# Soo-Jin Park

List of Publications by Year
in descending order

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| 1,038 papers | 42,932 citations | 2797 94 h-index | 7511 151 g-index |
| 1056 all docs | 1056 docs citations | 1056 times ranked | 35960 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis and application of epoxy resins: A review. Journal of Industrial and Engineering Chemistry, 2015, 29, 1-11. | 2.9 | 1,294 |
| 2 | A review on carbon nanotubes and graphene as fillers in reinforced polymer nanocomposites. Journal of Industrial and Engineering Chemistry, 2015, 21, 11-25. | 2.9 | 1,143 |
| 3 | TiO2 photocatalyst for water treatment applications. Journal of Industrial and Engineering Chemistry, 2013, 19, 1761-1769. | 2.9 | 743 |
| 4 | A short review on basalt fiber reinforced polymer composites. Composites Part B: Engineering, 2015, 73, 166-180. | 5.9 | 680 |
| 5 | Epoxy clay nanocomposites â€“ processing, properties and applications: A review. Composites Part B: Engineering, 2013, 45, 308-320. | 5.9 | 548 |
| 6 | A review on solid adsorbents for carbon dioxide capture. Journal of Industrial and Engineering Chemistry, 2015, 23, 1-11. | 2.9 | 540 |
| 7 | Recent advances in carbon-fiber-reinforced thermoplastic composites: A review. Composites Part B: Engineering, 2018, 142, 241-250. | 5.9 | 517 |
| 8 | Effect of modification with HNO3 and NaOH on metal adsorption by pitch-based activated carbon fibers. Carbon, 2001, 39, 1635-1642. | 5.4 | 459 |
| 9 | Fiber mats of poly(vinyl alcohol)/silica composite via electrospinning. Materials Letters, 2003, 57, 1579-1584. | 1.3 | 402 |
| 10 | Electrical resistivity and rheological behaviors of carbon nanotubes-filled polypropylene composites. Chemical Physics Letters, 2004, 395, 44-48. | 1.2 | 302 |
| 11 | Preparation and characterization of a nanoscale poly(vinyl alcohol) fiber aggregate produced by an electrospinning method. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1261-1268. | 2.4 | 298 |
| 12 | Conventional and Microwave Hydrothermal Synthesis and Application of Functional Materials: A Review. Materials, 2019, 12, 1177. | 1.3 | 285 |
| 13 | Drug Delivery Applications of Core-Sheath Nanofibers Prepared by Coaxial Electrospinning: A Review. Pharmaceutics, 2019, 11, 305. | 2.0 | 259 |
| 14 | Facile construction of MoO3@ZIF-8 core-shell nanorods for efficient photoreduction of aqueous Cr (VI). Applied Catalysis B: Environmental, 2019, 240, 92-101. | 10.8 | 256 |
| 15 | Recent advanced thermal interfacial materials: A review of conducting mechanisms and parameters of carbon materials. Carbon, 2019, 142, 445-460. | 5.4 | 246 |
| 16 | Recent advances in preparations and applications of carbon aerogels: A review. Carbon, 2020, 163, 1-18. | 5.4 | 246 |
| 17 | Thermal and mechanical properties of tetrafunctional epoxy resin toughened with epoxidized soybean oil. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 109-114. | 2.6 | 217 |
| 18 | Crystallization kinetics and interfacial behaviors of polypropylene composites reinforced with multi-walled carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 404, 79-84. | 2.6 | 211 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Incorporation of RuO2 into charcoal-derived carbon with controllable microporosity by CO2 activation for high-performance supercapacitor. Carbon, 2017, 122, 287-297. | 5.4 | 204 |
| 20 | Determination of the optimal pore size for improved CO2 adsorption in activated carbon fibers. Journal of Colloid and Interface Science, 2013, 389, 230-235. | 5.0 | 196 |
| 21 | Synthesis and Thermal Properties of Epoxidized Vegetable Oil. Macromolecular Rapid Communications, 2004, 25, 724-727. | 2.0 | 189 |
