

Soo-Jin Park

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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 | A review on carbon nanotubes and graphene as fillers in reinforced polymer nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 11-25 | 6.3 | 916 |
| 1022 | Synthesis and application of epoxy resins: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 29, 1-11 | 6.3 | 768 |
| 1021 | TiO ₂ photocatalyst for water treatment applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1761-1769 | 6.3 | 557 |
| 1020 | A short review on basalt fiber reinforced polymer composites. <i>Composites Part B: Engineering</i> , 2015 , 73, 166-180 | 10 | 475 |
| 1019 | Epoxy clay nanocomposites [Processing, properties and applications: A review. <i>Composites Part B: Engineering</i> , 2013 , 45, 308-320 | 10 | 470 |
| 1018 | Effect of modification with HNO ₃ and NaOH on metal adsorption by pitch-based activated carbon fibers. <i>Carbon</i> , 2001 , 39, 1635-1642 | 10.4 | 412 |
| 1017 | A review on solid adsorbents for carbon dioxide capture. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 23, 1-11 | 6.3 | 398 |
| 1016 | Fiber mats of poly(vinyl alcohol)/silica composite via electrospinning. <i>Materials Letters</i> , 2003 , 57, 1579-1584 | 5.84 | 354 |
| 1015 | Recent advances in carbon-fiber-reinforced thermoplastic composites: A review. <i>Composites Part B: Engineering</i> , 2018 , 142, 241-250 | 10 | 286 |
| 1014 | Electrical resistivity and rheological behaviors of carbon nanotubes-filled polypropylene composites. <i>Chemical Physics Letters</i> , 2004 , 395, 44-48 | 2.5 | 270 |
| 1013 | Preparation and characterization of a nanoscale poly(vinyl alcohol) fiber aggregate produced by an electrospinning method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1261-1268 | 2.6 | 260 |
| 1012 | Crystallization kinetics and interfacial behaviors of polypropylene composites reinforced with multi-walled carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 404, 79-84 | 5.3 | 195 |
| 1011 | Thermal and mechanical properties of tetrafunctional epoxy resin toughened with epoxidized soybean oil. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 374, 109-114 | 5.3 | 192 |
| 1010 | 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 |
| 1009 | Synthesis and Thermal Properties of Epoxidized Vegetable Oil. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 724-727 | 4.8 | 169 |
| 1008 | Incorporation of RuO ₂ into charcoal-derived carbon with controllable microporosity by CO ₂ activation for high-performance supercapacitor. <i>Carbon</i> , 2017 , 122, 287-297 | 10.4 | 168 |
| 1007 | Recent advanced thermal interfacial materials: A review of conducting mechanisms and parameters of carbon materials. <i>Carbon</i> , 2019 , 142, 445-460 | 10.4 | 160 |

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|------|--|------|-----|
| 1006 | Determination of the optimal pore size for improved CO ₂ adsorption in activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2013 , 389, 230-5 | 9.3 | 159 |
| 1005 | Pore structure and surface properties of chemically modified activated carbons for adsorption mechanism and rate of Cr(VI). <i>Journal of Colloid and Interface Science</i> , 2002 , 249, 458-63 | 9.3 | 159 |
| 1004 | Preparation and characterization of activated carbon fibers supported with silver metal for antibacterial behavior. <i>Journal of Colloid and Interface Science</i> , 2003 , 261, 238-43 | 9.3 | 158 |
| 1003 | Effect of chemical treatment of Kevlar fibers on mechanical interfacial properties of composites. <i>Journal of Colloid and Interface Science</i> , 2002 , 252, 249-55 | 9.3 | 152 |
| 1002 | AuPd bimetallic alloy nanoparticle-decorated BiPO ₄ nanorods for enhanced photocatalytic oxidation of trichloroethylene. <i>Journal of Catalysis</i> , 2017 , 355, 1-10 | 7.3 | 151 |
| 1001 | Filler-elastomer interactions: influence of silane coupling agent on crosslink density and thermal stability of silica/rubber composites. <i>Journal of Colloid and Interface Science</i> , 2003 , 267, 86-91 | 9.3 | 147 |
| 1000 | Roles of acidic functional groups of carbon fiber surfaces in enhancing interfacial adhesion behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 408, 269-273 | 5.3 | 146 |
| 999 | Morphology and crystalline phase study of electrospun TiO ₂ /SiO ₂ nanofibres. <i>Nanotechnology</i> , 2003 , 14, 532-537 | 3.4 | 142 |
| 998 | Evaluation of specific interactions of solid surfaces by inverse gas chromatography. <i>Chromatographia</i> , 1991 , 31, 434-440 | 2.1 | 142 |
| 997 | Drug Delivery Applications of Core-Sheath Nanofibers Prepared by Coaxial Electrospinning: A Review. <i>Pharmaceutics</i> , 2019 , 11, | 6.4 | 141 |
| 996 | Bioactive hydroxyapatite/graphene composite coating and its corrosion stability in simulated body fluid. <i>Journal of Alloys and Compounds</i> , 2015 , 624, 148-157 | 5.7 | 138 |
| 995 | Thermal conductivity and thermo-physical properties of nanodiamond-attached exfoliated hexagonal boron nitride/epoxy nanocomposites for microelectronics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 101, 227-236 | 8.4 | 137 |
| 994 | One-step synthesis of robust nitrogen-doped carbon dots: acid-evoked fluorescence enhancement and their application in Fe ³⁺ detection. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17747-17754 | 13 | 137 |
| 993 | Eco-friendly synthesis, characterization and properties of a sodium carboxymethyl cellulose/graphene oxide nanocomposite film. <i>Cellulose</i> , 2013 , 20, 687-698 | 5.5 | 137 |
| 992 | Effect of Biodegradable Epoxidized Castor Oil on Physicochemical and Mechanical Properties of Epoxy Resins. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 2048-2054 | 2.6 | 137 |
| 991 | A critical review of nanodiamond based nanocomposites: Synthesis, properties and applications. <i>Composites Part B: Engineering</i> , 2018 , 143, 19-27 | 10 | 134 |
| 990 | Synthesis and characterization of graphene oxide/carboxymethylcellulose/alginate composite blend films. <i>Carbohydrate Polymers</i> , 2014 , 110, 18-25 | 10.3 | 134 |
| 989 | Nanodiamond nanocluster-decorated graphene oxide/epoxy nanocomposites with enhanced mechanical behavior and thermal stability. <i>Composites Part B: Engineering</i> , 2017 , 114, 111-120 | 10 | 131 |

