

Zhanhu Guo

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.

924
papers

57,715
citations

131
h-index

183
g-index

960
ext. papers

68,036
ext. citations

6.6
avg, IF

8.33
L-index

#	Paper	IF	Citations
924	Fabrication of a novel separation-free heterostructured photocatalyst with enhanced visible light activity in photocatalytic degradation of antibiotics. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 3146-3158	13	2
923	AZ91 alloy nanocomposites reinforced with Mg-coated graphene: Phases distribution, interfacial microstructure, and property analysis. <i>Journal of Alloys and Compounds</i> , 2022 , 902, 163484	5.7	5
922	A Visible Light Driven Photoelectrochemical Chloramphenicol Aptasensor Based on a Gold Nanoparticle-Functionalized 3D Flower-like MoS/TiO Heterostructure.. <i>Langmuir</i> , 2022 ,	4	3
921	Improved methanogenesis in anaerobic wastewater treatment by magnetite@polyaniline (FeO@PANI) composites.. <i>Chemosphere</i> , 2022 , 296, 133953	8.4	3
920	The impact of electrode with carbon materials on safety performance of lithium-ion batteries: A review. <i>Carbon</i> , 2022 , 191, 448-470	10.4	13
919	N-doped MXene derived from chitosan for the highly effective electrochemical properties as supercapacitor. <i>Advanced Composites and Hybrid Materials</i> , 2022 , 5, 356	8.7	21
918	Reinforcing and toughening blends of recycled acrylonitrile-butadiene-styrene/recycled high-impact polystyrene through ionic crosslinking. <i>Surfaces and Interfaces</i> , 2022 , 28, 101607	4.1	2
917	Carbon foams derived from emulsion-templated porous polymeric composites for electromagnetic interference shielding. <i>Carbon</i> , 2022 , 188, 492-502	10.4	6
916	In-situ constructing visible light CdS/Cd-MOF photocatalyst with enhanced photodegradation of methylene blue. <i>Particuology</i> , 2022 , 69, 111-122	2.8	10
915	Magnetic NiFe ₂ O ₄ /Polypyrrole nanocomposites with enhanced electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022 , 108, 64-72	9.1	35
914	Carbon black and polydopamine modified non-woven fabric enabling efficient solar steam generation towards seawater desalination and wastewater purification. <i>Separation and Purification Technology</i> , 2022 , 278, 119621	8.3	5
913	Highly efficient removal of trace lead (II) from wastewater by 1,4-dicarboxybenzene modified Fe/Co metal organic nanosheets. <i>Journal of Materials Science and Technology</i> , 2022 , 98, 212-218	9.1	22
912	Core-shell structured polyaniline/polypyrrole composites promoted methane production from anaerobic sludge. <i>Chemosphere</i> , 2022 , 287, 132296	8.4	3
911	Ni Flower/MXene-Melamine Foam Derived 3D Magnetic/Conductive Networks for Ultra-Efficient Microwave Absorption and Infrared Stealth.. <i>Nano-Micro Letters</i> , 2022 , 14, 63	19.5	7
910	Fluorinated acrylic monomer modified core-shell polyacrylate latex particles: Preparation, properties and characterizations. <i>Polymer</i> , 2022 , 247, 124783	3.9	0
909	Waterborne acrylic resin co-modified by itaconic acid and β -methacryloxypropyl triisopropoxidesilane for improved mechanical properties, thermal stability, and corrosion resistance. <i>Progress in Organic Coatings</i> , 2022 , 168, 106875	4.8	7
908	Vertically Aligned Silicon Carbide Nanowires/Boron Nitride Cellulose Aerogel Networks Enhanced Thermal Conductivity and Electromagnetic Absorbing of Epoxy Composites.. <i>Nano-Micro Letters</i> , 2022 , 14, 118	19.5	13

907	Building blend from recycling acrylonitrileButadieneStyrene and high impact-resistance polystyrene through dextro-glucose. <i>Reactive and Functional Polymers</i> , 2022 , 175, 105287	4.6	0
906	Highly transmitted silver nanowires-SWCNTs conductive flexible film by nested density structure and aluminum-doped zinc oxide capping layer for flexible amorphous silicon solar cells. <i>Journal of Materials Science and Technology</i> , 2022 , 126, 152-160	9.1	10
905	Overview of MXene/conducting polymer composites for supercapacitors. <i>Journal of Energy Storage</i> , 2022 , 52, 105008	7.8	4
904	FeCo alloy nanoparticle decorated cellulose based carbon aerogel as a low-cost and efficient electromagnetic microwave absorber. <i>Journal of Materials Chemistry C</i> , 2021 , 10, 126-134	7.1	4
903	Fluorescent Carbon Dots Crosslinked Cellulose Nanofibril/Chitosan Interpenetrating Hydrogel System for Sensitive Detection and Efficient Adsorption of Cu (II) and Cr (VI). <i>Chemical Engineering Journal</i> , 2021 , 133154	14.7	8
902	Dopamine-modified aramid fibers reinforced epoxidized natural rubber nanocomposites. <i>Composites Communications</i> , 2021 , 100996	6.7	1
901	Self-template biomass-derived nitrogen and oxygen co-doped porous carbon for symmetrical supercapacitor and dye adsorption. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 1413	8.7	29
900	Lightweight Fe ₃ C@Fe/C nanocomposites derived from wasted cornstalks with high-efficiency microwave absorption and ultrathin thickness. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 1226	8.7	93
899	Flexible Conductive Polyimide Fiber/MXene Composite Film for Electromagnetic Interference Shielding and Joule Heating with Excellent Harsh Environment Tolerance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50368-50380	9.5	16
898	Effect of phosphating solution pH value on the formation of phosphate conversion coatings for corrosion behaviors on AZ91D. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 401-414	8.7	10
897	Polyaniline facilitated curing of phthalonitrile resin with enhanced processibility and mechanical property. <i>Polymer</i> , 2021 , 219, 123533	3.9	10
896	Immobilization of graphitic carbon nitride on wood surface via chemical crosslinking method for UV resistance and self-cleaning. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 286-293	8.7	14
895	Excellent selectivity and high capacity of As (V) removal by a novel lignin-based adsorbent doped with N element and modified with Ca. <i>International Journal of Biological Macromolecules</i> , 2021 , 172, 299-308	7.9	6
894	Synergistically improved methane production from anaerobic wastewater treatment by iron/polyaniline composite. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 265-273	8.7	23
893	Highly thermal conductive epoxy nanocomposites filled with 3D BN/C spatial network prepared by salt template assisted method. <i>Composites Part B: Engineering</i> , 2021 , 209, 108609	10	30
892	Selective extraction of uranium from seawater with biofouling-resistant polymeric peptide. <i>Nature Sustainability</i> , 2021 , 4, 708-714	22.1	23
891	Tunable positive magnetoresistance of magnetic polyaniline nanocomposites. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 534-542	8.7	41
890	Bi-functional side chain architecture tuned amphoteric ion exchange membranes for high-performance vanadium redox flow batteries. <i>Journal of Membrane Science</i> , 2021 , 624, 119118	9.6	10

