
675	Recovering metal ions from oxalic acid leaching palygorskite-rich clay wastewater to fabricate layered mixed metal oxide/carbon composites for high-efficient removing Congo red. <i>Chemosphere</i> , <b>2021</b> , 132543	8.4	0
674	Selective Hydrogenation over Supported Metal Catalysts: From Nanoparticles to Single Atoms. <i>Chemical Reviews</i> , <b>2020</b> , 120, 683-733	66.4	359
673	Preparation of porous adsorbent via Pickering emulsion template for water treatment: A review. <i>Journal of Environmental Sciences</i> , <b>2020</b> , 88, 217-236	6.4	39
672	A sustainable approach to fabricate new 1D and 2D nanomaterials from natural abundant palygorskite clay for antibacterial and adsorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122984	14.6	52
671	Synergistic effect of chitosan and halloysite nanotubes on improving agar film properties. <i>Food Hydrocolloids</i> , <b>2020</b> , 101, 105471	10.4	19
670	A novel graphene aerogel synthesized from cellulose with high performance for removing MB in water. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 41, 68-75	9	18
669	Evaluation of palygorskite on pellet quality, growth, antioxidant status and mineral contents of Chinese mitten crabs ( <i>Eriocheir sinensis</i> ). <i>Aquaculture Research</i> , <b>2020</b> , 51, 1446-1454	1.9	0
668	On the mechanism of H <sub>2</sub> activation over single-atom catalyst: An understanding of Pt <sub>1</sub> /WO in the hydrogenolysis reaction. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 524-532	11.2	25
667	Pd <sub>1</sub> /CeO <sub>2</sub> single-atom catalyst for alkoxyacylation of aryl iodides. <i>Science China Materials</i> , <b>2020</b> , 63, 959-964	7	15
666	Significantly improve the water and chemicals resistance of alginate-based nanocomposite films by a simple in-situ surface coating approach. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 156, 1297-1307	7.7	6
665	Desorption-dominated synthesis of CuO/SBA-15 with tunable particle size and loading in supercritical CO <sub>2</sub> . <i>Nanotechnology</i> , <b>2020</b> , 31, 095602	3.3	4
664	A Novel 3D-bioprinted Porous Nano Attapulgite Scaffolds with Good Performance for Bone Regeneration. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 6945-6960	7	10

663	Fabrication of Eco-Friendly Superabsorbent Composites Based on Waste Semicoke. <i>Polymers</i> , <b>2020</b> , 12,	4.4	5
662	Capturing the flow field of bubbly flows using BTV in high viscosity liquid. <i>Chemical Engineering Science</i> , <b>2020</b> , 227, 115943	4.3	2
661	Controlling CO <sub>2</sub> Hydrogenation Selectivity by Metal-Supported Electron Transfer. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20158-20164	3.5	2
660	Controlling CO Hydrogenation Selectivity by Metal-Supported Electron Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19983-19989	16.1	34
659	High-Density and Thermally Stable Palladium Single-Atom Catalysts for Chemoselective Hydrogenations. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21613-21619	16.1	36
658	High-Density and Thermally Stable Palladium Single-Atom Catalysts for Chemoselective Hydrogenations. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21797-21803	3.5	5
657	Single-Atom Catalysts Based on the Metal-Oxide Interaction. <i>Chemical Reviews</i> , <b>2020</b> , 120, 11986-12043	66.4	115
656	An upgraded and universal strategy to reinforce chitosan/polyvinylpyrrolidone film by incorporating active silica nanorods derived from natural palygorskite. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 1276-1285	7.7	7
655	Modulating trans-amination and hydrogenation towards the highly selective production of primary diamines from dialdehydes. <i>Green Chemistry</i> , <b>2020</b> , 22, 6897-6901	9.9	6
654	Synthesis of jet fuel range high-density dicycloalkanes with methyl benzaldehyde and acetone. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 5560-5567	5.8	5
653	Controllable fabrication of hierarchically porous adsorbent via natural particles stabilized Pickering medium internal phase emulsion for high-efficiency removal of Rb <sup>+</sup> and Cs <sup>+</sup> . <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 124092	10.1	6
652	Solid-phase oxalic acid leaching of natural red palygorskite-rich clay: A solvent-free way to change color and properties. <i>Applied Clay Science</i> , <b>2020</b> , 198, 105848	5.1	8
651	Fabrication of Eco-Friendly Betanin Hybrid Materials Based on Palygorskite and Halloysite. <i>Materials</i> , <b>2020</b> , 13,	3.4	4