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|-----|---|------|-----|
| 988 | Effect of Silane Coupling Agent on Interphase and Performance of Glass Fibers/Unsaturated Polyester Composites. <i>Journal of Colloid and Interface Science</i> , 2001 , 242, 174-179 | 9.3 | 131 |
| 987 | Preparation and Characterization of Microcapsules Containing Lemon Oil. <i>Journal of Colloid and Interface Science</i> , 2001 , 241, 502-508 | 9.3 | 129 |
| 986 | The study of controlling pore size on electrospun carbon nanofibers for hydrogen adsorption. <i>Journal of Colloid and Interface Science</i> , 2008 , 318, 42-9 | 9.3 | 128 |
| 985 | Preparation and physical properties of hollow glass microspheres-reinforced epoxy matrix resins. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 402, 335-340 | 5.3 | 125 |
| 984 | Advanced Design and Synthesis of Composite Photocatalysts for the Remediation of Wastewater: A Review. <i>Catalysts</i> , 2019 , 9, 122 | 4 | 125 |
| 983 | Bimetallic AuPd alloy nanoparticles deposited on MoO ₃ nanowires for enhanced visible-light driven trichloroethylene degradation. <i>Journal of Catalysis</i> , 2018 , 361, 238-247 | 7.3 | 121 |
| 982 | Chitosan nanocomposite films: enhanced electrical conductivity, thermal stability, and mechanical properties. <i>Carbohydrate Polymers</i> , 2013 , 92, 1783-91 | 10.3 | 118 |
| 981 | Effect of carbon blacks filler addition on electrochemical behaviors of Co ₃ O ₄ /graphene nanosheets as a supercapacitor electrodes. <i>Electrochimica Acta</i> , 2013 , 89, 516-522 | 6.7 | 118 |
| 980 | Conventional and Microwave Hydrothermal Synthesis and Application of Functional Materials: A Review. <i>Materials</i> , 2019 , 12, | 3.5 | 117 |
| 979 | Thermal properties of epoxy resin/filler hybrid composites. <i>Polymer Degradation and Stability</i> , 2012 , 97, 2148-2153 | 4.7 | 114 |
| 978 | Enhancing the heat and load transfer efficiency by optimizing the interface of hexagonal boron nitride/elastomer nanocomposites for thermal management applications. <i>Polymer</i> , 2018 , 143, 1-9 | 3.9 | 113 |
| 977 | Cobalt nanofibers encapsulated in a graphite shell by an electrospinning process. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7371 | | 111 |
| 976 | Electrospun ZnO hybrid nanofibers for photodegradation of wastewater containing organic dyes: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 26-35 | 6.3 | 110 |
| 975 | Recent advances in preparations and applications of carbon aerogels: A review. <i>Carbon</i> , 2020 , 163, 1-18 | 10.4 | 110 |
| 974 | Synthesis of activated carbon nanotube/copper oxide composites and their electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2012 , 530, 6-10 | 5.7 | 110 |
| 973 | Impact-strength improvement of epoxy resins reinforced with a biodegradable polymer. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 478, 402-405 | 5.3 | 110 |
| 972 | Mechanical properties of Fe ₃ O ₄ /GO/chitosan composites. <i>Composites Part B: Engineering</i> , 2014 , 66, 89-96 | | 108 |
| 971 | Effect of heat treatment on CO ₂ adsorption of KOH-activated graphite nanofibers. <i>Journal of Colloid and Interface Science</i> , 2010 , 352, 498-503 | 9.3 | 108 |

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|-----|---|------|-----|
| 970 | Surface modification of montmorillonite on surface Acid-base characteristics of clay and thermal stability of epoxy/clay nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2002 , 251, 160-5 | 9.3 | 107 |
| 969 | 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 |
| 968 | Titanium dioxide nanofibers prepared by using electrospinning method. <i>Fibers and Polymers</i> , 2004 , 5, 105-109 | 2 | 101 |
| 967 | Graphene-based antibacterial composite coatings electrodeposited on titanium for biomedical applications. <i>Progress in Organic Coatings</i> , 2015 , 83, 1-10 | 4.8 | 99 |
| 966 | Studies on pore structures and surface functional groups of pitch-based activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2003 , 260, 259-64 | 9.3 | 99 |
| 965 | Effects of silane-modified carbon nanotubes on flexural and fracture behaviors of carbon nanotube-modified epoxy/basalt composites. <i>Composites Part B: Engineering</i> , 2012 , 43, 2298-2302 | 10 | 98 |
| 964 | Thermal stabilities and dynamic mechanical properties of sulfone-containing epoxy resin cured with anhydride. <i>Polymer Degradation and Stability</i> , 2004 , 86, 515-520 | 4.7 | 98 |
| 963 | Thermomechanical behavior of epoxy resins modified with epoxidized vegetable oils. <i>Polymer International</i> , 2008 , 57, 577-583 | 3.3 | 97 |
| 962 | Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications. <i>Chemical Engineering Journal</i> , 2010 , 156, 487-495 | 14.7 | 96 |
| 961 | A study on the hydrogen storage capacity of Ni-plated porous carbon nanofibers. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4112-4115 | 6.7 | 96 |
| 960 | Roles of nanosized Fe ₃ O ₄ on supercapacitive properties of carbon nanotubes. <i>Current Applied Physics</i> , 2011 , 11, 462-466 | 2.6 | 95 |
| 959 | Effect of acidic anode treatment on carbon fibers for increasing fiber-matrix adhesion and its relationship to interlaminar shear strength of composites. <i>Journal of Materials Science</i> , 2000 , 35, 1901-1905 | 4.3 | 95 |
| 958 | A Review of Conductive Metal Nanomaterials as Conductive, Transparent, and Flexible Coatings, Thin Films, and Conductive Fillers: Different Deposition Methods and Applications. <i>Coatings</i> , 2018 , 8, 278 | 2.9 | 94 |
| 957 | Facile preparation and characterization of poly(vinyl alcohol)/chitosan/graphene oxide biocomposite nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4415-4420 | 6.3 | 94 |
| 956 | Thermal properties and toughness performance of hyperbranched-polyimide-modified epoxy resins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 3348-3356 | 2.6 | 92 |
| 955 | HCl removal using activated carbon fibers electroplated with silver. <i>Carbon</i> , 2004 , 42, 2113-2115 | 10.4 | 92 |
| 954 | Influence of multi-walled carbon nanotubes on the electrochemical performance of graphene nanocomposites for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2011 , 56, 1629-1635 | 6.7 | 90 |
| 953 | In-situ synthesis of nanofibers with various ratios of BiOCl _x /BiOBry/BiOI _z for effective trichloroethylene photocatalytic degradation. <i>Applied Surface Science</i> , 2016 , 384, 192-199 | 6.7 | 89 |