| 22 | A critical review of nanodiamond based nanocomposites: Synthesis, properties and applications. Composites Part B: Engineering, 2018, 143, 19-27. | 5.9 | 185 |
| 23 | Advanced Design and Synthesis of Composite Photocatalysts for the Remediation of Wastewater: A Review. Catalysts, 2019, 9, 122. | 1.6 | 185 |
| 24 | One-step synthesis of robust nitrogen-doped carbon dots: acid-evoked fluorescence enhancement and their application in Fe<sup>3+</sup> detection. Journal of Materials Chemistry A, 2015, 3, 17747-17754. | 5.2 | 181 |
| 25 | Recent Trends of Foaming in Polymer Processing: A Review. Polymers, 2019, 11, 953. | 2.0 | 180 |
| 26 | Preparation and characterization of activated carbon fibers supported with silver metal for antibacterial behavior. Journal of Colloid and Interface Science, 2003, 261, 238-243. | 5.0 | 178 |
| 27 | Pore Structure and Surface Properties of Chemically Modified Activated Carbons for Adsorption Mechanism and Rate of Cr(VI). Journal of Colloid and Interface Science, 2002, 249, 458-463. | 5.0 | 177 |
| 28 | Evaluation of specific interactions of solid surfaces by inverse gas chromatography. Chromatographia, 1991, 31, 434-440. | 0.7 | 173 |
| 29 | Effect of Chemical Treatment of Kevlar Fibers on Mechanical Interfacial Properties of Composites. Journal of Colloid and Interface Science, 2002, 252, 249-255. | 5.0 | 170 |
| 30 | Bioactive hydroxyapatite/graphene composite coating and its corrosion stability in simulated body fluid. Journal of Alloys and Compounds, 2015, 624, 148-157. | 2.8 | 167 |
| 31 | Fillerâ€“elastomer interactions: influence of silane coupling agent on crosslink density and thermal stability of silica/rubber composites. Journal of Colloid and Interface Science, 2003, 267, 86-91. | 5.0 | 166 |
| 32 | Roles of acidic functional groups of carbon fiber surfaces in enhancing interfacial adhesion behavior. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 408, 269-273. | 2.6 | 165 |
| 33 | Thermal conductivity and thermo-physical properties of nanodiamond-attached exfoliated hexagonal boron nitride/epoxy nanocomposites for microelectronics. Composites Part A: Applied Science and Manufacturing, 2017, 101, 227-236. | 3.8 | 165 |
| 34 | Auâ€“pd bimetallic alloy nanoparticle-decorated BiPO 4 nanorods for enhanced photocatalytic oxidation of trichloroethylene. Journal of Catalysis, 2017, 355, 1-10. | 3.1 | 164 |
| 35 | Improvement of thermal behaviors of biodegradable poly(lactic acid) polymer: A review. Composites Part B: Engineering, 2019, 164, 287-296. | 5.9 | 163 |
| 36 | Effect of Silane Coupling Agent on Interphase and Performance of Glass Fibers/Unsaturated Polyester Composites. Journal of Colloid and Interface Science, 2001, 242, 174-179. | 5.0 | 161 |

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| 37 | Eco-friendly synthesis, characterization and properties of a sodium carboxymethyl cellulose/graphene oxide nanocomposite film. Cellulose, 2013, 20, 687-698. | 2.4 | 158 |
| 38 | Synthesis and characterization of graphene oxide/carboxymethylcellulose/alginate composite blend films. Carbohydrate Polymers, 2014, 110, 18-25. | 5.1 | 158 |
| 39 | A Review of Conductive Metal Nanomaterials as Conductive, Transparent, and Flexible Coatings, Thin Films, and Conductive Fillers: Different Deposition Methods and Applications. Coatings, 2018, 8, 278. | 1.2 | 158 |
| 40 | Nanodiamond nanocluster-decorated graphene oxide/epoxy nanocomposites with enhanced mechanical behavior and thermal stability. Composites Part B: Engineering, 2017, 114, 111-120. | 5.9 | 157 |