650	Catalytic production of 1,4-pentanediol from furfural in a fixed-bed system under mild conditions. <i>Green Chemistry</i> , <b>2020</b> , 22, 3532-3538	9.9	9
649	Zinc-loaded palygorskite nanocomposites for catheter coating with excellent antibacterial and anti-biofilm properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 600, 124955	5.5	4
648	Preparation and Antibacterial Activity of ZnO/Palygorskite Nanocomposites Using Different Types of Surfactants. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 3808-3817	3.2	6
647	Fabrication porous adsorbents templated from modified sepiolite-stabilized aqueous foams for high-efficient removal of cationic dyes. <i>Chemosphere</i> , <b>2020</b> , 259, 126949	8.4	14
646	Preparation of porous microspherical adsorbent via pine pollen stabilized O <sub>1</sub> /W/O <sub>2</sub> double emulsion for high-efficient removal of cationic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 601, 124997	5	3

645	Incorporation of Lutein on Layered Double Hydroxide for Improving the Environmental Stability. <i>Molecules</i> , <b>2020</b> , 25,	4.7	8
644	High-loading and thermally stable Pt <sub>1</sub> /MgAl <sub>1.2</sub> Fe <sub>0.8</sub> O <sub>4</sub> single-atom catalysts for high-temperature applications. <i>Science China Materials</i> , <b>2020</b> , 63, 949-958	7	21
643	A Convenient and Versatile Strategy for the Functionalization of Silica Foams Using High Internal Phase Emulsion Templates as Microreactors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 14607-14619	9.1	11
642	Strong metal-support interaction promoted scalable production of thermally stable single-atom catalysts. <i>Nature Communications</i> , <b>2020</b> , 11, 1263	16.9	94
641	Understanding the deactivation behavior of Pt/WO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst in the glycerol hydrogenolysis reaction. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 1261-1267	11.2	16
640	Sustainable Production of Safe Plasticizers with Bio-Based Fumarates and 1,3-Dienes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7367-7374	3.9	7
639	Photo-thermo Catalytic Oxidation over a TiO <sub>2</sub> -WO <sub>3</sub> -Supported Platinum Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12909-12916	16.1	27
638	Incorporation of quaternary ammonium chitoooligosaccharides on ZnO/palygorskite nanocomposites for enhancing antibacterial activities. <i>Carbohydrate Polymers</i> , <b>2020</b> , 247, 116685	10.1	21
637	Preparation of high-performance bismuth yellow hybrid pigments by doping with inorganic oxides. <i>Powder Technology</i> , <b>2020</b> , 373, 411-420	5.1	0
636	Styrene Hydroformylation with In Situ Hydrogen: Regioselectivity Control by Coupling with the Low-Temperature Water-Gas Shift Reaction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7500-7504	3.5	1
635	Styrene Hydroformylation with In Situ Hydrogen: Regioselectivity Control by Coupling with the Low-Temperature Water-Gas Shift Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7430-7434	16.1	26
634	Magnetic nano-hybrids adsorbents formulated from acidic leachates of clay minerals. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120383	10.1	12
633	Recent Developments in Metal-Based Catalysts for the Catalytic Aerobic Oxidation of 5-Hydroxymethyl-Furfural to 2,5-Furandicarboxylic Acid. <i>Catalysts</i> , <b>2020</b> , 10, 120	3.9	24
632	Selective hydrogenolysis of glycerol to 1,3-propanediol over Pt-W based catalysts. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 1311-1319	11.2	21
631	One-pot synthesis of polymer-reinforced silica aerogels from high internal phase emulsion templates. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 573, 62-70	9.1	11
630	Protective effects of dietary supplementation with a silicate clay mineral (palygorskite) in lipopolysaccharide-challenged broiler chickens at an early age. <i>Animal Feed Science and Technology</i> , <b>2020</b> , 263, 114459	2.9	4
629	Amino-acid-assisted preparation of CoAl <sub>2</sub> O <sub>4</sub> /kaolin hybrid pigments. <i>Applied Clay Science</i> , <b>2020</b> , 191, 105611	5.1	2
628	Photo-thermo Catalytic Oxidation over a TiO <sub>2</sub> -WO <sub>3</sub> -Supported Platinum Catalyst. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13009-13016	3.5	7

627	Synthesis of iron red hybrid pigments from oil shale semi-coke waste. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 2276-2284	4.5	13