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|-----|---|------|----|
| 952 | Thermal property and latent heat energy storage behavior of sodium acetate trihydrate composites containing expanded graphite and carboxymethyl cellulose for phase change materials. <i>Applied Thermal Engineering</i> , 2015 , 75, 978-983 | 5.8 | 88 |
| 951 | Adsorption Behaviors of CO ₂ and NH ₃ on Chemically Surface-Treated Activated Carbons. <i>Journal of Colloid and Interface Science</i> , 1999 , 212, 186-189 | 9.3 | 88 |
| 950 | Improvement of thermal behaviors of biodegradable poly(lactic acid) polymer: A review. <i>Composites Part B: Engineering</i> , 2019 , 164, 287-296 | 10 | 88 |
| 949 | Synthesis and characterization of reduced graphene oxide decorated with CeO-doped MnO nanorods for supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 338-344 | 9.3 | 86 |
| 948 | Thermal Stability of Imidized Epoxy Blends Initiated by N-Benzylpyrazinium Hexafluoroantimonate Salt. <i>Macromolecules</i> , 2001 , 34, 7573-7575 | 5.5 | 86 |
| 947 | Thermal and mechanical interfacial properties of epoxy composites based on functionalized carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 8517-8522 | 5.3 | 85 |
| 946 | Study of new fluorine-containing epoxy resin for low dielectric constant. <i>Surface and Coatings Technology</i> , 2004 , 180-181, 650-654 | 4.4 | 85 |
| 945 | Effect of KOH activation on the formation of oxygen structure in activated carbons synthesized from polymeric precursor. <i>Journal of Colloid and Interface Science</i> , 2002 , 250, 93-8 | 9.3 | 85 |
| 944 | Formation of hollow MoO ₃ /SnS ₂ heterostructured nanotubes for efficient light-driven hydrogen peroxide production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20304-20312 | 13 | 85 |
| 943 | Thermal characterization of erythritol/expanded graphite composites for high thermal storage capacity. <i>Carbon</i> , 2014 , 68, 67-72 | 10.4 | 84 |
| 942 | Effect of ozone treatment on ammonia removal of activated carbons. <i>Journal of Colloid and Interface Science</i> , 2005 , 286, 417-9 | 9.3 | 84 |
| 941 | Thermal stability and toughening of epoxy resin with polysulfone resin. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 121-128 | 2.6 | 84 |
| 940 | Effect of clay surface modification and concentration on the tensile performance of clay/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 448, 264-268 | 5.3 | 83 |
| 939 | Recent Trends of Foaming in Polymer Processing: A Review. <i>Polymers</i> , 2019 , 11, | 4.5 | 81 |
| 938 | General one-pot strategy to prepare Ag ⁺ /I ₂ decorated reduced graphene oxide nanocomposites for chemical and biological disinfectant. <i>Journal of Alloys and Compounds</i> , 2016 , 671, 51-59 | 5.7 | 80 |
| 937 | Thermo-mechanical behaviors of epoxy resins reinforced with nano-Al ₂ O ₃ particles. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 594-596 | 6.3 | 80 |
| 936 | Effect of Fiber-Polymer Interactions on Fracture Toughness Behavior of Carbon Fiber-Reinforced Epoxy Matrix Composites. <i>Journal of Colloid and Interface Science</i> , 2000 , 228, 287-291 | 9.3 | 79 |
| 935 | Interlayer polymerization in amine-terminated macromolecular chain-grafted expanded graphite for fabricating highly thermal conductive and physically strong thermoset composites for thermal management applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 109, 498-506 | 8.4 | 78 |

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| 934 | Copper oxide-decorated porous carbons for carbon dioxide adsorption behaviors. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 575-8 | 9.3 | 78 |
| 933 | Preparation and characteristics of electrospun activated carbon materials having meso- and macropores. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 32-7 | 9.3 | 78 |
| 932 | Interfacial Characteristics and Fracture Toughness of Electrolytically Ni-Plated Carbon Fiber-Reinforced Phenolic Resin Matrix Composites. <i>Journal of Colloid and Interface Science</i> , 2001 , 237, 91-97 | 9.3 | 78 |
| 931 | Electromagnetic interference shielding effectiveness of nickel-plated MWCNTs/high-density polyethylene composites. <i>Composites Part B: Engineering</i> , 2016 , 98, 120-125 | 10 | 77 |
| 930 | Silane modification of carbon nanotubes and its effects on the material properties of carbon/CNT/epoxy three-phase composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 478-483 | 8.4 | 76 |
| 929 | High performance organic-inorganic hybrid barrier coating for encapsulation of OLEDs. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1977-1983 | | 76 |
| 928 | Influence of activation temperature on adsorption characteristics of activated carbon fiber composites. <i>Carbon</i> , 2001 , 39, 1741-1746 | 10.4 | 76 |
| 927 | MnO ₂ and biomass-derived 3D porous carbon composites electrodes for high performance supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 360-367 | 5.7 | 75 |
| 926 | Surface characteristics of fluorine-modified PAN-based carbon fibers. <i>Carbon</i> , 2003 , 41, 723-730 | 10.4 | 75 |
| 925 | Synthesis and high electrochemical capacitance of N-doped microporous carbon/carbon nanotubes for supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 673, 58-64 | 4.1 | 74 |
| 924 | Roles of work of adhesion between carbon blacks and thermoplastic polymers on electrical properties of composites. <i>Journal of Colloid and Interface Science</i> , 2002 , 255, 145-9 | 9.3 | 74 |
| 923 | Ammonia removal of activated carbon fibers produced by oxyfluorination. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 597-9 | 9.3 | 74 |
| 922 | Novel porous carbons synthesized from polymeric precursors for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 2254-2259 | 6.7 | 73 |
| 921 | Photocatalytic activity of ZnO-TiO ₂ hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques. <i>Macromolecular Research</i> , 2010 , 18, 233-240 | 1.9 | 72 |
| 920 | Hydrogen storage behaviors of platinum-supported multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 13048-13054 | 6.7 | 72 |
| 919 | Anodic Surface Treatment on Carbon Fibers: Determination of Acid-Base Interaction Parameter between Two Unidentical Solid Surfaces in a Composite System. <i>Journal of Colloid and Interface Science</i> , 1998 , 206, 29-32 | 9.3 | 72 |
| 918 | The tensile and thermal properties of modified CNT-reinforced basalt/epoxy composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 6838-6843 | 5.3 | 71 |
| 917 | Filler/blastomer interactions: influence of oxygen plasma treatment on surface and mechanical properties of carbon black/rubber composites. <i>Carbon</i> , 2003 , 41, 1437-1442 | 10.4 | 71 |