| 41 | Morphology and crystalline phase study of electrospun TiO2ÂSiO2nanofibres. Nanotechnology, 2003, 14, 532-537. | 1.3 | 155 |
| 42 | Chitosan nanocomposite films: Enhanced electrical conductivity, thermal stability, and mechanical properties. Carbohydrate Polymers, 2013, 92, 1783-1791. | 5.1 | 152 |
| 43 | Effect of Biodegradable Epoxidized Castor Oil on Physicochemical and Mechanical Properties of Epoxy Resins. Macromolecular Chemistry and Physics, 2004, 205, 2048-2054. | 1.1 | 147 |
| 44 | Preparation and physical properties of hollow glass microspheres-reinforced epoxy matrix resins. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 402, 335-340. | 2.6 | 147 |
| 45 | The study of controlling pore size on electrospun carbon nanofibers for hydrogen adsorption. Journal of Colloid and Interface Science, 2008, 318, 42-49. | 5.0 | 147 |
| 46 | Recent progresses of fabrication and characterization of fibers-reinforced composites: A review. Composites Communications, 2019, 14, 34-42. | 3.3 | 147 |
| 47 | Stabilization of dispersed CuPd bimetallic alloy nanoparticles on ZIF-8 for photoreduction of Cr(VI) in aqueous solution. Chemical Engineering Journal, 2019, 369, 353-362. | 6.6 | 144 |
| 48 | A review: recent advances in preparations and applications of heteroatom-doped carbon quantum dots. Dalton Transactions, 2020, 49, 6915-6938. | 1.6 | 142 |
| 49 | An overview of TiO2-based photocatalytic membrane reactors for water and wastewater treatments. Journal of Industrial and Engineering Chemistry, 2020, 84, 23-41. | 2.9 | 141 |
| 50 | Solvent-free, one-pot synthesis of nitrogen-tailored alkali-activated microporous carbons with an efficient CO2 adsorption. Carbon, 2021, 172, 71-82. | 5.4 | 137 |
| 51 | Preparation and Characterization of Microcapsules Containing Lemon Oil. Journal of Colloid and Interface Science, 2001, 241, 502-508. | 5.0 | 136 |
| 52 | Electrospun ZnO hybrid nanofibers for photodegradation of wastewater containing organic dyes: A review. Journal of Industrial and Engineering Chemistry, 2015, 21, 26-35. | 2.9 | 136 |
| 53 | Effect of carbon blacks filler addition on electrochemical behaviors of Co3O4/graphene nanosheets as a supercapacitor electrodes. Electrochimica Acta, 2013, 89, 516-522. | 2.6 | 135 |
| 54 | Bimetallic AuPd alloy nanoparticles deposited on MoO3 nanowires for enhanced visible-light driven trichloroethylene degradation. Journal of Catalysis, 2018, 361, 238-247. | 3.1 | 135 |

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| 55 | Thermal properties of epoxy resin/filler hybrid composites. Polymer Degradation and Stability, 2012, 97, 2148-2153. | 2.7 | 134 |
| 56 | Enhancing the heat and load transfer efficiency by optimizing the interface of hexagonal boron nitride/elastomer nanocomposites for thermal management applications. Polymer, 2018, 143, 1-9. | 1.8 | 132 |
| 57 | Synthesis of activated carbon nanotube/copper oxide composites and their electrochemical performance. Journal of Alloys and Compounds, 2012, 530, 6-10. | 2.8 | 130 |
| 58 | Mechanical properties of Fe3O4/GO/chitosan composites. Composites Part B: Engineering, 2014, 66, 89-96. | 5.9 | 129 |
| 59 | From chitosan to urea-modified carbons: Tailoring the ultra-microporosity for enhanced CO2 adsorption. Carbon, 2020, 159, 625-637. | 5.4 | 127 |
| 60 | Synthesis and electrochemical characterization of nanostructured Ni-Co-MOF/graphene oxide composites as capacitor electrodes. Electrochimica Acta, 2019, 311, 62-71. | 2.6 | 126 |
| 61 | Chemically modified carbonaceous adsorbents for enhanced CO2 capture: A review. Journal of Cleaner Production, 2021, 290, 125776. | 4.6 | 125 |