889	Research on High-Efficiency Transmission Characteristics of Multi-Channel Breast Ultrasound Signals Based on Graphene Structure. <i>Crystals</i> , 2021 , 11, 507	2.3	1
888	Removing Pb ²⁺ and As(V) from polluted water by highly reusable Fe-Mg metal-organic complex adsorbent. <i>Powder Technology</i> , 2021 , 383, 104-114	5.2	6
887	Review on the electromagnetic interference shielding properties of carbon based materials and their novel composites: Recent progress, challenges and prospects. <i>Carbon</i> , 2021 , 176, 88-105	10.4	114
886	Ionic liquid enabled flexible transparent polydimethylsiloxane sensors for both strain and temperature sensing. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 574-583	8.7	19
885	Flower-like Hydroxyfluoride-Sensing Platform toward NO Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26278-26287	9.5	7
884	Aluminum dihydric tripolyphosphate/polypyrrole-functionalized graphene oxide waterborne epoxy composite coatings for impermeability and corrosion protection performance of metals. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 780-792	8.7	29
883	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24945-24958	8.5	9
882	Synergistic effect of carboxymethylcellulose and <i>Cryptococcus laurentii</i> on suppressing green mould of postharvest grapefruit and its mechanism. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 253-262	7.9	1
881	Improved methane production from anaerobic organic wastewater treatment by nitrogen-doped carbon. <i>Carbon</i> , 2021 , 177, 151-159	10.4	1
880	Nanocellulose nanocomposite aerogel towards efficient oil and organic solvent adsorption. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 459-468	8.7	35
879	Strong selectivity and high capacity in the adsorption of As (V) from wastewater by glycine-modified Fe/Cu-layered double hydroxides. <i>Journal of Alloys and Compounds</i> , 2021 , 865, 158956	5.7	12
878	Impacts of chain extenders on thermal property, degradation, and rheological performance of poly(butylene adipate-co-terephthalate). <i>Journal of Materials Research</i> , 2021 , 36, 3134-3144	2.5	2
877	Recent progress for silver nanowires conducting film for flexible electronics. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 11, 1-19	7.6	22
876	Advances in Responsively Conductive Polymer Composites and Sensing Applications. <i>Polymer Reviews</i> , 2021 , 61, 157-193	14	47
875	Thermo and light-responsive strategies of smart titanium-containing composite material surface for enhancing bacterially anti-adhesive property. <i>Chemical Engineering Journal</i> , 2021 , 407, 125783	14.7	51
874	An overview of amphoteric ion exchange membranes for vanadium redox flow batteries. <i>Journal of Materials Science and Technology</i> , 2021 , 69, 212-227	9.1	20
873	Electrospun iron/cobalt alloy nanoparticles on carbon nanofibers towards exhaustive electrocatalytic degradation of tetracycline in wastewater. <i>Chemical Engineering Journal</i> , 2021 , 405, 126585	14.7	46
872	Conductive polyaniline hydrogel enhanced methane production from anaerobic wastewater treatment. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 314-322	9.3	13