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|-----|--|------|----|
| 916 | Thermal stability of carbon-MoSi ₂ -carbon composites by thermogravimetric analysis. <i>Journal of Materials Science</i> , 2000 , 35, 3525-3527 | 4.3 | 71 |
| 915 | 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 |
| 914 | Recent progresses of fabrication and characterization of fibers-reinforced composites: A review. <i>Composites Communications</i> , 2019 , 14, 34-42 | 6.7 | 70 |
| 913 | Effects of a silane treatment on the mechanical interfacial properties of montmorillonite/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 526, 74-78 | 5.3 | 70 |
| 912 | Influence of oxygen plasma treatment on hydrogen chloride removal of activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2004 , 275, 590-5 | 9.3 | 70 |
| 911 | Interlaminar and ductile characteristics of carbon fibers-reinforced plastics produced by nanoscaled electroless nickel plating on carbon fiber surfaces. <i>Journal of Colloid and Interface Science</i> , 2002 , 245, 383-90 | 9.3 | 70 |
| 910 | Cationic polymerization and physicochemical properties of a biobased epoxy resin initiated by thermally latent catalysts. <i>European Polymer Journal</i> , 2005 , 41, 231-237 | 5.2 | 70 |
| 909 | Effect of anti-oxidative filler on the interfacial mechanical properties of carbon-carbon composites measured at high temperature. <i>Carbon</i> , 2000 , 38, 1053-1058 | 10.4 | 70 |
| 908 | 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 |
| 907 | Silane treatment of Fe ₃ O ₄ and its effect on the magnetic and wear properties of Fe ₃ O ₄ /epoxy nanocomposites. <i>Applied Surface Science</i> , 2010 , 256, 6945-6950 | 6.7 | 69 |
| 906 | 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 |
| 905 | 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 |
| 904 | Effects of chemical treatment of carbon supports on electrochemical behaviors for platinum catalysts of fuel cells. <i>Journal of Power Sources</i> , 2006 , 159, 42-45 | 8.9 | 68 |
| 903 | Comparative study of activation methods to design nitrogen-doped ultra-microporous carbons as efficient contenders for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2018 , 352, 539-548 | 14.7 | 67 |
| 902 | Cryomilling application of graphene to improve material properties of graphene/chitosan nanocomposites. <i>Composites Part B: Engineering</i> , 2013 , 45, 682-687 | 10 | 67 |
| 901 | Superhydrophobic carbon-based materials: a review of synthesis, structure, and applications. <i>Carbon Letters</i> , 2014 , 15, 89-104 | 2.3 | 67 |
| 900 | Ag-ZnO photocatalyst anchored on carbon nanofibers: Synthesis, characterization, and photocatalytic activities. <i>Synthetic Metals</i> , 2016 , 220, 533-537 | 3.6 | 67 |
| 899 | Cure behaviors and mechanical properties of carbon fiber-reinforced nylon6/epoxy blended matrix composites. <i>Composites Part B: Engineering</i> , 2017 , 112, 15-21 | 10 | 66 |

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|-----|--|------|----|
| 898 | Impaired RV global longitudinal strain is associated with poor long-term clinical outcomes in patients with acute inferior STEMI. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 161-9 | 8.4 | 66 |
| 897 | Influence of nickel oxide on carbon dioxide adsorption behaviors of activated carbons. <i>Fuel</i> , 2012 , 102, 439-444 | 7.1 | 66 |
| 896 | Carbon nanofibers wrapped with zinc oxide nano-flakes as promising electrode material for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018 , 522, 40-47 | 9.3 | 65 |
| 895 | Ultrahigh electromagnetic interference shielding performance of lightweight, flexible, and highly conductive copper-clad carbon fiber nonwoven fabrics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7853-7861 | 7.1 | 65 |
| 894 | 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 |
| 893 | Influence of surface energetics of graphene oxide on fracture toughness of epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2017 , 114, 175-183 | 10 | 64 |
| 892 | 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 |
| 891 | Preparation and ion-conducting behaviors of poly(ethylene oxide)-composite electrolytes containing lithium montmorillonite. <i>Solid State Ionics</i> , 2007 , 178, 973-979 | 3.3 | 64 |
| 890 | Effect of imidazolium cation on cycle life characteristics of secondary lithium-sulfur cells using liquid electrolytes. <i>Electrochimica Acta</i> , 2007 , 52, 2116-2122 | 6.7 | 64 |
| 889 | Preparation and characterization of biodegradable poly(L-lactide)/poly(ethylene glycol) microcapsules containing erythromycin by emulsion solvent evaporation technique. <i>Journal of Colloid and Interface Science</i> , 2004 , 271, 336-41 | 9.3 | 64 |
| 888 | Effects of imidazolium salts on discharge performance of rechargeable lithium-sulfur cells containing organic solvent electrolytes. <i>Journal of Power Sources</i> , 2005 , 152, 272-277 | 8.9 | 64 |
| 887 | Silica nanoparticle-embedded sol-gel organic/inorganic hybrid nanocomposite for transparent OLED encapsulation. <i>Organic Electronics</i> , 2012 , 13, 53-57 | 3.5 | 63 |
| 886 | The effect of embedded vanadium catalyst on activated electrospun CFs for hydrogen storage. <i>Microporous and Mesoporous Materials</i> , 2008 , 115, 514-521 | 5.3 | 63 |
| 885 | Effect of atmospheric-pressure plasma on adhesion characteristics of polyimide film. <i>Journal of Colloid and Interface Science</i> , 2005 , 285, 267-72 | 9.3 | 63 |
| 884 | The effects of MoSi ₂ on the oxidation behavior of carbon/carbon composites. <i>Carbon</i> , 2001 , 39, 1229-1235 | 3.4 | 63 |
| 883 | Electrochemical treatment on activated carbon fibers for increasing the amount and rate of Cr(VI) adsorption. <i>Carbon</i> , 1999 , 37, 1223-1226 | 10.4 | 63 |
| 882 | Synthesis of activated carbon derived from rice husks for improving hydrogen storage capacity. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 330-334 | 6.3 | 62 |
| 881 | Fracture toughness improvement of epoxy resins with short carbon fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1220-1222 | 6.3 | 62 |