626	Superoxide anion: Critical source of high performance antibacterial activity in Co-Doped ZnO QDs. <i>Ceramics International</i> , <b>2020</b> , 46, 15822-15830	5	11
625	Preparation of effective carvacrol/attapulgitite hybrid antibacterial materials by mechanical milling. <i>Journal of Porous Materials</i> , <b>2020</b> , 27, 843-853	2.3	12
624	Preparation of Carboxymethyl Cellulose-- Poly(acrylamide)/Attapulgitite Porous Monolith With an Eco-Friendly Pickering-MIPE Template for Ce(III) and Gd(III) Adsorption. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 398	4.8	9
623	Effect of oxalic acid-leaching levels on structure, color and physico-chemical features of palygorskite. <i>Applied Clay Science</i> , <b>2019</b> , 183, 105301	5.1	18
622	A Comparative Study on Color Stability of Anthocyanin Hybrid Pigments Derived from 1D and 2D Clay Minerals. <i>Materials</i> , <b>2019</b> , 12,	3.4	14
621	Palygorskite Nanomaterials: Structure, Properties, and Functional Applications <b>2019</b> , 21-133		3
620	Vermiculite Nanomaterials: Structure, Properties, and Potential Applications <b>2019</b> , 415-484		5
619	Mesoporous silicate/carbon composites derived from dye-loaded palygorskite clay waste for efficient removal of organic contaminants. <i>Science of the Total Environment</i> , <b>2019</b> , 696, 133955	10.1	21
618	Synthesis of Decaline-Type Thermal-Stable Jet Fuel Additives with Cycloketones. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17354-17361	8.2	7
617	Preparation of Carboxymethyl Cellulose-Based Macroporous Adsorbent by Eco-Friendly Pickering-MIPEs Template for Fast Removal of Pb and Cd. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 603	4.8	12
616	Unraveling the coordination structure-performance relationship in Pt/FeO single-atom catalyst. <i>Nature Communications</i> , <b>2019</b> , 10, 4500	16.9	125
615	Fabrication and Applications of Carbon/Clay Mineral Nanocomposites <b>2019</b> , 537-587		3
614	Stabilization of GaAs photoanodes by in situ deposition of nickel-borate surface catalysts as hole trapping sites. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 814-822	5.8	9
613	Is oxidation-reduction a real robust strategy for lignin conversion? A comparative study on lignin and model compounds. <i>Green Chemistry</i> , <b>2019</b> , 21, 803-811	9.9	32
612	Effective Hydrogenolysis of Glycerol to 1,3-Propanediol over Metal-Acid Concerted Pt/WO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>ChemCatChem</i> , <b>2019</b> , 11, 3903-3912	5.1	41
611	Synthesis of jet fuel range high-density polycycloalkanes with polycarbonate waste. <i>Green Chemistry</i> , <b>2019</b> , 21, 3789-3795	9.9	16
610	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12154-12158	16.1	38

609	Facile synthesis of macroporous zwitterionic hydrogels templated from graphene oxide-stabilized aqueous foams. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 40-49	9.1	10
608	Highly efficient self-template synthesis of porous silica nanorods from natural palygorskite. <i>Powder Technology</i> , <b>2019</b> , 354, 1-10	5.1	26
607	Zeolite-supported metal catalysts for selective hydrodeoxygenation of biomass-derived platform molecules. <i>Green Chemistry</i> , <b>2019</b> , 21, 3744-3768	9.9	87
606	Mild Redox-Neutral Depolymerization of Lignin with a Binuclear Rh Complex in Water. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4441-4447	12.9	35
605	Microwave hydrothermal assisted preparation of CoAl <sub>2</sub> O <sub>4</sub> /kaolin hybrid pigments for reinforcement coloring and mechanical property of acrylonitrile butadiene styrene. <i>Applied Clay Science</i> , <b>2019</b> , 175, 67-75	5.1	11
604	Tungsten-based catalysts for lignin depolymerization: the role of tungsten species in C-O bond cleavage. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 2144-2151	5.4	15
603	Tunable superporous magnetic adsorbent prepared via eco-friendly Pickering MIPES for high-efficiency adsorption of Rb <sup>+</sup> and Sr <sup>2+</sup> . <i>Chemical Engineering Journal</i> , <b>2019</b> , 368, 988-998	14.6	15
602	The protective effects of modified palygorskite on the broilers fed a purified zearalenone-contaminated diet. <i>Poultry Science</i> , <b>2019</b> , 98, 3802-3810	3.8	6
601	From waste hot-pot oil as carbon precursor to development of recyclable attapulgite/carbon composites for wastewater treatment. <i>Journal of Environmental Sciences</i> , <b>2019</b> , 75, 346-358	6.4	17