871	Solvent-free nanoalumina loaded nanocellulose aerogel for efficient oil and organic solvent adsorption. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 299-306	9.3	33
870	Synthesis of 3D Ni ₃ Se ₂ nano-architectures for electrochemical energy storage and conversion. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157479	5.7	3
869	Influences of aggressive ions in human plasma on the corrosion behavior of AZ80 magnesium alloy. <i>Materials Science and Engineering C</i> , 2021 , 119, 111521	8.3	2
868	Enhancing interfacial performance of epoxy resin composites via in-situ nucleophilic addition polymerization modification of carbon fibers with hyperbranched polyimidazole. <i>Composites Science and Technology</i> , 2021 , 201, 108522	8.6	58
867	Recent Advances of Asymmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001710	4.6	73
866	The recent progress of synergistic supramolecular polymers: preparation, properties and applications. <i>Chemical Communications</i> , 2021 , 57, 1413-1429	5.8	18
865	Narrow pH response multilayer films with controlled release of ibuprofen on magnesium alloy. <i>Materials Science and Engineering C</i> , 2021 , 118, 111414	8.3	1
864	Porous TiO ₂ @TiO ₃ @Carbon nanocomposites as anode for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 858, 157635	5.7	5
863	Recent Advances in Carbon Nanotube Utilizations in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2004765	15.6	14
862	Skin-inspired self-healing semiconductive touch panel based on novel transparent stretchable hydrogels. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14806-14817	13	5
861	Adjustable magnetoresistance in semiconducting carbonized phthalonitrile resin. <i>Chemical Communications</i> , 2021 , 57, 9894-9897	5.8	1
860	Ultra-sensitive flexible sandwich structural strain sensors based on a silver nanowire supported PDMS/PVDF electrospun membrane substrate. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2752-2762	7.1	13
859	Understanding the varying mechanisms between the conformal interlayer and overlayer in the silicon/hematite dual-absorber photoanode for solar water splitting. <i>Dalton Transactions</i> , 2021 , 50, 2936-2944	4.3	2
858	Gold/titania Nanorod Assembled Urchin-like Photocatalysts with an Enhanced Hydrogen Generation by Photocatalytic Biomass Reforming. <i>Engineered Science</i> , 2021 ,	3.8	4
857	A resilient and lightweight bacterial cellulose-derived C/rGO aerogel-based electromagnetic wave absorber integrated with multiple functions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 5566-5577	13	19
856	Overview of cellulose-based flexible materials for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7278-7300	13	25
855	An Overview of Oxygen Reduction Electrocatalysts for Rechargeable Zinc-Air Batteries Enabled by Carbon and Carbon Composites. <i>Engineered Science</i> , 2021 ,	3.8	8
854	Tunable magnetoresistance of core-shell structured polyaniline nanocomposites with 0-, 1-, and 2-dimensional nanocarbons. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 51-64	8.7	47

853	In-situ synthesis of uranyl-imprinted nanocage for selective uranium recovery from seawater. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
852	Corrosion Behavior of a Nickel-Free High-Nitrogen Stainless Steel with Hydrogen Charging. <i>Jom</i> , 2021 , 73, 1165-1172	2.1	21
851	Hierarchically porous Co/C nanocomposites for ultralight high-performance microwave absorption. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 173-185	8.7	198
850	Modification of coconut shell-based activated carbon and purification of wastewater. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 65-73	8.7	19
849	Polypyrrole/reduced graphene aerogel film for wearable piezoresistive sensors with high sensing performances. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 86-95	8.7	43
848	Preparation and properties of ethylene-acrylate salt ionomer/polypropylene antistatic alloy. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 104-113	8.7	8
847	A multifunctional pentlandite counter electrode toward efficient and stable sensitized solar cells. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 392-400	8.7	7
846	Layer-by-layer assembled free-standing and flexible nanocellulose/porous Co ₃ O ₄ polyhedron hybrid film as supercapacitor electrodes. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 306-316	8.7	55
845	Dual-acting cellulose nanocomposites filled with carbon nanotubes and zeolitic imidazolate framework-67 (ZIF-67) derived polyhedral porous Co ₃ O ₄ for symmetric supercapacitors. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 670-683	8.7	21
844	Interface Engineered Microcellular Magnetic Conductive Polyurethane Nanocomposite Foams for Electromagnetic Interference Shielding. <i>Nano-Micro Letters</i> , 2021 , 13, 153	19.5	54
843	Recent Progress in Essential Functions of Soft Electronic Skin. <i>Advanced Functional Materials</i> , 2021 , 31, 2104686	15.6	43
842	Advances in transparent and stretchable strain sensors. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 435-450	8.7	27
841	MOF-derived porous hollow Ni/C composites with optimized impedance matching as lightweight microwave absorption materials. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 707-715	8.7	76
840	Hydrothermally synthesized Ti/Zr bimetallic MOFs derived N self-doped TiO ₂ /ZrO ₂ composite catalysts with enhanced photocatalytic degradation of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 623, 126629	5.1	14
839	Soap-free styrene-acrylic/carbon nanotubes composite latex by in situ emulsion polymerization: Preparation, properties and characterizations. <i>Surfaces and Interfaces</i> , 2021 , 25, 101204	4.1	2
838	Ultra-Stretchable Self-Healing Composite Hydrogels as Touch Panel. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100742	4.6	2
837	Designing Na ₂ Zn ₂ TeO ₆ -Embedded 3D-Nanofibrous Poly(vinylidene fluoride)-co-hexafluoropropylene-Based Nanohybrid Electrolyte via Electrospinning for Durable Sodium-Ion Capacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8475-8487	6.1	6
836	Flotation separation of acrylonitrile-butadienestyrene (ABS) and high impact polystyrene (HIPS) from waste electrical and electronic equipment (WEEE) by potassium permanganate surface modification. <i>Separation and Purification Technology</i> , 2021 , 269, 118767	8.3	6