- 880 Activated carbon nanotubes/polyaniline composites as supercapacitor electrodes. *Energy*, **2014**, 78, 298-303 62
- 879 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 5.3 62
- 878 Influence of Plasma Treatment on Microstructures and Acid-Base Surface Energetics of Nanostructured Carbon Blacks: N₂ Plasma Environment. *Journal of Colloid and Interface Science*, **2001**, 244, 336-341 9.3 62
- 877 XPS Analysis of Carbon Fiber Surfaces-Anodized and Interfacial Effects in Fiber-Epoxy Composites. *Journal of Colloid and Interface Science*, **1999**, 215, 167-169 9.3 62
- 876 Surface characteristics of pitch-based carbon fibers by inverse gas chromatography method. *Carbon*, **1991**, 29, 955-961 10.4 62
- 875 Nitrogen and hydrogen adsorption of activated carbon fibers modified by fluorination. *Journal of Industrial and Engineering Chemistry*, **2009**, 15, 410-414 6.3 61
- 874 Electrospun polymeric nanofibers encapsulated with nanostructured materials and their applications: A review. *Journal of Industrial and Engineering Chemistry*, **2015**, 24, 1-13 6.3 60
- 873 In-situ synthesis of graphene oxide/BiOCl heterostructured nanofibers for visible-light photocatalytic investigation. *Journal of Alloys and Compounds*, **2016**, 686, 106-114 5.7 60
- 872 Effect of temperature on activated carbon nanotubes for hydrogen storage behaviors. *International Journal of Hydrogen Energy*, **2010**, 35, 6757-6762 6.7 60
- 871 A study on dielectric characteristics of fluorinated polyimide thin film. *Journal of Colloid and Interface Science*, **2004**, 272, 384-90 9.3 59
- 870 Physicochemical and mechanical properties and antibacterial activity of silver/poly(vinyl alcohol)/graphene nanocomposites obtained by electrochemical method. *Composites Part B: Engineering*, **2016**, 85, 102-112 10 58
- 869 Moderated surface defects of Ni particles encapsulated with NiO nanofibers as supercapacitor with high capacitance and energy density. *Journal of Colloid and Interface Science*, **2017**, 500, 155-163 9.3 58
- 868 Preparation and photocatalytic activity of fly ash incorporated TiO₂ nanofibers for effective removal of organic pollutants. *Ceramics International*, **2015**, 41, 1771-1777 5.1 58
- 867 Preparation and characterization of PEI-loaded MCM-41 for CO₂ capture. *International Journal of Hydrogen Energy*, **2014**, 39, 12340-12346 6.7 58
- 866 Recent Advances in Carbonaceous Photocatalysts with Enhanced Photocatalytic Performances: A Mini Review. *Materials*, **2019**, 12, 3.5 57
- 865 Modeling the roles of carbon nanotubes and interphase dimensions in the conductivity of nanocomposites. *Results in Physics*, **2019**, 15, 102562 3.7 57
- 864 Effect of nano-sized barium titanate addition on PEO/PVDF blend-based composite polymer electrolytes. *Solid State Ionics*, **2013**, 234, 19-24 3.3 57
- 863 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 10 57

