

Soo-Jin Park

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.

1,023
papers

33,065
citations

83
h-index

132
g-index

1,047
ext. papers

37,857
ext. citations

4.7
avg, IF

8.32
L-index

#	Paper	IF	Citations
1023	Improved thermal conductivity and mechanical property of mercapto group-activated boron nitride/elastomer composites for thermal management. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 106869	8.4	7
1022	Recent Progress Using Solid-State Materials for Hydrogen Storage: A Short Review. <i>Processes</i> , 2022 , 10, 304	2.9	4
1021	Hybrid biochar supported transition metal doped MnO ₂ composites: Efficient contenders for lithium adsorption and recovery from aqueous solutions. <i>Desalination</i> , 2022 , 522, 115387	10.3	11
1020	Highly efficient reduction of aqueous Cr(VI) with novel ZnO/SnS nanocomposites through the piezoelectric effect.. <i>Journal of Environmental Sciences</i> , 2022 , 118, 57-66	6.4	2
1019	Eucalyptus (<i>camaldulensis</i>) bark-based composites for efficient Basic Blue 41 dye biosorption from aqueous stream: Kinetics, isothermal, and thermodynamic studies. <i>Surfaces and Interfaces</i> , 2022 , 1018974-1	4.1	3
1018	Self-activated, urea modified microporous carbon cryogels for high-performance CO ₂ capture and separation. <i>Carbon</i> , 2022 , 192, 14-29	10.4	4
1017	Promoted charge separation and specific surface area via interlacing of N-doped titanium dioxide nanotubes on carbon nitride nanosheets for photocatalytic degradation of Rhodamine B. <i>Nanotechnology Reviews</i> , 2022 , 11, 1592-1605	6.3	1
1016	A Study on Pre-Oxidation of Petroleum Pitch-Based Activated Carbons for Electric Double-Layer Capacitors. <i>Molecules</i> , 2022 , 27, 3241	4.8	0
1015	Nitrogen and Sulfur Co-Doped Graphene Quantum Dots Anchored TiO ₂ Nanocomposites for Enhanced Photocatalytic Activity. <i>Catalysts</i> , 2022 , 12, 548	4	0
1014	Chemically modified sugarcane bagasse-based biocomposites for efficient removal of acid red 1 dye: Kinetics, isotherms, thermodynamics, and desorption studies. <i>Chemosphere</i> , 2021 , 132796	8.4	10
1013	A study on interfacial behaviors of epoxy/graphene oxide derived from pitch-based graphite fibers. <i>Nanotechnology Reviews</i> , 2021 , 10, 1827-1837	6.3	2
1012	A review on MXenes: new-generation 2D materials for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 5672-5693	5.8	12
1011	Efficient micropore sizes for carbon dioxide physisorption of pine cone-based carbonaceous materials at different temperatures. <i>Journal of CO₂ Utilization</i> , 2021 , 54, 101770	7.6	2
1010	Effect of graphene oxide/graphitic nanofiber nanohybrids on interfacial properties and fracture toughness of carbon fibers-reinforced epoxy matrix composites. <i>Composites Part B: Engineering</i> , 2021 , 227, 109387	10	8
1009	Chemically modified carbonaceous adsorbents for enhanced CO ₂ capture: A review. <i>Journal of Cleaner Production</i> , 2021 , 290, 125776	10.3	42
1008	A novel synthesis of ditrimethylolpropane biphosphoramidate diethyleneamine as flame retardant and antistatic textiles. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 872-884	2.8	4
1007	Improvement of Mesoporosity on Supercapacitive Performance of Activated Carbons Derived From Coffee Grounds. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 748-755	1.2	1