| 62 | Impact-strength improvement of epoxy resins reinforced with a biodegradable polymer. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 478, 402-405. | 2.6 | 124 |
| 63 | Effect of heat treatment on CO2 adsorption of KOH-activated graphite nanofibers. Journal of Colloid and Interface Science, 2010, 352, 498-503. | 5.0 | 123 |
| 64 | Cobalt nanofibers encapsulated in a graphite shell by an electrospinning process. Journal of Materials Chemistry, 2009, 19, 7371. | 6.7 | 120 |
| 65 | Facile preparation and characterization of poly(vinyl alcohol)/chitosan/graphene oxide biocomposite nanofibers. Journal of Industrial and Engineering Chemistry, 2014, 20, 4415-4420. | 2.9 | 119 |
| 66 | Thermal stabilities and dynamic mechanical properties of sulfone-containing epoxy resin cured with anhydride. Polymer Degradation and Stability, 2004, 86, 515-520. | 2.7 | 118 |
| 67 | Synthesis and characterization of reduced graphene oxide decorated with CeO2-doped MnO2 nanorods for supercapacitor applications. Journal of Colloid and Interface Science, 2017, 494, 338-344. | 5.0 | 118 |
| 68 | Surface Modification of Montmorillonite on Surface Acidâ€“Base Characteristics of Clay and Thermal Stability of Epoxy/Clay Nanocomposites. Journal of Colloid and Interface Science, 2002, 251, 160-165. | 5.0 | 116 |
| 69 | Titanium dioxide nanofibers prepared by using electrospinning method. Fibers and Polymers, 2004, 5, 105-109. | 1.1 | 115 |
| 70 | Effects of silane-modified carbon nanotubes on flexural and fracture behaviors of carbon nanotube-modified epoxy/basalt composites. Composites Part B: Engineering, 2012, 43, 2298-2302. | 5.9 | 114 |
| 71 | MnO2 and biomass-derived 3D porous carbon composites electrodes for high performance supercapacitor applications. Journal of Alloys and Compounds, 2018, 741, 360-367. | 2.8 | 111 |
| 72 | Title is missing!. Journal of Materials Science, 2000, 35, 1901-1905. | 1.7 | 109 |

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| 73 | Studies on pore structures and surface functional groups of pitch-based activated carbon fibers. Journal of Colloid and Interface Science, 2003, 260, 259-264. | 5.0 | 108 |
| 74 | Graphene-based antibacterial composite coatings electrodeposited on titanium for biomedical applications. Progress in Organic Coatings, 2015, 83, 1-10. | 1.9 | 108 |
| 75 | Thermal property and latent heat energy storage behavior of sodium acetate trihydrate composites containing expanded graphite and carboxymethyl cellulose for phase change materials. Applied Thermal Engineering, 2015, 75, 978-983. | 3.0 | 108 |
| 76 | Formation of hollow MoO<sub>3</sub>/SnS<sub>2</sub> heterostructured nanotubes for efficient light-driven hydrogen peroxide production. Journal of Materials Chemistry A, 2018, 6, 20304-20312. | 5.2 | 106 |
| 77 | Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications. Chemical Engineering Journal, 2010, 156, 487-495. | 6.6 | 105 |
| 78 | Thermal characterization of erythritol/expanded graphite composites for high thermal storage capacity. Carbon, 2014, 68, 67-72. | 5.4 | 105 |
| 79 | Ultrahigh electromagnetic interference shielding performance of lightweight, flexible, and highly conductive copper-clad carbon fiber nonwoven fabrics. Journal of Materials Chemistry C, 2017, 5, 7853-7861. | 2.7 | 105 |
| 80 | Thermomechanical behavior of epoxy resins modified with epoxidized vegetable oils. Polymer International, 2008, 57, 577-583. | 1.6 | 104 |
| 81 | A study on the hydrogen storage capacity of Ni-plated porous carbon nanofibers. International Journal of Hydrogen Energy, 2008, 33, 4112-4115. | 3.8 | 103 |