600	Antimicrobial Activity of Zinc Oxide/Graphene Quantum Dot Nanocomposites: Enhanced Adsorption on Bacterial Cells by Cationic Capping Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16264-16273	8.2	34
599	Ru/H-beta as an efficient catalyst for the conversion of furfural into 3-acetyl-1-propanol (3-AP) toward one-pot transformation of xylan to 3-AP. <i>Molecular Catalysis</i> , <b>2019</b> , 476, 110506	3.3	1
598	Cooperative Pollutant Adsorption and Persulfate-Driven Oxidation on Hierarchically Ordered Porous Carbon. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10352-10360	10.2	64
597	A comparative study on color properties of different clay minerals/BiVO <sub>4</sub> hybrid pigments with excellent thermal stability. <i>Applied Clay Science</i> , <b>2019</b> , 181, 105221	5.1	9
596	Acid/base reversible allochroic anthocyanin/palygorskite hybrid pigments: Preparation, stability and potential applications. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107738	4.5	18
595	Insights into halloysite or kaolin role of BiVO <sub>4</sub> hybrid pigments for applications in polymer matrix and surface coating. <i>Composites Part B: Engineering</i> , <b>2019</b> , 174, 107035	9.9	5
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593	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12282-12286	3.5	9
592	Amine Formylation with CO <sub>2</sub> and H <sub>2</sub> catalyzed by heterogeneous Pd/PAL catalyst. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1141-1146	11.2	13

591	One-pot synthesis of novel hierarchically porous and hydrophobic Si/SiO <sub>x</sub> composite from natural palygorskite for benzene adsorption. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122131	14.6	12
590	One-Pot Production of Cellulosic Ethanol via Tandem Catalysis over a Multifunctional Mo/Pt/WO <sub>x</sub> Catalyst. <i>Joule</i> , <b>2019</b> , 3, 1937-1948	27.5	35
589	Hydrothermal Fabrication of Spindle-Shaped ZnO/Palygorskite Nanocomposites Using Nonionic Surfactant for Enhancement of Antibacterial Activity. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.2	7
588	Synthesis of gasoline and jet fuel range cycloalkanes and aromatics from poly(ethylene terephthalate) waste. <i>Green Chemistry</i> , <b>2019</b> , 21, 2709-2719	9.9	19
587	Integrated Conversion of Cellulose to High-Density Aviation Fuel. <i>Joule</i> , <b>2019</b> , 3, 1028-1036	27.5	60
586	In-situ synthesis of single-atom Ir by utilizing metal-organic frameworks: An acid-resistant catalyst for hydrogenation of levulinic acid to $\gamma$ -valerolactone. <i>Journal of Catalysis</i> , <b>2019</b> , 373, 161-172	7.3	48
585	Kinetic study of cellulose hydrolysis with tungsten-based acid catalysts. <i>AIChE Journal</i> , <b>2019</b> , 65, e16585	3.5	3
584	Comparative study on photocatalytic degradation of Congo red using different clay mineral/CdS nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 5383-5392	2	4
583	Effects of palygorskite composites on growth performance and antioxidant status in broiler chickens. <i>Poultry Science</i> , <b>2019</b> , 98, 2781-2789	3.8	5
582	Atomically dispersed nickel as coke-resistant active sites for methane dry reforming. <i>Nature Communications</i> , <b>2019</b> , 10, 5181	16.9	171
581	Unlock the Compact Structure of Lignocellulosic Biomass by Mild Ball Milling for Ethylene Glycol Production. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 679-687	8.2	26
580	A review on bidirectional analogies between the photocatalysis and antibacterial properties of ZnO. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 783, 898-918	5.6	133
579	A new route to fabricate high-efficient porous silicate adsorbents by simultaneous inorganic-organic functionalization of low-grade palygorskite clay for removal of Congo red. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 277, 267-276	5.2	31
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577	Effects of different pH regulators on the color properties of attapulgite/BiVO <sub>4</sub> hybrid pigment. <i>Powder Technology</i> , <b>2019</b> , 343, 68-78	5.1	10
576	Effect of removing coloring metal ions from the natural brick-red palygorskite on properties of alginate/palygorskite nanocomposite film. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 684-694	7.7	22
575	Production of 1,2-Cyclohexanedicarboxylates from Diacetone Alcohol and Fumarates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2980-2988	8.2	8