1006	Roles of London Dispersive and Polar Components of Nano-Metal-Coated Activated Carbons for Improving Carbon Dioxide Uptake. <i>Coatings</i> , 2021 , 11, 691	2.9	2
1005	Effect of Atmospheric-Pressure Plasma Treatments on Fracture Toughness of Carbon Fibers-Reinforced Composites. <i>Molecules</i> , 2021 , 26,	4.8	2
1004	A comparative study on nano-inclusion effect of MoS ₂ nanosheets and MoS ₂ quantum dots on fracture toughness and interfacial properties of epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 146, 106419	8.4	14
1003	Acetic acid-mediated cellulose-based carbons: Influence of activation conditions on textural features and carbon dioxide uptakes. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 745-758	9.3	14
1002	Solvent-free, one-pot synthesis of nitrogen-tailored alkali-activated microporous carbons with an efficient CO ₂ adsorption. <i>Carbon</i> , 2021 , 172, 71-82	10.4	71
1001	Synergistic reinforcing of poly(lactic acid) by poly(butylene adipate-co-terephthalate) and alumina nanoparticles. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50250	2.9	7
1000	Phosphorization-derived MoP@MoO _{3-x} nanowires for selective photocatalytic oxidation of benzyl alcohol to benzaldehyde. <i>Journal of Catalysis</i> , 2021 , 394, 332-341	7.3	11
999	Polyhydroxyalkanoates (PHAs): Biopolymers for Biofuel and Biorefineries. <i>Polymers</i> , 2021 , 13,	4.5	19
998	Nanostructured multifunctional electrocatalysts for efficient energy conversion systems: Recent perspectives. <i>Nanotechnology Reviews</i> , 2021 , 10, 137-157	6.3	10
997	Carboxylated Group Effect of Graphene Oxide on Capacitance Performance of Zr-Based Metal Organic Framework Electrodes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1939-1945	3.2	2
996	Electrical property improvement of phenolic formaldehyde resin with graphene and ionic liquid. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 2332	2.8	6
995	Ultralong and Millimeter-Thick Graphene Oxide Supercapacitors with High Volumetric Capacitance. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8059-8069	6.1	4
994	Oxygen-vacancy-rich spinel CoFe ₂ O ₄ nanocrystals anchored on cage-like carbon for high-performance oxygen electrocatalysis. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 2134-2140	2.8	0
993	Effect of ambient plasma treatment on single-walled carbon nanotubes-based epoxy/fabrics for improving fracture toughness and electromagnetic shielding effectiveness. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 148, 106456	8.4	4
992	Thioacetamide-derived nitrogen and sulfur co-doped carbon quantum dots for green quantum dot solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 105, 111-111	6.3	5
991	A rational design of cellulose-based heteroatom-doped porous carbons: Promising contenders for CO ₂ adsorption and separation. <i>Chemical Engineering Journal</i> , 2021 , 420, 130421	14.7	41
990	Preparation and Catalytic Activity of Platinum Supported on Amine-Functionalized MIL-101 (Fe)/Nitrogen-Doped Carbon Nanotube Composite for Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 4644-4648	1.3	2
989	Role of heteroatoms (nitrogen and sulfur)-dual doped corn-starch based porous carbons for selective CO ₂ adsorption and separation. <i>Journal of CO₂ Utilization</i> , 2021 , 51, 101641	7.6	21