835	In situ-grown Co ₃ O ₄ nanorods on carbon cloth for efficient electrocatalytic oxidation of urea. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 11, 735	7.6	3
834	Agaric-like anodes of porous carbon decorated with MoO nanoparticles for stable ultralong cycling lifespan and high-rate lithium/sodium storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 396-407	9.3	70
833	Revisiting Nafion membranes by introducing ammoniated polymer with norbornene to improve fuel cell performance. <i>Journal of Power Sources</i> , 2021 , 506, 230164	8.9	2
832	Synthesis, characterization and properties of poly(butanediol sebacate-butenediol terephthalate) (PBSeT) copolyesters using glycerol as cross-linking agent. <i>Materials Today Communications</i> , 2021 , 28, 102557	2.5	3
831	Design, photoelectric properties and electron transition mechanism of Cr doped p-CuGaS ₂ compound based on intermediate band effect. <i>Materials Today Physics</i> , 2021 , 21, 100545	8	3
830	Fungus bran-derived nanoporous carbon with layered structure and rime-like support for enhanced symmetric supercapacitors. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 11, 769	7.6	6
829	Flexible Ag Microparticle/MXene-Based Film for Energy Harvesting. <i>Nano-Micro Letters</i> , 2021 , 13, 201	19.5	18
828	Highly thermally conductive 3D BN/MWCNTs/C spatial network composites with improved electrically insulating and flame retardancy prepared by biological template assisted method. <i>Composites Part B: Engineering</i> , 2021 , 222, 109039	10	6
827	Significant improvement on selectivity and capacity of glycine-modified FeCo-layered double hydroxides in the removal of As (V) from polluted water. <i>Chemosphere</i> , 2021 , 281, 130943	8.4	2
826	Novel computational design of high refractive index nanocomposites and effective refractive index tuning based on nanoparticle morphology effect. <i>Composites Part B: Engineering</i> , 2021 , 223, 109128	10	0
825	Metal organic framework-derived C-doped ZnO/TiO nanocomposite catalysts for enhanced photodegradation of Rhodamine B. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 566-576	9.3	31
824	Toughening epoxy resin by constructing π-π interaction between a tung oil-based modifier and epoxy. <i>Industrial Crops and Products</i> , 2021 , 170, 113723	5.9	3
823	Preparation of Mg,N-co-doped lignin adsorbents for enhanced selectivity and high adsorption capacity of As (V) from wastewater. <i>Particuology</i> , 2021 , 58, 206-213	2.8	18
822	Microwave hydrothermal fabrication of CuFeCr ternary layered double hydroxides with excellent Cr(VI) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127279	5.1	2
821	Interfacial polymerized copolymers of aniline and phenylenediamine with tunable magnetoresistance and negative permittivity. <i>Materials Today Physics</i> , 2021 , 21, 100502	8	17
820	Recent advancements in self-healing materials: Mechanicals, performances and features. <i>Reactive and Functional Polymers</i> , 2021 , 168, 105041	4.6	8
819	Advances in Waterborne Acrylic Resins: Synthesis Principle, Modification Strategies, and Their Applications. <i>ACS Omega</i> , 2021 , 6, 2443-2449	3.9	16
818	Multi-factor analysis on thermal conductive property of metal-polymer composite microstructure heat exchanger. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 27-35	8.7	14

817	Enhanced Absorption in the Wide Wavelength Range: Black Silicon Decorated with Few-Layer PtS ₂ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27335-27343	3.8	1
816	Synthesis of high performance diesel oxidation catalyst using novel mesoporous AlLaZrTiOx mixed oxides by a modified sol-gel method. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 583-593	8.7	27
815	Thermally Conductive Anticorrosive Epoxy Nanocomposites with Tannic Acid-Modified Boron Nitride Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20371-20381	3.9	19
814	Polyvinyl alcohol/carbon fibers composites with tunable negative permittivity behavior. <i>Surfaces and Interfaces</i> , 2020 , 21, 100735	4.1	22
813	Assessment of the electrochemical behaviour of silicon@carbon nanocomposite anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154644	5.7	23
812	Electrospun carbon/iron nanofibers: The catalytic effects of iron and application in Cr(VI) removal. <i>Carbon</i> , 2020 , 166, 227-244	10.4	9
811	Improving electrical, mechanical, thermal and hydrophobic properties of waterborne acrylic resin-glycidyl methacrylate (GMA) by adding multi-walled carbon nanotubes. <i>Polymer</i> , 2020 , 200, 122547	3.9	23
810	Improved Corrosion Resistance and Increased Hardness of Copper Substrates from Cu-Ni/Ni-P Composite Coatings. <i>MRS Advances</i> , 2020 , 5, 2129-2137	0.7	2
809	Bimetallic metal-organic frameworks anchored corn-cob-derived porous carbon photocatalysts for synergistic degradation of organic pollutants. <i>Chemosphere</i> , 2020 , 259, 127389	8.4	28
808	Photocatalytic degradation of organic dye and phytohormone by a Cu(II) complex powder catalyst with added H ₂ O ₂ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 603, 125147	5.1	11
807	Binder-free CuS/ZnS/sodium alginate/rGO nanocomposite hydrogel electrodes for enhanced performance supercapacitors. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 310-319	7.9	14
806	Synthesis of dynamic imine macrocyclic supramolecular polymers via synchronized self-assembly based on dynamic covalent bonds and noncovalent interactions. <i>Chemical Communications</i> , 2020 , 56, 9288-9291	5.8	5
805	Influence of rhenium and tungsten on the microstructure and performance of GH4169 alloy through heat treatment. <i>Emerging Materials Research</i> , 2020 , 9, 705-715	1.4	1
804	Controllable antibacterial and bacterially anti-adhesive surface fabricated by a bio-inspired beetle-like macromolecule. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 553-560	7.9	33
803	Cu/N doped lignin for highly selective efficient removal of As(v) from polluted water. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 147-154	7.9	19
802	Fungus Bran-Derived Porous N-Doped Carbon/Zinc Manganese Oxide Nanocomposite Positive Electrodes toward High-Performance Asymmetric Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15713-15722	3.8	9
801	Impacts of SiC on the microstructure and wear performances of (SiC/Al ₃ Ti)/7075 composites. <i>Emerging Materials Research</i> , 2020 , 9, 716-724	1.4	1
800	Effect of γ -aminopropyltriethoxysilane on the properties of cellulose acetate butyrate modified acrylic waterborne coatings. <i>Reactive and Functional Polymers</i> , 2020 , 154, 104657	4.6	13