| 82 | General one-pot strategy to prepare Agâ€“TiO2 decorated reduced graphene oxide nanocomposites for chemical and biological disinfectant. Journal of Alloys and Compounds, 2016, 671, 51-59. | 2.8 | 103 |
| 83 | Roles of nanosized Fe3O4 on supercapacitive properties of carbon nanotubes. Current Applied Physics, 2011, 11, 462-466. | 1.1 | 102 |
| 84 | Effect of KOH Activation on the Formation of Oxygen Structure in Activated Carbons Synthesized from Polymeric Precursor. Journal of Colloid and Interface Science, 2002, 250, 93-98. | 5.0 | 101 |
| 85 | Thermal stability and toughening of epoxy resin with polysulfone resin. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 121-128. | 2.4 | 100 |
| 86 | Thermo-mechanical behaviors of epoxy resins reinforced with nano-Al2O3 particles. Journal of Industrial and Engineering Chemistry, 2012, 18, 594-596. | 2.9 | 100 |
| 87 | In-situ synthesis of nanofibers with various ratios of BiOClx/BiOBry/BiOIz for effective trichloroethylene photocatalytic degradation. Applied Surface Science, 2016, 384, 192-199. | 3.1 | 100 |
| 88 | Interlayer polymerization in amine-terminated macromolecular chain-grafted expanded graphite for fabricating highly thermal conductive and physically strong thermoset composites for thermal management applications. Composites Part A: Applied Science and Manufacturing, 2018, 109, 498-506. | 3.8 | 100 |
| 89 | Tunable nitrogen-doped microporous carbons: Delineating the role of optimum pore size for enhanced CO2 adsorption. Chemical Engineering Journal, 2019, 362, 731-742. | 6.6 | 100 |
| 90 | Thermal properties and toughness performance of hyperbranched-polyimide-modified epoxy resins. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 3348-3356. | 2.4 | 99 |

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| 91 | Recent Advances in TiO2 Films Prepared by Sol-gel Methods for Photocatalytic Degradation of Organic Pollutants and Antibacterial Activities. Coatings, 2019, 9, 613. | 1.2 | 99 |
| 92 | A rational design of cellulose-based heteroatom-doped porous carbons: Promising contenders for CO2 adsorption and separation. Chemical Engineering Journal, 2021, 420, 130421. | 6.6 | 99 |
| 93 | Adsorption Behaviors of CO2and NH3on Chemically Surface-Treated Activated Carbons. Journal of Colloid and Interface Science, 1999, 212, 186-189. | 5.0 | 98 |
| 94 | Thermal and mechanical interfacial properties of epoxy composites based on functionalized carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 8517-8522. | 2.6 | 98 |
| 95 | Electromagnetic interference shielding effectiveness of nickel-plated MWCNTs/high-density polyethylene composites. Composites Part B: Engineering, 2016, 98, 120-125. | 5.9 | 98 |
| 96 | HCl removal using activated carbon fibers electroplated with silver. Carbon, 2004, 42, 2113-2115. | 5.4 | 96 |
| 97 | Study of new fluorine-containing epoxy resin for low dielectric constant. Surface and Coatings Technology, 2004, 180-181, 650-654. | 2.2 | 95 |
| 98 | Effect of ozone treatment on ammonia removal of activated carbons. Journal of Colloid and Interface Science, 2005, 286, 417-419. | 5.0 | 95 |
| 99 | Effect of clay surface modification and concentration on the tensile performance of clay/epoxy nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 448, 264-268. | 2.6 | 95 |
| 100 | Influence of multi-walled carbon nanotubes on the electrochemical performance of graphene nanocomposites for supercapacitor electrodes. Electrochimica Acta, 2011, 56, 1629-1635. | 2.6 | 93 |
| 101 | Recent Advances in Carbonaceous Photocatalysts with Enhanced Photocatalytic Performances: A Mini Review. Materials, 2019, 12, 1916. | 1.3 | 93 |