988	An applicable model for the modulus of polymer halloysite nanotubes samples by the characteristics of halloysite nanotubes, interphase zone and filler/interphase network. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127330	5.1	4
987	Polyamide/Chitosan/Tetraethyl Orthosilicate Electrospun Nanofibers for a Novel and Promising Drug Carrier. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 5912-5919	1.3	0
986	Valorization of shrimp shell biowaste for environmental remediation: Efficient contender for CO adsorption and separation. <i>Journal of Environmental Management</i> , 2021 , 299, 113661	7.9	13
985	Role of dry ozonization of basalt fibers on interfacial properties and fracture toughness of epoxy matrix composites. <i>Nanotechnology Reviews</i> , 2021 , 10, 710-718	6.3	3
984	A Study on Electron Acceptor of Carbonaceous Materials for Highly Efficient Hydrogen Uptakes. <i>Catalysts</i> , 2021 , 11, 1524	4	0
983	Recent Advances in MnOx/CeO2-Based Ternary Composites for Selective Catalytic Reduction of NOx by NH3: A Review. <i>Catalysts</i> , 2021 , 11, 1519	4	3
982	A review: recent advances in preparations and applications of heteroatom-doped carbon quantum dots. <i>Dalton Transactions</i> , 2020 , 49, 6915-6938	4.3	64
981	Nanoflower-like NiCo2O4 grown on biomass carbon coated nickel foam for asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155270	5.7	30
980	State of the art two-dimensional materials-based photodetectors: Prospects, challenges and future outlook. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 89, 28-46	6.3	5
979	Electrochemical Behavior Study of Flower-Shaped Bimetal Organic Frameworks with Graphene Oxide for Cathode of Lithium Sulfur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4933-4936	1.3	5
978	Facile preparation of activated carbon with optimal pore range for high butane working capacity. <i>Carbon Letters</i> , 2020 , 30, 297-305	2.3	2
977	Activated Carbon/MnO2 Composites as Electrode for High Performance Supercapacitors. <i>Catalysts</i> , 2020 , 10, 256	4	13
976	Tuning ratios of KOH and NaOH on acetic acid-mediated chitosan-based porous carbons for improving their textural features and CO2 uptakes. <i>Journal of CO2 Utilization</i> , 2020 , 40, 101212	7.6	30
975	MnO-decorated biochar composites of coconut shell and rice husk: An efficient lithium ions adsorption-desorption performance in aqueous media. <i>Chemosphere</i> , 2020 , 260, 127500	8.4	31
974	Acrylic Pressure-Sensitive Adhesive Reinforced with Aluminum Nitride and Its Thermal Properties: Effect of Surface Treatment and Particle Size. <i>Coatings</i> , 2020 , 10, 188	2.9	2
973	Recent advances in preparations and applications of carbon aerogels: A review. <i>Carbon</i> , 2020 , 163, 1-18	10.4	110
972	Simulation of tunneling distance and electrical conductivity for polymer carbon nanotubes nanocomposites by interphase thickness and network density. <i>Polymer Composites</i> , 2020 , 41, 2401-2410 ³		1
971	Effect of Processing Parameters on the Thermal and Electrical Properties of Electroless Nickel-Phosphorus Plated Carbon Fiber Heating Elements. <i>Journal of Carbon Research</i> , 2020 , 6, 6	3.3	1