574	A comparative study of different natural palygorskite clays for fabricating cost-efficient and eco-friendly iron red composite pigments. <i>Applied Clay Science</i> , <b>2019</b> , 167, 50-59	5.1	29

573	Interconnected superporous adsorbent prepared via yeast-based Pickering HIPEs for high-efficiency adsorption of Rb <sup>+</sup> , Cs <sup>+</sup> and Sr <sup>2+</sup> . <i>Chemical Engineering Journal</i> , <b>2019</b> , 361, 1411-1422	14.6	32
572	Synthesis of jet fuel additive with cyclopentanone. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 29, 23-30	11.9	10
571	Polydopamine-clay functionalized <i>Calotropis gigantea</i> fiber: A recyclable oil-absorbing material with large lumens. <i>Journal of Natural Fibers</i> , <b>2019</b> , 16, 1156-1165	1.7	6
570	Regeneration and Recycling of Spent Bleaching Earth <b>2019</b> , 3147-3167		1
569	Nanoscale Clay Minerals for Functional Ecomaterials: Fabrication, Applications, and Future Trends <b>2019</b> , 2409-2490		3
568	Catalytic cascade conversion of furfural to 1,4-pentanediol in a single reactor. <i>Green Chemistry</i> , <b>2018</b> , 20, 1770-1776	9.9	49
567	Rapid nitrogen-rich modification of <i>Calotropis gigantea</i> fiber for highly efficient removal of fluoroquinolone antibiotics. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 256, 408-415	5.9	15
566	Selective Cleavage of C-O Bonds in Lignin Catalyzed by Rhenium(VII) Oxide (Re O <sub>7</sub> ). <i>ChemPlusChem</i> , <b>2018</b> , 83, 500-505	2.8	12
565	Dehydration of Carbohydrates to 5-Hydroxymethylfurfural over Lignosulfonate-Based Acidic Resin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5645-5652	8.2	21
564	Cobalt blue hybrid pigment doped with magnesium derived from sepiolite. <i>Applied Clay Science</i> , <b>2018</b> , 157, 111-120	5.1	22
563	Metallic nanoparticles roughened <i>Calotropis gigantea</i> fiber enables efficient absorption of oils and organic solvents. <i>Industrial Crops and Products</i> , <b>2018</b> , 115, 272-279	5.8	18
562	Synthesis of 1,4-Cyclohexanedimethanol, 1,4-Cyclohexanedicarboxylic Acid and 1,2-Cyclohexanedicarboxylates from Formaldehyde, Crotonaldehyde and Acrylate/Fumarate. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7017-7021	3.5	2
561	A Durable Nickel Single-Atom Catalyst for Hydrogenation Reactions and Cellulose Valorization under Harsh Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7071-7075	16.1	150
560	Synthesis of 1,4-Cyclohexanedimethanol, 1,4-Cyclohexanedicarboxylic Acid and 1,2-Cyclohexanedicarboxylates from Formaldehyde, Crotonaldehyde and Acrylate/Fumarate. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6901-6905	16.1	16
559	Hydrogenolysis of methyl glycolate to ethanol over a Pt <sub>1</sub> Cu/SiO <sub>2</sub> single-atom alloy catalyst: a further step from cellulose to ethanol. <i>Green Chemistry</i> , <b>2018</b> , 20, 2142-2150	9.9	51
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556	Superamphiphobic Coatings with Low Sliding Angles from Attapulgite/Carbon Composites. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701520	4.5	18

555	Structure evolution of brick-red palygorskite induced by hydroxylammonium chloride. <i>Powder Technology</i> , <b>2018</b> , 327, 246-254	5.1	12
554	Insights into the relationship between the color and photocatalytic property of attapulgite/CdS nanocomposites. <i>Applied Surface Science</i> , <b>2018</b> , 439, 202-212	6.6	18
553	Selective Production of Renewable para-Xylene by Tungsten Carbide Catalyzed Atom-Economic Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1808-1812	16.1	24
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551	Selective Cleavage of C-O Bonds in Lignin Catalyzed by Rhenium(VII) Oxide (Re O ). <i>ChemPlusChem</i> , <b>2018</b> , 83, 479	2.8	
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549	Maximizing the Number of Interfacial Sites in Single-Atom Catalysts for the Highly Selective, Solvent-Free Oxidation of Primary Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7795-7799	16.1	91
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546	Preparation and oil absorbency of kapok-g-butyl methacrylate. <i>Environmental Technology (United Kingdom)</i> , <b>2018</b> , 39, 1089-1095	2.6	5
545	Solvothermal evolution of red palygorskite in dimethyl sulfoxide/water. <i>Applied Clay Science</i> , <b>2018</b> , 159, 16-24	5.1	24