| | | | |
|-----|--|------|----|
| 862 | Effect of fluorination of carbon nanotubes on superhydrophobic properties of fluoro-based films. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 559-63 | 9.3 | 57 |
| 861 | Role of Chemically Modified Carbon Black Surfaces in Enhancing Interfacial Adhesion between Carbon Black and Rubber in a Composite System. <i>Journal of Colloid and Interface Science</i> , 2000 , 232, 311-316 | 9.3 | 57 |
| 860 | A Kinetic Study on the Thermal Degradation of Multi-Walled Carbon Nanotubes-Reinforced Poly(propylene) Composites. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 368-374 | 3.9 | 56 |
| 859 | Preparation of activated carbons derived from KOH-impregnated resin. <i>Carbon</i> , 2002 , 40, 2021-2022 | 10.4 | 56 |
| 858 | Influence of surface characteristics of carbon blacks on cure and mechanical behaviors of rubber matrix compoundings. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 229-35 | 9.3 | 56 |
| 857 | 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 |
| 856 | Influence of copper electroplating on high pressure hydrogen-storage behaviors of activated carbon fibers. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1706-1710 | 6.7 | 55 |
| 855 | Effect of Corona Discharge Treatment on the Dyeability of Low-Density Polyethylene Film. <i>Journal of Colloid and Interface Science</i> , 2001 , 236, 155-160 | 9.3 | 55 |
| 854 | EMI shielding behaviors of Ni-coated MWCNTs-filled epoxy matrix nanocomposites. <i>Surface and Coatings Technology</i> , 2014 , 242, 125-131 | 4.4 | 54 |
| 853 | Electrochemical characteristics of activated carbon nanofiber electrodes for supercapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 164, 106-111 | 3.1 | 54 |
| 852 | Formation of electrospun nylon-6/methoxy poly(ethylene glycol) oligomer spider-wave nanofibers. <i>Materials Letters</i> , 2010 , 64, 2087-2090 | 3.3 | 54 |
| 851 | Ionic conductivity of polymeric nanocomposite electrolytes based on poly(ethylene oxide) and organo-clay materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 216-219 | 5.1 | 54 |
| 850 | Novel magnetically separable silver-iron oxide nanoparticles decorated graphitic carbon nitride nano-sheets: A multifunctional photocatalyst via one-step hydrothermal process. <i>Journal of Colloid and Interface Science</i> , 2017 , 496, 343-352 | 9.3 | 53 |
| 849 | Preparation and characterization of multi-walled carbon nanotubes impregnated with polyethyleneimine for carbon dioxide capture. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 3415-3421 | 6.7 | 53 |
| 848 | Hydroxyapatite Mineralization on the Calcium Chloride Blended Polyurethane Nanofiber via Biomimetic Method. <i>Nanoscale Research Letters</i> , 2010 , 6, 2 | 5 | 53 |
| 847 | Rheological behaviors and mechanical properties of graphite nanoplate/carbon nanotube-filled epoxy nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 572-576 | 6.3 | 53 |
| 846 | London Dispersive Component of the Surface Free Energy and Surface Enthalpy. <i>Journal of Colloid and Interface Science</i> , 1997 , 188, 336-339 | 9.3 | 53 |
| 845 | Effect of acid/base treatment to carbon blacks on preparation of carbon-supported platinum nanoclusters. <i>Electrochimica Acta</i> , 2007 , 52, 3013-3021 | 6.7 | 53 |

| | | | |
|-----|--|-----|----|
| 844 | A facile ultrasonic-assisted fabrication of nitrogen-doped carbon dots/BiOBr up-conversion nanocomposites for visible light photocatalytic enhancements. <i>Scientific Reports</i> , 2017 , 7, 45086 | 4.9 | 52 |
| 843 | Study on the Effect of Silanization and Improvement in the Tensile Behavior of Graphene-Chitosan-Composite. <i>Polymers</i> , 2015 , 7, 527-551 | 4.5 | 52 |
| 842 | Synthesis and characterization of bovine femur bone hydroxyapatite containing silver nanoparticles for the biomedical applications. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1917-1927 | 2.3 | 52 |
| 841 | Effect of platinum doping of activated carbon on hydrogen storage behaviors of metal-organic frameworks-5. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8381-8387 | 6.7 | 52 |
| 840 | A study on hydrogen-storage behaviors of nickel-loaded mesoporous MCM-41. <i>Journal of Colloid and Interface Science</i> , 2010 , 346, 194-8 | 9.3 | 52 |
| 839 | Preparation of platinum-decorated porous graphite nanofibers, and their hydrogen storage behaviors. <i>Journal of Colloid and Interface Science</i> , 2008 , 318, 530-3 | 9.3 | 52 |
| 838 | Influence of Surface Treatment of Polyimide Film on Adhesion Enhancement between Polyimide and Metal Films. <i>Bulletin of the Korean Chemical Society</i> , 2007 , 28, 188-192 | 1.2 | 52 |
| 837 | Preparation and Characterization of Reduced Graphene Nanosheets via Pre-exfoliation of Graphite Flakes. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 209-214 | 1.2 | 52 |
| 836 | Recent Advances in Organic Thermoelectric Materials: Principle Mechanisms and Emerging Carbon-Based Green Energy Materials. <i>Polymers</i> , 2019 , 11, | 4.5 | 51 |
| 835 | 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 |
| 834 | Electromagnetic interference shielding behaviors of carbon fibers-reinforced polypropylene matrix composites: II. Effects of filler length control. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3901-3904 | 6.3 | 51 |
| 833 | Interfacial toughness properties of trifunctional epoxy resins/calcium carbonate nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 475, 190-193 | 5.3 | 51 |
| 832 | Characterization and antibacterial properties of aminophenol grafted and Ag NPs decorated graphene nanocomposites. <i>Ceramics International</i> , 2015 , 41, 5656-5662 | 5.1 | 50 |
| 831 | Influence of Ag doped graphene on electrochemical behaviors and specific capacitance of polypyrrole-based nanocomposites. <i>Synthetic Metals</i> , 2010 , 160, 2355-2360 | 3.6 | 50 |
| 830 | Superior prospect of chemically activated electrospun carbon fibers for hydrogen storage. <i>Materials Research Bulletin</i> , 2009 , 44, 1871-1878 | 5.1 | 50 |
| 829 | Surface characteristics of carbon fibers modified by direct oxyfluorination. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 237-42 | 9.3 | 50 |
| 828 | Generation of the pores on graphene surface and their reinforcement effects on the thermal and mechanical properties of chitosan-based composites. <i>Composites Part B: Engineering</i> , 2017 , 114, 348-355 ¹⁰ | | 49 |
| 827 | Immobilization of Ag ₃ PO ₄ nanoparticles on electrospun PAN nanofibers via surface oximation: Bifunctional composite membrane with enhanced photocatalytic and antimicrobial activities. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 45, 277-286 | 6.3 | 49 |