| 102 | Fillerâ€“elastomer interactions: influence of oxygen plasma treatment on surface and mechanical properties of carbon black/rubber composites. Carbon, 2003, 41, 1437-1442. | 5.4 | 92 |
| 103 | Silane modification of carbon nanotubes and its effects on the material properties of carbon/CNT/epoxy three-phase composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 478-483. | 3.8 | 92 |
| 104 | Cure behaviors and mechanical properties of carbon fiber-reinforced nylon6/epoxy blended matrix composites. Composites Part B: Engineering, 2017, 112, 15-21. | 5.9 | 92 |
| 105 | Carbon nanofibers wrapped with zinc oxide nano-flakes as promising electrode material for supercapacitors. Journal of Colloid and Interface Science, 2018, 522, 40-47. | 5.0 | 92 |
| 106 | Thermal Stability of Imidized Epoxy Blends Initiated byN-Benzylpyrazinium Hexafluoroantimonate Salt. Macromolecules, 2001, 34, 7573-7575. | 2.2 | 91 |
| 107 | Influence of activation temperature on adsorption characteristics of activated carbon fiber composites. Carbon, 2001, 39, 1741-1746. | 5.4 | 91 |
| 108 | Copper oxide-decorated porous carbons for carbon dioxide adsorption behaviors. Journal of Colloid and Interface Science, 2010, 342, 575-578. | 5.0 | 90 |

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| 109 | Preparation and characteristics of electrospun activated carbon materials having meso- and macropores. Journal of Colloid and Interface Science, 2007, 314, 32-37. | 5.0 | 89 |
| 110 | Study on an oxygen plasma treatment of a basalt fiber and its effect on the interlaminar fracture property of basalt/epoxy woven composites. Composites Part B: Engineering, 2011, 42, 499-504. | 5.9 | 88 |
| 111 | Comparative study of activation methods to design nitrogen-doped ultra-microporous carbons as efficient contenders for CO2 capture. Chemical Engineering Journal, 2018, 352, 539-548. | 6.6 | 88 |
| 112 | Effect of Fiberâ€“Polymer Interactions on Fracture Toughness Behavior of Carbon Fiber-Reinforced Epoxy Matrix Composites. Journal of Colloid and Interface Science, 2000, 228, 287-291. | 5.0 | 87 |
| 113 | Surface characteristics of fluorine-modified PAN-based carbon fibers. Carbon, 2003, 41, 723-730. | 5.4 | 87 |
| 114 | Ag-ZnO photocatalyst anchored on carbon nanofibers: Synthesis, characterization, and photocatalytic activities. Synthetic Metals, 2016, 220, 533-537. | 2.1 | 87 |
| 115 | Interfacial Characteristics and Fracture Toughness of Electrolytically Ni-Plated Carbon Fiber-Reinforced Phenolic Resin Matrix Composites. Journal of Colloid and Interface Science, 2001, 237, 91-97. | 5.0 | 86 |
| 116 | Superhydrophobic carbon-based materials: a review of synthesis, structure, and applications. Carbon Letters, 2014, 15, 89-104. | 3.3 | 86 |
| 117 | Impaired RV Global Longitudinal Strain IsÂAssociated With Poor Long-Term Clinical Outcomes in Patients With Acute Inferior STEMI. JACC: Cardiovascular Imaging, 2015, 8, 161-169. | 2.3 | 85 |
| 118 | Current Progress on the Surface Chemical Modification of Carbonaceous Materials. Coatings, 2019, 9, 103. | 1.2 | 85 |
| 119 | The tensile and thermal properties of modified CNT-reinforced basalt/epoxy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 6838-6843. | 2.6 | 84 |
| 120 | High performance organic-inorganic hybrid barrier coating for encapsulation of OLEDs. Journal of Materials Chemistry, 2011, 21, 1977-1983. | 6.7 | 84 |
| 121 | Influence of surface energetics of graphene oxide on fracture toughness of epoxy nanocomposites. Composites Part B: Engineering, 2017, 114, 175-183. | 5.9 | 84 |