799	Simultaneously strengthening, toughening, and conductivity improving for epoxy at ultralow carbonaceous filler content by constructing 3D nanostructures and sacrificial bonds. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 137, 106014	8.4	6
798	A Novel Route to Synthesize N,N-Dimethyl Arylmethylamines from Aryl Aldehydes, Hexamethylenetetramine and Hydrogen \square <i>Chinese Journal of Chemistry</i> , 2020 , 38, 842-846	4.9	1
797	Trace bismuth and iodine co-doping enhanced thermoelectric performance of PbTe alloys. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 245501	3	21
796	A self-supported 3D aerogel network lithium-sulfur battery cathode: sulfur spheres wrapped with phosphorus doped graphene and bridged with carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7980-7990	13	48
795	Zwitterionic glycine modified Fe/Mg-layered double hydroxides for highly selective and efficient removal of oxyanions from polluted water. <i>Journal of Materials Science and Technology</i> , 2020 , 51, 8-15	9.1	40
794	Carbon Nitride-Based Single-Atom Cu Catalysts for Highly Efficient Carboxylation of Alkynes with Atmospheric CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7327-7335	3.9	27
793	Overview of Polyvinyl Alcohol Nanocomposite Hydrogels for Electro-Skin, Actuator, Supercapacitor and Fuel Cell. <i>Chemical Record</i> , 2020 , 20, 773-792	6.6	24
792	Significantly Strengthening Epoxy by Incorporating Carbon Nanotubes/Graphitic Carbon Nitride Hybrid Nanofillers. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000231	3.9	8
791	Overview of Ionogels in Flexible Electronics. <i>Chemical Record</i> , 2020 , 20, 948-967	6.6	26
790	Theoretical investigation of molybdenum/tungsten-vanadium solid solution alloy membranes: Thermodynamic stability and hydrogen permeation. <i>Journal of Membrane Science</i> , 2020 , 608, 118200	9.6	16
789	Sodium-ion capacitors: Materials, Mechanism, and Challenges. <i>ChemSusChem</i> , 2020 , 13, 2522-2539	8.3	58
788	Enteromorpha prolifera polysaccharide based coagulant aid for humic acids removal and ultrafiltration membrane fouling control. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 576-583	7.9	23
787	Achieving enhanced electromagnetic shielding and absorption capacity of cellulose-derived carbon aerogels via tuning the carbonization temperature. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5191-5201	7.1	23
786	Microwave hydrothermal synthesized ZnIn-layered double hydroxides derived ZnIn-layered double oxides for enhanced methylene blue photodegradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 592, 124588	5.1	39
785	Low optical dosage heating-reduced viscosity for fast and large-scale cleanup of spilled crude oil by reduced graphene oxide melamine nanocomposite adsorbents. <i>Nanotechnology</i> , 2020 , 31, 225402	3.4	35
784	Robust flexible poly(amidoxime) porous network membranes for highly efficient uranium extraction from seawater. <i>Nano Energy</i> , 2020 , 71, 104629	17.1	51
783	Boosting Multiple Interfaces by Co-Doped Graphene Quantum Dots for High Efficiency and Durability Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13941-13949	9.5	44
782	Effects of pretreated carbon supports in Pd/C catalysts on rosin disproportionation catalytic performance. <i>Chemical Engineering Science</i> , 2020 , 216, 115588	4.4	7

781	A novel nano-fibriform C- modified niobium pentoxide by using cellulose templates with highly visible-light photocatalytic performance. <i>Ceramics International</i> , 2020 , 46, 13210-13218	5.1	22
780	Advances in Template Prepared Nano-Oxides and their Applications: Polluted Water Treatment, Energy, Sensing and Biomedical Drug Delivery. <i>Chemical Record</i> , 2020 , 20, 710-729	6.6	25
779	Enhancing thermal conductivity via conductive network conversion from high to low thermal dissipation in polydimethylsiloxane composites. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3463-3475	7.1	55
778	Effects of chlorinated polyethylene and antimony trioxide on recycled polyvinyl chloride/acryl-butadiene-styrene blends: Flame retardancy and mechanical properties. <i>Polymer</i> , 2020 , 190, 122198	3.9	26
777	Laccase immobilized polyaniline/magnetic graphene composite electrode for detecting hydroquinone. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 1130-1138	7.9	78
776	Flexible silver nanowire/carbon fiber felt metacomposites with weakly negative permittivity behavior. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 5114-5122	3.6	81
775	One-step co-precipitation synthesis of novel BiOCl/CeO ₂ composites with enhanced photodegradation of rhodamine B. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1345-1361	6.8	26
774	Fast room-temperature self-healing siloxane elastomer for healable stretchable electronics. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 105-114	9.3	22
773	Anti-liquid-Interfering and Bacterially Antiadhesive Strategy for Highly Stretchable and Ultrasensitive Strain Sensors Based on Cassie-Baxter Wetting State. <i>Advanced Functional Materials</i> , 2020 , 30, 2000398	15.6	109
772	Bioactive Compounds: Antioxidant, Antibacterial and Antiproliferative Activities in <i>Chloranthus henryi</i> . <i>Science of Advanced Materials</i> , 2020 , 12, 144-151	2.3	10
771	Enhanced Catalytic Conversion of Camelina Oil to Hydrocarbon Fuels Over Ni-MCM-41 Catalysts. <i>Science of Advanced Materials</i> , 2020 , 12, 304-311	2.3	23
770	Experimental And Theoretical Characteristic Of Single Atom Co-N-C Catalyst For Li-O ₂ Batteries. <i>Engineered Science</i> , 2020 ,	3.8	9
769	Recent Advances in Co ₃ O ₄ as Anode Materials for High-Performance Lithium-Ion Batteries. <i>Engineered Science</i> , 2020 ,	3.8	21
768	Recent Progress on Thermo-electrical Properties of Conductive Polymer Composites and Their Application in Temperature Sensors. <i>Engineered Science</i> , 2020 ,	3.8	31
767	Polyethylene Glycol/Carbon Black Shape-Stable Phase Change Composites for Peak Load Regulating of Electric Power System and Corresponding Thermal Energy Storage. <i>Engineered Science</i> , 2020 ,	3.8	15
766	Significantly Enhanced Ultrathin NiCo-based MOF Nanosheet Electrodes Hybridized with Ti ₃ C ₂ T _x MXene for High Performance Asymmetric Supercapacitors. <i>Engineered Science</i> , 2020 ,	3.8	24
765	Photodegradation of Gaseous Toluene by Vacuum Ultraviolet Light: Performance and Mechanism. <i>Engineered Science</i> , 2020 ,	3.8	12
764	Nanocellulose-based composite materials for wastewater treatment and waste-oil remediation. <i>ES Food & Agroforestry</i> , 2020 ,	3	24