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541	Attapulgite/carbon composites as a recyclable adsorbent for antibiotics removal. <i>Korean Journal of Chemical Engineering</i> , <b>2018</b> , 35, 1650-1661	2.7	17
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530	Synthesis of high-density aviation fuels with methyl benzaldehyde and cyclohexanone. <i>Green Chemistry</i> , <b>2018</b> , 20, 3753-3760	9.9	18
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523	Optimal Synthesis of Environment-Friendly Iron Red Pigment from Natural Nanostructured Clay Minerals. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.2	17
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511	Nanoscale Clay Minerals for Functional Ecomaterials: Fabrication, Applications, and Future Trends <b>2018</b> , 1-82		5
510	Regeneration and Recycling of Spent Bleaching Earth <b>2018</b> , 1-21		1
509	Activated Carbon and Ordered Mesoporous Carbon-Based Catalysts for Biomass Conversion <b>2017</b> , 17-54		2
508	Facile fabrication of superparamagnetic graphene/polyaniline/FeO nanocomposites for fast magnetic separation and efficient removal of dye. <i>Scientific Reports</i> , <b>2017</b> , 7, 5347	4.7	46
507	Fabrication of a magnetic porous hydrogel sphere for efficient enrichment of Rb <sup>+</sup> and Cs <sup>+</sup> from aqueous solution. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 125, 214-225	5.4	16
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498	Evaluation of Ce(III) and Gd(III) adsorption from aqueous solution using CTS- g -(AA- co -SS)/ISC hybrid hydrogel adsorbent. <i>Journal of Rare Earths</i> , <b>2017</b> , 35, 697-708	3.7	22
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494	Valorization of Lignin to Simple Phenolic Compounds over Tungsten Carbide: Impact of Lignin Structure. <i>ChemSusChem</i> , <b>2017</b> , 10, 523-532	8.2	107
493	Selective Hydrogenolysis of Glycerol to 1,3-Propanediol: Manipulating the Frustrated Lewis Pairs by Introducing Gold to Pt/WO. <i>ChemSusChem</i> , <b>2017</b> , 10, 819-824	8.2	61
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491	Hydrodeoxygenation of furans over Pd-FeOx/SiO2 catalyst under atmospheric pressure. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 201, 266-277	21.7	68
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487	Performance of Cu-Alloyed Pd Single-Atom Catalyst for Semihydrogenation of Acetylene under Simulated Front-End Conditions. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1491-1500	12.9	228
486	ZnAl-Hydrotalcite-Supported Au Nanoclusters as Precatalysts for Chemoselective Hydrogenation of 3-Nitrostyrene. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2709-2713	16.1	96
485	Effects of synbiotic supplementation on growth performance, carcass characteristics, meat quality and muscular antioxidant capacity and mineral contents in broilers. <i>Journal of the Science of Food and Agriculture</i> , <b>2017</b> , 97, 3699-3705	4.2	35
484	A comparative study for oil-absorbing performance of octadecyltrichlorosilane treated Calotropis gigantea fiber and kapok fiber. <i>Cellulose</i> , <b>2017</b> , 24, 989-1000	5.4	24

483	ZnAl-Hydrotalcite-Supported Au <sub>25</sub> Nanoclusters as Precatalysts for Chemoselective Hydrogenation of 3-Nitrostyrene. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2753-2757	3.5	30
482	Production of Primary Amines by Reductive Amination of Biomass-Derived Aldehydes/Ketones. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3050-3054	16.1	158
481	Catalytic Conversion of Carbohydrates to Methyl Lactate Using Isolated Tin Sites in SBA-15. <i>ChemistrySelect</i> , <b>2017</b> , 2, 309-314	1.8	34
480	Synthesis of Renewable High-Density Fuel with Cyclopentanone Derived from Hemicellulose. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1812-1817	8.2	45
479	MgO/palygorskite adsorbent derived from natural Mg-rich brine and palygorskite for high-efficient removal of Cd(II) and Zn(II) ions. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 1027-1036	6.7	27
478	Sustainable production of pyromellitic acid with pinacol and diethyl maleate. <i>Green Chemistry</i> , <b>2017</b> , 19, 1663-1667	9.9	16
477	Solid Acid-Catalyzed Dehydration of Pinacol Derivatives in Ionic Liquid: Simple and Efficient Access to Branched 1,3-Dienes. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2576-2582	12.9	11
476	Production of Primary Amines by Reductive Amination of Biomass-Derived Aldehydes/Ketones. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3096-3100	3.5	47