| 122 | Sustainable N-doped hierarchical porous carbons as efficient CO2 adsorbents and high-performance supercapacitor electrodes. Journal of CO2 Utilization, 2020, 42, 101326. | 3.3 | 84 |
| 123 | Roles of Work of Adhesion between Carbon Blacks and Thermoplastic Polymers on Electrical Properties of Composites. Journal of Colloid and Interface Science, 2002, 255, 145-149. | 5.0 | 83 |
| 124 | Influence of oxygen plasma treatment on hydrogen chloride removal of activated carbon fibers. Journal of Colloid and Interface Science, 2004, 275, 590-595. | 5.0 | 83 |
| 125 | Ammonia removal of activated carbon fibers produced by oxyfluorination. Journal of Colloid and Interface Science, 2005, 291, 597-599. | 5.0 | 83 |
| 126 | Physicoâ€“chemical and mechanical properties and antibacterial activity of silver/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Engineering, 2016, 85, 102-112. | 5.9 | 83 |

| # | Article | IF | Citations |
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| 127 | Synthesis of activated carbon derived from rice husks for improving hydrogen storage capacity. Journal of Industrial and Engineering Chemistry, 2015, 31, 330-334. | 2.9 | 82 |
| 128 | Thermal stability of carbon-MoSi2-carbon composites by thermogravimetric analysis. Journal of Materials Science, 2000, 35, 3525-3527. | 1.7 | 81 |
| 129 | Interlaminar and Ductile Characteristics of Carbon Fibers-Reinforced Plastics Produced by Nanoscaled Electroless Nickel Plating on Carbon Fiber Surfaces. Journal of Colloid and Interface Science, 2002, 245, 383-390. | 5.0 | 81 |
| 130 | Photocatalytic activity of ZnO-TiO2 hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques. Macromolecular Research, 2010, 18, 233-240. | 1.0 | 81 |
| 131 | Functionalized Carbon Materials for Electronic Devices: A Review. Micromachines, 2019, 10, 234. | 1.4 | 81 |
| 132 | Effects of a silane treatment on the mechanical interfacial properties of montmorillonite/epoxy nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 526, 74-78. | 2.6 | 80 |
| 133 | Synthesis and high electrochemical capacitance of N-doped microporous carbon/carbon nanotubes for supercapacitor. Journal of Electroanalytical Chemistry, 2012, 673, 58-64. | 1.9 | 80 |
| 134 | Activated carbon nanotubes/polyaniline composites as supercapacitor electrodes. Energy, 2014, 78, 298-303. | 4.5 | 80 |
| 135 | Novel porous carbons synthesized from polymeric precursors for hydrogen storage. International Journal of Hydrogen Energy, 2008, 33, 2254-2259. | 3.8 | 79 |
| 136 | Influence of nickel oxide on carbon dioxide adsorption behaviors of activated carbons. Fuel, 2012, 102, 439-444. | 3.4 | 79 |
| 137 | Cryomilling application of graphene to improve material properties of graphene/chitosan nanocomposites. Composites Part B: Engineering, 2013, 45, 682-687. | 5.9 | 79 |
| 138 | Carbon Fibers. Springer Series in Materials Science, 2015, , . | 0.4 | 79 |
| 139 | Recent Advances in Organic Thermoelectric Materials: Principle Mechanisms and Emerging Carbon-Based Green Energy Materials. Polymers, 2019, 11, 167. | 2.0 | 79 |
| 140 | Anodic Surface Treatment on Carbon Fibers: Determination of Acid-Base Interaction Parameter between Two Unidentical Solid Surfaces in a Composite System. Journal of Colloid and Interface Science, 1998, 206, 29-32. | 5.0 | 78 |
| 141 | Cationic polymerization and physicochemical properties of a biobased epoxy resin initiated by thermally latent catalysts. European Polymer Journal, 2005, 41, 231-237. | 2.6 | 78 |
| 142 | TiO2 NPs Assembled into a Carbon Nanofiber Composite Electrode by a One-Step Electrospinning Process for Supercapacitor Applications. Polymers, 2019, 11, 899. | 2.0 | 78 |