970	Improved impact strength of poly(lactic acid) by incorporating poly(butylene succinate) and silicon dioxide nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 905-910	2.8	10
969	Effect of nickel ion doping in MnO/reduced graphene oxide nanocomposites for lithium adsorption and recovery from aqueous media.. <i>RSC Advances</i> , 2020 , 10, 9245-9257	3.7	15
968	Amine-terminated chain-grafted nanodiamond/epoxy nanocomposites as interfacial materials: Thermal conductivity and fracture resistance. <i>Composites Part B: Engineering</i> , 2020 , 192, 107983	10	17
967	Hydrothermal Preparation of Ag/TiO ₂ /GO Nanocomposites with Ammonia-Treated Graphene Oxide for Enhanced Conductivity. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 6698-6702	1.3	1
966	Advances in layered double hydroxide-based ternary nanocomposites for photocatalysis of contaminants in water. <i>Nanotechnology Reviews</i> , 2020 , 9, 1381-1396	6.3	6
965	Effect of ozone-treated single-walled carbon nanotubes on interfacial properties and fracture toughness of carbon fiber-reinforced epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 137, 105937	8.4	15
964	Microwave-assisted acid functionalized carbon nanofibers decorated with Mn doped TNTs nanocomposites: Efficient contenders for lithium adsorption and recovery from aqueous media. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 92, 263-277	6.3	9
963	Expansion of effective pore size on hydrogen physisorption of porous carbons at low temperatures with high pressures. <i>Carbon</i> , 2020 , 158, 364-371	10.4	7
962	An overview of TiO ₂ -based photocatalytic membrane reactors for water and wastewater treatments. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 84, 23-41	6.3	69
961	Effects of CNT size, network fraction, and interphase thickness on the tunneling distance between neighboring carbon nanotubes (CNTs) in nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 86, 53-60	6.3	3
960	Preparation and characterization of mesoporous activated carbons from nonporous hard carbon via enhanced steam activation strategy. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122454	4.4	11
959	Influence of carboxymethyl cellulose content on structures and electrochemical behaviors of reduced graphene oxide films. <i>Electrochimica Acta</i> , 2020 , 330, 135219	6.7	6
958	Functionalized titanate nanotubes for efficient lithium adsorption and recovery from aqueous media. <i>Journal of Solid State Chemistry</i> , 2020 , 283, 121157	3.3	23
957	Single-step solid-state synthesis and characterization of Li ₄ Ti ₅ FexO ₁₂ (0 ≤ x ≤ 0.1) as an anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2627-2636	13	15
956	From chitosan to urea-modified carbons: Tailoring the ultra-microporosity for enhanced CO ₂ adsorption. <i>Carbon</i> , 2020 , 159, 625-637	10.4	69
955	Effect of conductivity transportation from carbon nanotubes (CNT) to polymer matrix surrounding CNT on the electrical conductivity of nanocomposites. <i>Polymer Composites</i> , 2020 , 41, 1595-1604	3	2
954	Enhancement of impact strength of poly(lactic acid)/silicon carbide nanocomposites through surface modification with titanate-coupling agents. <i>Bulletin of Materials Science</i> , 2020 , 43, 1	1.7	6
953	Preparation and Capacitance of Ni Metal Organic Framework/Reduced Graphene Oxide Composites for Supercapacitors as Nanoarchitectonics. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2750-2754	1.3	10

952	The Role of CO ₂ as a Mild Oxidant in Oxidation and Dehydrogenation over Catalysts: A Review. <i>Catalysts</i> , 2020 , 10, 1075	4	7
951	Effective Reinforcement of Melamine-functionalized WS ₂ Nanosheets in Epoxy Nanocomposites at Low Loading via Enhanced Interfacial Interaction. <i>Macromolecular Research</i> , 2020 , 28, 1116-1126	1.9	19
950	Sustainable N-doped hierarchical porous carbons as efficient CO ₂ adsorbents and high-performance supercapacitor electrodes. <i>Journal of CO₂ Utilization</i> , 2020 , 42, 101326	7.6	44
949	Effect of Graphene Oxide on Interfacial Interactions and Fracture Toughness of Basalt Fiber-Reinforced Epoxy Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 6760-6767	1.3	4
948	Phosphorus-doped g-C ₃ N ₄ /SnS nanocomposite for efficient photocatalytic reduction of aqueous Cr(VI) under visible light. <i>Applied Surface Science</i> , 2020 , 531, 147325	6.7	23
947	Fracture toughness enhancement of epoxy resin reinforced with graphene nanoplatelets and carbon nanotubes. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 2075-2083	2.8	13
946	Potassium Oxalate as an Alternative Activating Reagent of Corn Starch-Derived Porous Carbons for Methane Storage. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 7124-7129	1.3	4
945	Development of Chow Model for Tensile Modulus of Polymer Nanocomposites Assuming the Interphase Region and Particle Arrangement. <i>Physical Mesomechanics</i> , 2020 , 23, 263-270	1.6	0
944	A Role of Activators for Efficient CO Affinity on Polyacrylonitrile-Based Porous Carbon Materials. <i>Frontiers in Chemistry</i> , 2020 , 8, 710	5	11
943	Synthesis and application of thermal latent initiators of epoxy resins: A review. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49592	2.9	16
942	Energy-Efficient Tunneling Field-Effect Transistors for Low-Power Device Applications: Challenges and Opportunities. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47127-47163	9.5	19
941	A model for the tensile modulus of polymer nanocomposites assuming carbon nanotube networks and interphase zones. <i>Acta Mechanica</i> , 2020 , 231, 35-45	2.1	0
940	Hydrothermal synthesis of Ag ₂ CO ₃ -TiO ₂ loaded reduced graphene oxide nanocomposites with highly efficient photocatalytic activity. <i>Chemical Engineering Communications</i> , 2020 , 207, 688-695	2.2	10
939	Synthesis of polyethylenimine-impregnated titanate nanotubes for CO ₂ capture: Influence of porosity and nitrogen content on amine-modified adsorbents. <i>Journal of CO₂ Utilization</i> , 2019 , 34, 472-478	7.6	9
938	Environmental remediation by microporous carbon: An efficient contender for CO ₂ and methylene blue adsorption. <i>Journal of CO₂ Utilization</i> , 2019 , 34, 656-667	7.6	32
937	Fabrication of MoO Nanowire-based Membrane Devices for the Selective Adsorption of Cationic Dyes from Aqueous Solutions with High Performance and Reusability. <i>Micromachines</i> , 2019 , 10,	3.3	6
936	Recent Advances in TiO ₂ Films Prepared by Sol-gel Methods for Photocatalytic Degradation of Organic Pollutants and Antibacterial Activities. <i>Coatings</i> , 2019 , 9, 613	2.9	48
935	Graphitic Carbon Nitride Materials for Photocatalytic Hydrogen Production via Water Splitting: A Short Review. <i>Catalysts</i> , 2019 , 9, 805	4	26