763	Synthesis and Characterization of Antiflammable Vinyl Ester Resin Nanocomposites with Surface Functionalized Nanotitania. <i>ES Materials & Manufacturing</i> , 2020 ,	3.7	12
762	A Facile Synthesis of Ag/TiO ₂ /rGO Nanocomposites with Enhanced Visible Light Photocatalytic Activity. <i>ES Materials & Manufacturing</i> , 2020 ,	3.7	21
761	Polydimethylsiloxane Resin Nanocomposite Coating with Alternating Multilayer Structure for Corrosion Protection Performance. <i>ES Materials & Manufacturing</i> , 2020 ,	3.7	14
760	2-(3,4-Epoxy) ethyltriethoxysilane-modified waterborne acrylic resin: Preparation and property analysis. <i>Polymer</i> , 2020 , 190, 122196	3.9	31
759	Microwave-hydrothermal synthesis of beta-bismuth (III) oxide nanopowders and their enhanced photocatalytic properties. <i>Powder Technology</i> , 2020 , 370, 226-236	5.2	12
758	An inverse opal CuNbO anode for high-performance Li storage. <i>Chemical Communications</i> , 2020 , 56, 7321-7324	5.8	14
757	Research on acoustic conduction mechanism of underwater acoustic channel based on metamaterials. <i>AIP Advances</i> , 2020 , 10, 115321	1.5	1
756	Hydrogen bonding derived self-healing polymer composites reinforced with amidation carbon fibers. <i>Nanotechnology</i> , 2020 , 31, 025704	3.4	37
755	Magnetic nanocellulose-magnetite aerogel for easy oil adsorption. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 849-856	9.3	84
754	Environmentally friendly alternative to polyester polyol by corn straw on preparation of rigid polyurethane composite. <i>Composites Communications</i> , 2020 , 17, 109-114	6.7	12
753	Photoinduced Multiple Effects to Enhance Uranium Extraction from Natural Seawater by Black Phosphorus Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1220-1227	16.4	56
752	Optimizing nanocarbon shell in zero-valent iron nanoparticles for improved electron utilization in Cr(VI) reduction. <i>Chemosphere</i> , 2020 , 242, 125235	8.4	31
751	Antifouling and antibacterial behaviors of capsaicin-based pH responsive smart coatings in marine environments. <i>Materials Science and Engineering C</i> , 2020 , 108, 110361	8.3	49
750	Photoinduced Multiple Effects to Enhance Uranium Extraction from Natural Seawater by Black Phosphorus Nanosheets. <i>Angewandte Chemie</i> , 2020 , 132, 1236-1243	3.6	10
749	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. <i>ChemNanoMat</i> , 2020 , 6, 174-184	3.5	89
748	Fabrication and in-vitro biocompatibility of freeze-dried CTS-nHA and CTS-nBG scaffolds for bone regeneration applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 1-10	7.9	21
747	A highly Li-conductive HfNbO anode material for superior Li storage. <i>Chemical Communications</i> , 2020 , 56, 619-622	5.8	45
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743	Tunneling-induced negative permittivity in Ni/MnO nanocomposites by a bio-gel derived strategy. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3029-3039	7.1	146
742	Direct Observation of Stable Negative Capacitance in SrTiO ₃ @BaTiO ₃ Heterostructure. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901005	6.4	14
741	Effect of MoO ₃ /carbon nanotubes on friction and wear performance of glass fabric-reinforced epoxy composites under dry sliding. <i>Applied Surface Science</i> , 2020 , 506, 144946	6.7	75
740	Self-Supported Iridium Oxide Nanostructures for Electrocatalytic Water Oxidation in Acidic Media. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2-8	3.8	14
739	Advanced porous hierarchical activated carbon derived from agricultural wastes toward high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020 , 820, 153111	5.7	89
738	A novel combination of graphene and silver nanowires for entirely stretchable and ultrasensitive strain sensors: sandwich-based sensing films. <i>Nanotechnology</i> , 2020 , 31, 135501	3.4	9
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736	Graphene/Carbon Black/CaCu ₃ Ti ₄ O ₁₂ Ternary Metacomposites toward a Tunable and Weakly Negative Property at the Radio-Frequency Region. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 23361-23367	3.8	15
735	Layer-by-layer constructing interface with rigid-flexible transition structure for improving interfacial adhesion of PBO fiber composites. <i>Composites Communications</i> , 2020 , 22, 100466	6.7	6
734	Formability and hardness studies of selective laser melting of GH4169 Ni-based alloy powders. <i>Emerging Materials Research</i> , 2020 , 9, 758-769	1.4	0
733	Carbon microfibers with tailored surface functionalities supporting iron/nickel bisalloy for highly efficient hexavalent chromium recovery. <i>Carbon</i> , 2020 , 168, 640-649	10.4	18
732	Emerging flexible sensors based on nanomaterials: recent status and applications. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25499-25527	13	40
731	Research progress for plastic waste management and manufacture of value-added products. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 443-461	8.7	35
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726	Research progress in rare earths and their composites based electrode materials for supercapacitors. <i>Green Energy and Environment</i> , 2020 , 5, 259-273	5.7	38
725	Anticorrosive Epoxy Nanocomposite Coatings Filled with Polyaniline-Functionalized Silicon Nitride Particles. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16649-16659	3.9	7
724	Chemical characteristic and bioactivity of hemicellulose-based polysaccharides isolated from <i>Salvia miltiorrhiza</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2475-2483	7.9	5
723	The Properties and Preparation Methods of Different Boron Nitride Nanostructures and Applications of Related Nanocomposites. <i>Chemical Record</i> , 2020 , 20, 1314-1337	6.6	13
722	An overview of graphene and its derivatives reinforced metal matrix composites: Preparation, properties and applications. <i>Carbon</i> , 2020 , 170, 302-326	10.4	77
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720	Flexible conductive MXene/cellulose nanocrystal coated nonwoven fabrics for tunable wearable strain/pressure sensors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21131-21141	13	80
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637	Interfacial Engineering for High-Efficiency Nanorod Array-Structured Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33770-33780	9.5	41
636	Metal-free energy storage systems: combining batteries with capacitors based on a methylene blue functionalized graphene cathode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19668-19675	13	112
635	Effect of graphene liquid crystal on dielectric properties of polydimethylsiloxane nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 176, 107338	10	56
634	A Dual-Surface Amidoximated Halloysite Nanotube for High-Efficiency Economical Uranium Extraction from Seawater. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14979-14985	16.4	84
633	Weakly negative permittivity and low frequency dispersive behavior in graphene/epoxy metacomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 14745-14754	2.1	33
632	Amorphous MnSiO ₃ confined in graphene sheets for superior lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 804, 243-251	5.7	13
631	Controllable organic magnetoresistance in polyaniline coated poly(p-phenylene-2,6-benzobisoxazole) short fibers. <i>Chemical Communications</i> , 2019 , 55, 10068-10071	5.8	79
630	Efficient bifunctional Co/N dual-doped carbon electrocatalysts for oxygen reduction and evolution reaction. <i>Carbon</i> , 2019 , 153, 575-584	10.4	42
629	Ultrafast Recovery of Uranium from Seawater by Strain UUS-1 with Innate Anti-Biofouling Activity. <i>Advanced Science</i> , 2019 , 6, 1900961	13.6	39
628	Ultrafast and Highly Selective Uranium Extraction from Seawater by Hydrogel-like Spidroin-based Protein Fiber. <i>Angewandte Chemie</i> , 2019 , 131, 11911-11916	3.6	18
627	Friction and Wear of MoO ₃ /Graphene Oxide Modified Glass Fiber Reinforced Epoxy Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1900166	3.9	79
626	Effects of Transition Metal Substituents on Interfacial and Electronic Structure of CHNHPbI/TiO Interface: A First-Principles Comparative Study. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
625	Reinforcing carbon fiber epoxy composites with triazine derivatives functionalized graphene oxide modified sizing agent. <i>Composites Part B: Engineering</i> , 2019 , 176, 107078	10	160
624	Highly Compressible and Robust Polyimide/Carbon Nanotube Composite Aerogel for High-Performance Wearable Pressure Sensor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42594-42606	9.5	134
623	N,S-self-doped carbon quantum dots from fungus fibers for sensing tetracyclines and for bioimaging cancer cells. <i>Materials Science and Engineering C</i> , 2019 , 105, 110132	8.3	81
622	Facile bioactive yeast cell templated synthesis of laser stealth antimony doped tin oxide hollow microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 583, 123965	5.1	18
621	Boosting ion dynamics through superwetttable leaf-like film based on porous g-C ₃ N ₄ nanosheets for ionogel supercapacitors. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	30
620	Fabric/multi-walled carbon nanotube sensor for portable on-site copper detection in water. <i>Advanced Composites and Hybrid Materials</i> , 2019 , 2, 711-719	8.7	26