| 143 | Silane treatment of Fe3O4 and its effect on the magnetic and wear properties of Fe3O4/epoxy nanocomposites. Applied Surface Science, 2010, 256, 6945-6950. | 3.1 | 77 |
| 144 | Hydrogen storage behaviors of platinum-supported multi-walled carbon nanotubes. International Journal of Hydrogen Energy, 2010, 35, 13048-13054. | 3.8 | 76 |

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| 145 | Fracture toughness improvement of epoxy resins with short carbon fibers. Journal of Industrial and Engineering Chemistry, 2014, 20, 1220-1222. | 2.9 | 76 |
| 146 | Flexible solid-state hybrid supercapacitors for the internet of everything (IoE). Energy and Environmental Science, 2022, 15, 2233-2258. | 15.6 | 76 |
| 147 | Preparation and ion-conducting behaviors of poly(ethylene oxide)-composite electrolytes containing lithium montmorillonite. Solid State Ionics, 2007, 178, 973-979. | 1.3 | 75 |
| 148 | Silica nanoparticle-embedded solâ€“gel organic/inorganic hybrid nanocomposite for transparent OLED encapsulation. Organic Electronics, 2012, 13, 53-57. | 1.4 | 75 |
| 149 | Role of heteroatoms (nitrogen and sulfur)-dual doped corn-starch based porous carbons for selective CO2 adsorption and separation. Journal of CO2 Utilization, 2021, 51, 101641. | 3.3 | 75 |
| 150 | Effect of anti-oxidative filler on the interfacial mechanical properties of carbonâ€“carbon composites measured at high temperature. Carbon, 2000, 38, 1053-1058. | 5.4 | 73 |
| 151 | Effect of atmospheric-pressure plasma on adhesion characteristics of polyimide film. Journal of Colloid and Interface Science, 2005, 285, 267-272. | 5.0 | 73 |
| 152 | Effects of chemical treatment of carbon supports on electrochemical behaviors for platinum catalysts of fuel cells. Journal of Power Sources, 2006, 159, 42-45. | 4.0 | 73 |
| 153 | Effect of imidazolium cation on cycle life characteristics of secondary lithiumâ€“sulfur cells using liquid electrolytes. Electrochimica Acta, 2007, 52, 2116-2122. | 2.6 | 73 |
| 154 | Preparation and characterization of PEI-loaded MCM-41 for CO2 capture. International Journal of Hydrogen Energy, 2014, 39, 12340-12346. | 3.8 | 73 |
| 155 | Study on the Effect of Silanization and Improvement in the Tensile Behavior of Graphene-Chitosan-Composite. Polymers, 2015, 7, 527-551. | 2.0 | 73 |
| 156 | Electrochemical treatment on activated carbon fibers for increasing the amount and rate of Cr(VI) adsorption. Carbon, 1999, 37, 1223-1226. | 5.4 | 72 |
| 157 | XPS Analysis of Carbon Fiber Surfacesâ€”Anodized and Interfacial Effects in Fiberâ€“Epoxy Composites. Journal of Colloid and Interface Science, 1999, 215, 167-169. | 5.0 | 71 |
| 158 | Influence of Plasma Treatment on Microstructures and Acidâ€“Base Surface Energetics of Nanostructured Carbon Blacks: N2 Plasma Environment. Journal of Colloid and Interface Science, 2001, 244, 336-341. | 5.0 | 70 |
| 159 | A study of oxyfluorination of multi-walled carbon nanotubes on mechanical interfacial properties of epoxy matrix nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 385, 13-16. | 2.6 | 70 |
| 160 | Effects of imidazolium salts on discharge performance of rechargeable lithiumâ€“sulfur cells containing organic solvent electrolytes. Journal of Power Sources, 2005, 152, 272-277. | 4.0 | 70 |
| 161 | Effect of platinum doping of activated carbon on hydrogen storage behaviors of metal-organic frameworks-5. International Journal of Hydrogen Energy, 2011, 36, 8381-8387. | 3.8 | 70 |
| 162 | Effect of nano-sized barium titanate addition on PEO/PVDF blend-based composite polymer electrolytes. Solid State Ionics, 2013, 234, 19-24. | 1.3 | 70 |

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