934	A study on pore development mechanism of activated carbons from polymeric precursor: Effects of carbonization temperature and nano crystallite formation. <i>Chemical Engineering Journal</i> , 2019 , 377, 1208-1216	14.7	4
933	Recent Advances in Organic Thermoelectric Materials: Principle Mechanisms and Emerging Carbon-Based Green Energy Materials. <i>Polymers</i> , 2019 , 11,	4.5	51
932	Preparation and characterization of mesophase formation of pyrolysis fuel oil-derived binder pitches for carbon composites. <i>Composites Part B: Engineering</i> , 2019 , 165, 467-472	10	9
931	Effect of Triblock Copolymer on Carbon-Based Boron Nitride Whiskers for Efficient CO Adsorption. <i>Polymers</i> , 2019 , 11,	4.5	11
930	Effect of graphene oxide/carbon nanotube ratio on electrochemical behaviors of spongy bone-like reduced graphene oxide/carbon nanotube foam prepared by simple and green approach. <i>Chemical Engineering Journal</i> , 2019 , 373, 1020-1029	14.7	22
929	Flexible Organic Thermoelectric Materials and Devices for Wearable Green Energy Harvesting. <i>Polymers</i> , 2019 , 11,	4.5	36
928	Effect of electroless nickel plating on electromagnetic interference shielding effectiveness of pitch-based carbon papers/epoxy composites. <i>Functional Composites and Structures</i> , 2019 , 1, 035001	3.5	3
927	A developed equation for electrical conductivity of polymer carbon nanotubes (CNT) nanocomposites based on Halpin-Tsai model. <i>Results in Physics</i> , 2019 , 14, 102406	3.7	55
926	Thermal and Mechanical Interfacial Behaviors of Graphene Oxide-Reinforced Epoxy Composites Cured by Thermal Latent Catalyst. <i>Materials</i> , 2019 , 12,	3.5	19
925	Carbon-Filled Organic Phase-Change Materials for Thermal Energy Storage: A Review. <i>Molecules</i> , 2019 , 24,	4.8	27
924	Recent Trends of Foaming in Polymer Processing: A Review. <i>Polymers</i> , 2019 , 11,	4.5	81
923	Recent Advances in Carbonaceous Photocatalysts with Enhanced Photocatalytic Performances: A Mini Review. <i>Materials</i> , 2019 , 12,	3.5	57
922	Effect of silver-plated expanded graphite addition on thermal and electrical conductivities of epoxy composites in the presence of graphite and copper. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 123, 253-259	8.4	20
921	Preparation and Characterization of Mesoporous TiO ₂ Sphere/g-C ₃ N ₄ Nanosheets for Photocatalytic Behaviors. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 6247-6255	1.3	5
920	Preparation and characterization of graphite/thermosetting composites. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	7
919	Recent progresses of fabrication and characterization of fibers-reinforced composites: A review. <i>Composites Communications</i> , 2019 , 14, 34-42	6.7	70
918	TiO NPs Assembled into a Carbon Nanofiber Composite Electrode by a One-Step Electrospinning Process for Supercapacitor Applications. <i>Polymers</i> , 2019 , 11,	4.5	51
917	Functionalized Carbon Materials for Electronic Devices: A Review. <i>Micromachines</i> , 2019 , 10,	3.3	42