619	A Dual-Surface Amidoximated Halloysite Nanotube for High-Efficiency Economical Uranium Extraction from Seawater. <i>Angewandte Chemie</i> , 2019 , 131, 15121-15127	3.6	21
618	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1900374	3.9	61
617	Template-free microwave-assisted synthesis of FeTi coordination complex yolk-shell microspheres for superior catalytic removal of arsenic and chemical degradation of methylene blue from polluted water. <i>Powder Technology</i> , 2019 , 356, 726-734	5.2	70
616	Optimization of Epoxypinane Synthesis by Silicotungstic Acid Supported on SBA-15 Catalyst Using Response Surface Methodology. <i>Science of Advanced Materials</i> , 2019 , 11, 699-707	2.3	35
615	Vinyl Ester Resin Nanocomposites Reinforced with Carbon Nanotubes Modified Basalt Fibers. <i>Science of Advanced Materials</i> , 2019 , 11, 1340-1347	2.3	14
614	Preparation and Characterization of Mesoporous CuO/ZSM-5 Catalysts for Automotive Exhaust Purification. <i>Science of Advanced Materials</i> , 2019 , 11, 1198-1205	2.3	45
613	The Effect of Deformation Parameters on Advanced High Strength Steel Treated by Quenching-Partitioning-Tempering Process. <i>Science of Advanced Materials</i> , 2019 , 11, 1044-1051	2.3	4
612	Remarkably Enhanced CO ₂ Uptake and Uranium Extraction by Functionalization of Cyano-bearing Conjugated Porous Polycarbazoles. <i>Engineered Science</i> , 2019 ,	3.8	4
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610	Highly Efficient Fluoride Adsorption in Domestic Water with RGO/Ag Nanomaterials. <i>ES Energy & Environments</i> , 2019 ,	2.9	8
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608	http://www.espublisher.com/journals/articledetails/115/ . <i>ES Materials & Manufacturing</i> , 2019 ,	3.7	7
607	Amino Carbon Nanotube Modified Reduced Graphene Oxide Aerogel for Oil/Water Separation. <i>ES Materials & Manufacturing</i> , 2019 ,	3.7	8
606	Heterogeneous interface induced formation of balsam pear-like PPy for high performance supercapacitors. <i>Materials Letters</i> , 2019 , 244, 27-30	3.3	41
605	Experimental study on thermal expansion coefficient of composite multi-layered flaky gun propellants. <i>Composites Part B: Engineering</i> , 2019 , 166, 428-435	10	57
604	Amino graphene oxide/dopamine modified aramid fibers: Preparation, epoxy nanocomposites and property analysis. <i>Polymer</i> , 2019 , 168, 131-137	3.9	125
603	Sandwich structured WO ₃ nanoplatelets for highly efficient photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26077-26088	13	46
602	Local acoustic field enhancement of single cell photoacoustic signal detection based on metamaterial structure. <i>AIP Advances</i> , 2019 , 9, 095064	1.5	5