| | | | |
|-----|---|------|----|
| 826 | Synthesis of poly(vinyl alcohol) (PVA) nanofibers incorporating hydroxyapatite nanoparticles as future implant materials. <i>Macromolecular Research</i> , 2010 , 18, 59-66 | 1.9 | 49 |
| 825 | A modeling methodology to investigate the effect of interfacial adhesion on the yield strength of MMT reinforced nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 69, 331-337 | 6.3 | 49 |
| 824 | A catalytic, catalyst-free, and roll-to-roll production of graphene via chemical vapor deposition: Low temperature growth. <i>Carbon</i> , 2018 , 127, 1-12 | 10.4 | 49 |
| 823 | 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 |
| 822 | 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 |
| 821 | Hydrogen storage evaluation based on investigations of the catalytic properties of metal/metal oxides in electrospun carbon fibers. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 3382-3388 | 6.7 | 48 |
| 820 | Influence of air-oxidation on electric double layer capacitances of multi-walled carbon nanotube electrodes. <i>Current Applied Physics</i> , 2010 , 10, 241-244 | 2.6 | 48 |
| 819 | Studies on mechanical interfacial properties of oxy-fluorinated carbon fibers-reinforced composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 356, 219-226 | 5.3 | 48 |
| 818 | Effect of silane coupling agent on mechanical interfacial properties of glass fiber-reinforced unsaturated polyester composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 55-62 | 2.6 | 48 |
| 817 | Roles of Unsaturated Polyester in the Epoxy Matrix System. <i>Polymer Journal</i> , 1999 , 31, 28-31 | 2.7 | 48 |
| 816 | Effects of pore structures on electrochemical behaviors of polyacrylonitrile (PAN)-based activated carbon nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 736-740 | 6.3 | 47 |
| 815 | The effect of graphene loading on mechanical, thermal and biological properties of poly(vinyl alcohol)/graphene nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 250-257 | 6.3 | 47 |
| 814 | Preparation and characterization of keratin-based biocomposite hydrogels prepared by electron beam irradiation. <i>Materials Science and Engineering C</i> , 2013 , 33, 5051-7 | 8.3 | 47 |
| 813 | Effect of exfoliation temperature on carbon dioxide capture of graphene nanoplates. <i>Journal of Colloid and Interface Science</i> , 2012 , 386, 285-90 | 9.3 | 47 |
| 812 | Temperature effects on the fracture behavior and tensile properties of silane-treated clay/epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2010 , 41, 602-607 | 10 | 47 |
| 811 | Thermal conductivity and mechanical properties of various cross-section types carbon fiber-reinforced composites. <i>Journal of Materials Science</i> , 2002 , 37, 1881-1885 | 4.3 | 47 |
| 810 | Cure behavior of diglycidylether of bisphenol A/trimethylolpropane triglycidylether epoxy blends initiated by thermal latent catalyst. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2114-2123 | 2.6 | 47 |
| 809 | Electrochemically Modified PAN Carbon Fibers and Interfacial Adhesion in Epoxy-resin Composites. <i>Journal of Materials Science Letters</i> , 1999 , 18, 47-49 | | 47 |

| | | | |
|-----|---|------|----|
| 808 | A review of the preparation and properties of carbon nanotubes-reinforced polymer composites. <i>Carbon Letters</i> , 2011 , 12, 57-69 | 2.3 | 47 |
| 807 | Green synthesis of fluorescent carbon dots from carrot juice for in vitro cellular imaging. <i>Carbon Letters</i> , 2017 , 21, 61-67 | 2.3 | 47 |
| 806 | Electrochemical behavior of pitch-based activated carbon fibers for electrochemical capacitors. <i>Energy Conversion and Management</i> , 2016 , 125, 347-352 | 10.6 | 47 |
| 805 | Preparation of flower-like TiO ₂ sphere/reduced graphene oxide composites for photocatalytic degradation of organic pollutants. <i>Journal of Solid State Chemistry</i> , 2016 , 239, 91-98 | 3.3 | 47 |
| 804 | Fly-ash-incorporated electrospun zinc oxide nanofibers: Potential material for environmental remediation. <i>Environmental Pollution</i> , 2019 , 245, 163-172 | 9.3 | 47 |
| 803 | A role of steam activation on CO ₂ capture and separation of narrow microporous carbons produced from cellulose fibers. <i>Energy</i> , 2015 , 91, 142-150 | 7.9 | 46 |
| 802 | Preparation and characterization of polyacrylonitrile-based carbon fibers produced by electron beam irradiation pretreatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3789-3792 | 6.3 | 46 |
| 801 | Application of polymer-modified nanoporous silica to adsorbents of uranyl ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 162-166 | 5.1 | 46 |
| 800 | Analysis of Stress Responsive Genes Induced by Single-Walled Carbon Nanotubes in BJ Foreskin Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 584-592 | 1.3 | 46 |
| 799 | Synthesis of a novel siloxane-containing diamine for increasing flexibility of epoxy resins. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 399, 377-381 | 5.3 | 46 |
| 798 | Influence of silane coupling agents on the surface energetics of glass fibers and mechanical interfacial properties of glass fiber-reinforced composites. <i>Journal of Adhesion Science and Technology</i> , 2000 , 14, 1677-1689 | 2 | 46 |
| 797 | Electromagnetic interference shielding effectiveness of high-density polyethylene composites reinforced with multi-walled carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 155-157 | 6.3 | 45 |
| 796 | In situ shear-induced mercapto group-activated graphite nanoplatelets for fabricating mechanically strong and thermally conductive elastomer composites for thermal management applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 40-48 | 8.4 | 44 |
| 795 | Synthesis of a novel phosphorus-nitrogen-containing intumescent flame retardant and its application to fabrics. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 40-43 | 6.3 | 44 |
| 794 | Improvement in fracture behaviors of epoxy resins toughened with sulfonated poly(ether sulfone). <i>Polymer Degradation and Stability</i> , 2007 , 92, 509-514 | 4.7 | 44 |
| 793 | Adsorption behaviors of heavy metal ions onto electrochemically oxidized activated carbon fibers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 391, 121-123 | 5.3 | 44 |
| 792 | Energetic studies on epoxy/polyurethane interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 775-780 | 2.9 | 44 |
| 791 | 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 |