475	Selectivity Control for Cellulose to Diols: Dancing on Eggs. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1939-1954	12.9	97
474	Chemocatalytic Conversion of Cellulosic Biomass to Methyl Glycolate, Ethylene Glycol, and Ethanol. <i>ChemSusChem</i> , <b>2017</b> , 10, 1390-1394	8.2	53
473	More active Ir subnanometer clusters than single-atoms for catalytic oxidation of CO at low temperature. <i>AIChE Journal</i> , <b>2017</b> , 63, 4003-4012	3.5	27
472	Remarkable effect of alkalis on the chemoselective hydrogenation of functionalized nitroarenes over high-loading Pt/FeO catalysts. <i>Chemical Science</i> , <b>2017</b> , 8, 5126-5131	9.1	65
471	Pressure-Sensitive and Conductive Carbon Aerogels from Poplars Catkins for Selective Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18001-18007	9.4	124
470	Sustainable Production of o-Xylene from Biomass-Derived Pinacol and Acrolein. <i>ChemSusChem</i> , <b>2017</b> , 10, 2880-2885	8.2	14
469	Photoelectrochemical devices for solar water splitting - materials and challenges. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 4645-4660	57.5	728
468	Stable formamide/palygorskite nanostructure hybrid material fortified by high-pressure homogenization. <i>Powder Technology</i> , <b>2017</b> , 318, 1-7	5.1	14
467	Poly(m-phenylenediamine) functionalized Calotropis gigantea fiber for coupled adsorption reduction for Cr(VI). <i>Journal of Molecular Liquids</i> , <b>2017</b> , 240, 225-232	5.9	16
466	Selective removal of 1,2-propanediol and 1,2-butanediol from bio-ethylene glycol by catalytic reaction. <i>AIChE Journal</i> , <b>2017</b> , 63, 4032-4042	3.5	18

465	Facile and green fabrication of magnetically recyclable carboxyl-functionalized attapulgite/carbon nanocomposites derived from spent bleaching earth for wastewater treatment. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 102-114	14.6	62
464	UiO-66 derived Ru/ZrO <sub>2</sub> @C as a highly stable catalyst for hydrogenation of levulinic acid to Valerolactone. <i>Green Chemistry</i> , <b>2017</b> , 19, 2201-2211	9.9	115
463	Highly efficient synthesis of 5-hydroxymethylfurfural with carbohydrates over renewable cyclopentanone-based acidic resin. <i>Green Chemistry</i> , <b>2017</b> , 19, 1855-1860	9.9	29
462	Novel environment friendly inorganic red pigments based on attapulgite. <i>Powder Technology</i> , <b>2017</b> , 315, 60-67	5.1	45
461	Colorful Superamphiphobic Coatings with Low Sliding Angles and High Durability Based on Natural Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1941-1952	9.4	70
460	Oriented growth of poly(m-phenylenediamine) on <i>Calotropis gigantea</i> fiber for rapid adsorption of ciprofloxacin. <i>Chemosphere</i> , <b>2017</b> , 171, 223-230	8.4	32
459	Direct Synthesis of Renewable Dodecanol and Dodecane with Methyl Isobutyl Ketone over Dual-Bed Catalyst Systems. <i>ChemSusChem</i> , <b>2017</b> , 10, 825-829	8.2	11
458	Bright blue halloysite/CoAl <sub>2</sub> O <sub>4</sub> hybrid pigments: Preparation, characterization and application in water-based painting. <i>Dyes and Pigments</i> , <b>2017</b> , 139, 473-481	4.5	40
457	Three-dimensional hollow microtubular carbonized kapok fiber/cobalt-nickel binary oxide composites for high-performance electrode materials of supercapacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 224, 113-124	6.7	27
456	Production of renewable 1,3-pentadiene from xylitol via formic acid-mediated deoxydehydration and palladium-catalyzed deoxygenation reactions. <i>Green Chemistry</i> , <b>2017</b> , 19, 638-642	9.9	25
455	Synthesis of Renewable Triketones, Diketones, and Jet-Fuel Range Cycloalkanes with 5-Hydroxymethylfurfural and Ketones. <i>ChemSusChem</i> , <b>2017</b> , 10, 711-719	8.2	31
454	Natural cellulose fiber derived hollow-tubular-oriented polydopamine: In-situ formation of Ag nanoparticles for reduction of 4-nitrophenol. <i>Carbohydrate Polymers</i> , <b>2017</b> , 158, 44-50	10.1	45
453	Morphology control of polyaniline by dopant grown on hollow carbon fibers as high-performance supercapacitor electrodes. <i>Cellulose</i> , <b>2017</b> , 24, 5579-5592	5.4	10
452	Fabrication of stable glycine/palygorskite nanohybrid via high-pressure homogenization as high-efficient adsorbent for Cs(I) and methyl violet. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 80, 997-1005	5.2	6
451	Selective Production of Toluene from Biomass-Derived Isoprene and Acrolein. <i>ChemSusChem</i> , <b>2016</b> , 9, 3434-3440	8.2	10