916	Mesopore-Rich Activated Carbons for Electrical Double-Layer Capacitors by Optimal Activation Condition. <i>Nanomaterials</i> , 2019 , 9,	5.4	9
915	Synthesis and electrochemical characterization of nanostructured Ni-Co-MOF/graphene oxide composites as capacitor electrodes. <i>Electrochimica Acta</i> , 2019 , 311, 62-71	6.7	69
914	Kinetic models of swelling and thermal stability of silver/poly(vinyl alcohol)/chitosan/graphene hydrogels. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 77, 83-96	6.3	19
913	Chemically modified activated carbon decorated with MnO ₂ nanocomposites for improving lithium adsorption and recovery from aqueous media. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 425-434	5.7	33
912	The formation mechanism of LiTiO solid solutions prepared by carbothermal reduction and the effect of Ti on electrochemical performance. <i>Scientific Reports</i> , 2019 , 9, 4774	4.9	8
911	Preparation of Cu nanoparticles by a pulsed wire evaporation process for conductive ink applications. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	4
910	Implication of thermally conductive nanodiamond-interspersed graphite nanoplatelet hybrids in thermoset composites with superior thermal management capability. <i>Scientific Reports</i> , 2019 , 9, 2893	4.9	14
909	Influence of heat treatment temperature on structure and exothermic properties of electroless Ni P plating carbon fiber heating elements. <i>Composites Part B: Engineering</i> , 2019 , 167, 676-682	10	8
908	Stabilization of dispersed CuPd bimetallic alloy nanoparticles on ZIF-8 for photoreduction of Cr(VI) in aqueous solution. <i>Chemical Engineering Journal</i> , 2019 , 369, 353-362	14.7	102
907	Conventional and Microwave Hydrothermal Synthesis and Application of Functional Materials: A Review. <i>Materials</i> , 2019 , 12,	3.5	117
906	MoS ₂ /CdS/TiO ₂ ternary composite incorporated into carbon nanofibers for the removal of organic pollutants from water. <i>Inorganic Chemistry Communication</i> , 2019 , 102, 113-119	3.1	18
905	Imidazolium-optimized conductive interfaces in multilayer graphene nanoplatelet/epoxy composites for thermal management applications and electroactive devices. <i>Polymer</i> , 2019 , 168, 53-60	3.9	48
904	Effect of polydopamine-modified reduced graphene oxides on the catalytic activity of Pt nanoparticles catalysts for fuel cell electrodes. <i>Carbon Letters</i> , 2019 , 29, 47-55	2.3	7
903	Current Progress on the Surface Chemical Modification of Carbonaceous Materials. <i>Coatings</i> , 2019 , 9, 103	2.9	37
902	Synthesis of PAN/PVDF nanofiber composites-based carbon adsorbents for CO ₂ capture. <i>Composites Part B: Engineering</i> , 2019 , 156, 95-99	10	35
901	Simple model for hydrolytic degradation of poly(lactic acid)/poly(ethylene oxide)/carbon nanotubes nanobiosensor in neutral phosphate-buffered saline solution. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2706-2717	5.4	19
900	Facile design of a domestic thermoelectric generator by tailoring the thermoelectric performance of volume-controlled expanded graphite/PVDF composites. <i>Composites Part B: Engineering</i> , 2019 , 176, 107234	10	10
899	Modeling the roles of carbon nanotubes and interphase dimensions in the conductivity of nanocomposites. <i>Results in Physics</i> , 2019 , 15, 102562	3.7	57