601	A new anti-biofilm strategy of enabling arbitrary surfaces of materials and devices with robust bacterial anti-adhesion via a spraying modified microsphere method. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26039-26052	13	104
600	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1970035	3.9	14
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587	Progress on the Photocatalytic Reduction Removal of Chromium Contamination. <i>Chemical Record</i> , 2019 , 19, 873-882	6.6	132
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563	Layered Double Hydroxide-Derived NO _x Storage and Reduction Catalysts for Vehicle NO _x Emission Control 2018 , 527-541		
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542	Photocatalytic Nanomaterials for the Energy and Environmental Application 2018 , 353-401		3
541	Advanced Nanocomposite Electrodes for Lithium-Ion Batteries 2018 , 7-32		1
540	Perovskite Solar Cell 2018 , 91-111		3
539	Electrochromic Materials and Devices: Fundamentals and Nanostructuring Approaches 2018 , 231-270		0
538	The Applications of Nanocomposite Catalysts in Biofuel Production 2018 , 309-350		2
537	Colloidal Synthesis of Advanced Functional Nanostructured Composites and Alloys via Laser Ablation-Based Techniques 2018 , 135-172		
536	Applications of Nanomaterials in Nuclear Waste Management 2018 , 543-566		3
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473	Enhancing Dielectric Performance of Poly(vinylidene fluoride) Nanocomposites via Controlled Distribution of Carbon Nanotubes and Barium Titanate Nanoparticles. <i>Engineered Science</i> , 2018 ,	3.8	26
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470	Enhanced Electrochemical Performance of Cu ²⁺ doped TiO ₂ Nanoparticles for Lithium-ion Battery. <i>ES Materials & Manufacturing</i> , 2018 ,	3.7	6
469	Sustainable Cross-linked Porous Corn Starch Adsorbents with High Methyl Violet Adsorption. <i>ES Materials & Manufacturing</i> , 2018 ,	3.7	5
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452	Tuning polyaniline nanostructures via end group substitutions and their morphology dependent electrochemical performances. <i>Polymer</i> , 2018 , 156, 128-135	3.9	125
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15	Enhanced Hydrogen Evolution Reaction of Amorphous MoS _x via Carbon Depositing of TiO ₂ Nanotube Arrays. <i>Catalysis Letters</i> ,1	2.8	0
14	Overview of Anion Exchange Membranes Based on Ring Opening Metathesis Polymerization (ROMP). <i>Polymer Reviews</i> ,1-25	14	6
13	In-situ synthesis of uranyl-imprinted nanocage for selective uranium recovery from seawater. <i>Angewandte Chemie</i> ,	3.6	0
12	Overview of electrocatalytic treatment of antibiotic pollutants in wastewater. <i>Catalysis Reviews - Science and Engineering</i> ,1-51	12.6	1
11	Modification of coconut shell activated carbon and purification of volatile organic waste gas acetone. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	2
10	Composite polymer electrolytes: progress, challenges, and future outlook for sodium-ion batteries. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	0
9	Synergistic effect of silver plasmon resonance and p-n heterojunction enhanced photoelectrochemical aptasensing platform for detecting chloramphenicol. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	1
8	Improving thermal conductivity of polyethylene/polypropylene by styrene-ethylene-propylene-styrene wrapping hexagonal boron nitride at the phase interface. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	9

7	Janus phenol-formaldehyde resin and periodic mesoporous organic silica nanoadsorbent for the removal of heavy metal ions and organic dyes from polluted water. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	12
6	Physics-based Computational Method Predicting the Dielectric Properties of Polymer Nanocomposites. <i>Applied Composite Materials</i> ,1	2	
5	Optimization of segmented thermoelectric devices composed of high-temperature thermoelectric material La ₂ Te ₃ . <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	1
4	Mechanically robust and conductive poly(acrylamide) nanocomposite hydrogel by the synergistic effect of vinyl hybrid silica nanoparticle and polypyrrole for human motion sensing. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	2
3	Confining FeNi nanoparticles in biomass-derived carbon for effectively photo-Fenton catalytic reaction for polluted water treatment. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	9
2	Recent advances in radio-frequency negative dielectric metamaterials by designing heterogeneous composites. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	6
1	Anti-Freezing Self-Adhesive Self-Healing Degradable Touch Panel with Ultra-Stretchable Performance Based on Transparent Triboelectric Nanogenerators. <i>Advanced Functional Materials</i> ,2201230	15.6	2