450	Reply to Comment to the paper: Effect of grinding time on fabricating a stable methylene blue/palygorskite hybrid nanocomposite, by Yuan Zhang, Wenbo Wang, Bin Mu, Qin Wang, AiQin Wang [Powder Technol. 280 (2015) 173-179]. <i>Powder Technology</i> , <b>2016</b> , 299, 261-262	5.1	
449	Effect of promoters on the selective hydrogenolysis of glycerol over Pt/W-containing catalysts. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 1513-1519	11.2	23
448	Synthesis of jet fuel range branched cycloalkanes with mesityl oxide and 2-methylfuran from lignocellulose. <i>Scientific Reports</i> , <b>2016</b> , 6, 32379	4.7	17

447	Hydroformylation of Olefins by a Rhodium Single-Atom Catalyst with Activity Comparable to RhCl(PPh <sub>3</sub> ) <sub>3</sub> . <i>Angewandte Chemie</i> , <b>2016</b> , 128, 16288-16292	3.5	49
446	Hydroformylation of Olefins by a Rhodium Single-Atom Catalyst with Activity Comparable to RhCl(PPh <sub>3</sub> ) <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 16054-16058	16.1	235
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444	Tungsten Carbide: A Remarkably Efficient Catalyst for the Selective Cleavage of Lignin C-O Bonds. <i>ChemSusChem</i> , <b>2016</b> , 9, 3220-3229	8.2	53
443	Direct Catalytic Hydrogenolysis of Kraft Lignin to Phenols in Choline-Derived Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3850-3856	8.2	35
442	An evaluation of palygorskite inclusion on the growth performance and digestive function of broilers. <i>Applied Clay Science</i> , <b>2016</b> , 129, 1-6	5.1	17
441	Theoretical investigations of non-noble metal single-atom catalysis: Ni <sup>1</sup> /FeO <sub>x</sub> for CO oxidation. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 6886-6892	5.4	58
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439	Single-atom dispersed Co-N-C catalyst: structure identification and performance for hydrogenative coupling of nitroarenes. <i>Chemical Science</i> , <b>2016</b> , 7, 5758-5764	9.1	445
438	Catalytically Active Rh Sub-Nanoclusters on TiO <sub>2</sub> for CO Oxidation at Cryogenic Temperatures. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2870-2874	3.5	29
437	From adsorbents to electrode materials: facile hydrothermal synthesis of montmorillonite/polyaniline/metal oxide (hydroxide) composites. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2687-2695	3.5	9
436	From Maya blue to biomimetic pigments: durable biomimetic pigments with self-cleaning property. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 901-907	12.8	58
435	Ultralight, compressible and multifunctional carbon aerogels based on natural tubular cellulose. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2069-2074	12.8	113
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427	Rapid enrichment of rare-earth metals by carboxymethyl cellulose-based open-cellular hydrogel adsorbent from HIPEs template. <i>Carbohydrate Polymers</i> , <b>2016</b> , 140, 51-8	10.1	49
426	Potential of Calotropis gigantea fiber as an absorbent for removal of oil from water. <i>Industrial Crops and Products</i> , <b>2016</b> , 83, 387-390	5.8	48
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415	Synthesis of ethylene glycol and terephthalic acid from biomass for producing PET. <i>Green Chemistry</i> , <b>2016</b> , 18, 342-359	9.9	170
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412	Current fundamental and applied research into clay minerals in China. <i>Applied Clay Science</i> , <b>2016</b> , 119, 3-7	5.1	67

411	Ni(OH) <sub>2</sub> /MoS <sub>x</sub> nanocomposite electrodeposited on a flexible CNT/PI membrane as an electrochemical glucose sensor: the synergistic effect of Ni(OH) <sub>2</sub> and MoS <sub>x</sub> . <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 133-142	2.5	15
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403	Rücktitelbild: Catalytically Active Rh Sub-Nanoclusters on TiO <sub>2</sub> for CO Oxidation at Cryogenic Temperatures (Angew. Chem. 8/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2998-2998	3.5	
402	One-pot preparation of superparamagnetic attapulgite/Fe <sub>3</sub> O <sub>4</sub> /polydopamine nanocomposites for adsorption of methylene blue <b>2016</b> ,		2
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347	Synthesis of high density aviation fuel with cyclopentanol derived from lignocellulose. <i>Scientific Reports</i> , <b>2015</b> , 5, 9565	4.7	52
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