898	Activated Carbons from Thermoplastic Precursors and Their Energy Storage Applications. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
897	In vitro antiproliferative study of curcumin loaded nano zeolitic imidazolate framework hybrid biomaterials on HeLa cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 79, 288-294	6.3	1
896	One-Step Synthesis of Silver Nanoparticles Embedded Polyurethane Nano-Fiber/Net Structured Membrane as an Effective Antibacterial Medium. <i>Polymers</i> , 2019 , 11,	4.5	37
895	Effect of Morphology of Calcium Carbonate on Toughness Behavior and Thermal Stability of Epoxy-Based Composites. <i>Processes</i> , 2019 , 7, 178	2.9	18
894	Synthesis and application of a polymeric intumescent flame retardant for cotton fabric. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	5
893	Deformation of Single Crystals, Polycrystalline Materials, and Thin Films: A Review. <i>Materials</i> , 2019 , 12,	3.5	30
892	Drug Delivery Applications of Core-Sheath Nanofibers Prepared by Coaxial Electrospinning: A Review. <i>Pharmaceutics</i> , 2019 , 11,	6.4	141
891	Pitch-Derived Activated Carbon Fibers for Emission Control of Low-Concentration Hydrocarbon. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
890	Three-dimensionally assembled manganese oxide ultrathin nanowires: Prospective electrode material for asymmetric supercapacitors. <i>Energy</i> , 2019 , 188, 116066	7.9	26
889	Stabilizing CuPd bimetallic alloy nanoparticles deposited on holey carbon nitride for selective hydroxylation of benzene to phenol. <i>Journal of Catalysis</i> , 2019 , 379, 154-163	7.3	40
888	Effect of Surface Modification on Thermal Stability, Flexural Properties, and Impact Strength of Epoxy/Graphene Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2019 , 40, 991-996	1.2	10
887	Effects of ozonized carbon black on fracture and post-cracking toughness of carbon fiber-reinforced epoxy composites. <i>Composites Part B: Engineering</i> , 2019 , 177, 107379	10	22
886	Advanced Design and Synthesis of Composite Photocatalysts for the Remediation of Wastewater: A Review. <i>Catalysts</i> , 2019 , 9, 122	4	125
885	Determination of the optimum porosity for 2-CEES adsorption by activated carbon fiber from various precursors. <i>Carbon Letters</i> , 2019 , 29, 649-654	2.3	7
884	Author Response to Comment on: Conventional and Microwave Hydrothermal Synthesis and Application of Functional Materials: A Review. <i>Materials</i> , 2019 , 12,	3.5	22
883	Facile construction of MoO ₃ @ZIF-8 core-shell nanorods for efficient photoreduction of aqueous Cr (VI). <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 92-101	21.8	181
882	Flexural Properties and Electrical Conductivity of Epoxy Resin/Carbon Fiber Cloth/Metallic Powder Composites. <i>Macromolecular Research</i> , 2019 , 27, 10-13	1.9	5
881	Defining contribution of micropore size to hydrogen physisorption behaviors: A new approach based on DFT pore volumes. <i>Carbon</i> , 2019 , 143, 288-293	10.4	20

880	Tunable nitrogen-doped microporous carbons: Delineating the role of optimum pore size for enhanced CO ₂ adsorption. <i>Chemical Engineering Journal</i> , 2019 , 362, 731-742	14.7	65
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