| | | | |
|-----|--|------|----|
| 790 | Effects of exfoliated graphite on the thermal properties of erythritol-based composites used as phase-change materials. <i>Composites Part B: Engineering</i> , 2016 , 96, 350-353 | 10 | 44 |
| 789 | Effects of Microporosity and Surface Chemistry on Separation Performances of N-Containing Pitch-Based Activated Carbons for CO ₂ /N ₂ Binary Mixture. <i>Scientific Reports</i> , 2016 , 6, 23224 | 4.9 | 43 |
| 788 | Effect of hydrophilic graphite flake on thermal conductivity and fracture toughness of basalt fibers/epoxy composites. <i>Composites Part B: Engineering</i> , 2018 , 153, 9-16 | 10 | 43 |
| 787 | Synthesis of carbon-coated graphene electrodes and their electrochemical performance. <i>Electrochimica Acta</i> , 2011 , 56, 6547-6553 | 6.7 | 43 |
| 786 | Enhanced interfacial interaction by grafting carboxylated-macromolecular chains on nanodiamond surfaces for epoxy-based thermosets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1890-1898 | 2.6 | 42 |
| 785 | Functionalized Carbon Materials for Electronic Devices: A Review. <i>Micromachines</i> , 2019 , 10, | 3.3 | 42 |
| 784 | Influence of seawater absorption on the vibration damping characteristics and fracture behaviors of basalt/CNT/epoxy multiscale composites. <i>Composites Part B: Engineering</i> , 2014 , 63, 61-66 | 10 | 42 |
| 783 | Facile fabrication of Pickering emulsion polymerized polystyrene/laponite composite nanoparticles and their electrorheology. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 108-14 | 9.3 | 42 |
| 782 | Effect of oxygen plasma-treated carbon fibers on the tribological behavior of oil-absorbed carbon/epoxy woven composites. <i>Composites Part B: Engineering</i> , 2012 , 43, 2395-2399 | 10 | 42 |
| 781 | Chemically modified carbonaceous adsorbents for enhanced CO ₂ capture: A review. <i>Journal of Cleaner Production</i> , 2021 , 290, 125776 | 10.3 | 42 |
| 780 | Effect of ZnCl ₂ activation on CO ₂ adsorption of N-doped nanoporous carbons from polypyrrole. <i>Journal of Solid State Chemistry</i> , 2014 , 218, 90-94 | 3.3 | 41 |
| 779 | Functionalization of multi-walled carbon nanotubes by epoxide ring-opening polymerization. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 3253-3256 | 3.3 | 41 |
| 778 | Isothermal cure kinetics of epoxy/phenol-novolac resin blend system initiated by cationic latent thermal catalyst. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 2945-2956 | 2.5 | 41 |
| 777 | 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 |
| 776 | Effect of TiO ₂ on photocatalytic activity of polyvinylpyrrolidone fabricated via electrospinning. <i>Composites Part B: Engineering</i> , 2015 , 80, 355-360 | 10 | 40 |
| 775 | Improvement of CO ₂ capture by graphite oxide in presence of polyethylenimine. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 14351-14359 | 6.7 | 40 |
| 774 | 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 |
| 773 | The facile and low temperature synthesis of nanophase hydroxyapatite crystals using wet chemistry. <i>Materials Science and Engineering C</i> , 2014 , 36, 152-9 | 8.3 | 40 |

| | | | |
|-----|--|------|----|
| 772 | Synthesis of reduced graphene oxide/thorn-like titanium dioxide nanofiber aerogels with enhanced electrochemical performance for supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2017 , 486, 287-295 | 9.3 | 40 |
| 771 | Adsorption behavior of propylamine on activated carbon fiber surfaces as induced by oxygen functional complexes. <i>Journal of Colloid and Interface Science</i> , 2006 , 302, 695-7 | 9.3 | 40 |
| 770 | Optimization of the pore structure of PAN-based carbon fibers for enhanced supercapacitor performances via electrospinning. <i>Composites Part B: Engineering</i> , 2019 , 161, 10-17 | 10 | 40 |
| 769 | CdS-TiO ₂ NPs decorated carbonized eggshell membrane for effective removal of organic pollutants: A novel strategy to use a waste material for environmental remediation. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 73-78 | 5.7 | 39 |
| 768 | Influence of reduced graphene oxide on mechanical behaviors of sodium carboxymethyl cellulose. <i>Composites Part B: Engineering</i> , 2015 , 83, 36-42 | 10 | 39 |
| 767 | One-pot synthesis of CdS sensitized TiO ₂ decorated reduced graphene oxide nanosheets for the hydrolysis of ammonia-borane and the effective removal of organic pollutant from water. <i>Ceramics International</i> , 2016 , 42, 15247-15252 | 5.1 | 39 |
| 766 | Influence of MgO template on carbon dioxide adsorption of cation exchange resin-based nanoporous carbon. <i>Journal of Colloid and Interface Science</i> , 2012 , 366, 125-129 | 9.3 | 39 |
| 765 | Facile Synthesis of MgO-Modified Carbon Adsorbents with Microwave- Assisted Methods: Effect of MgO Particles and Porosities on CO Capture. <i>Scientific Reports</i> , 2017 , 7, 5653 | 4.9 | 39 |
| 764 | Preparation and electrochemical behaviors of polymeric composite electrolytes containing mesoporous silicate fillers. <i>Electrochimica Acta</i> , 2007 , 52, 3477-3484 | 6.7 | 39 |
| 763 | Effect of fiber shapes on physical characteristics of non-circular carbon fibers-reinforced composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 352, 34-39 | 5.3 | 39 |
| 762 | In vitro investigation of electrophoretically deposited bioactive hydroxyapatite/chitosan coatings reinforced by graphene. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 336-347 | 6.3 | 38 |
| 761 | Predictions of micromechanics models for interfacial/interphase parameters in polymer/metal nanocomposites. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 79, 111-116 | 3.4 | 38 |
| 760 | Carbon Fibers. <i>Springer Series in Materials Science</i> , 2015 , | 0.9 | 38 |
| 759 | Facile hydrothermal synthesis of NiCo ₂ O ₄ - decorated filter carbon as electrodes for high performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018 , 285, 405-414 | 6.7 | 38 |
| 758 | Ordered nanoporous carbon for increasing CO ₂ capture. <i>Journal of Solid State Chemistry</i> , 2013 , 197, 361-365 | 3.65 | 38 |
| 757 | Antibacterial behavior of transition-metals-decorated activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 297-9 | 9.3 | 38 |
| 756 | Current Progress on the Surface Chemical Modification of Carbonaceous Materials. <i>Coatings</i> , 2019 , 9, 103 | 2.9 | 37 |
| 755 | 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 |

| | | | |
|-----|--|------|----|
| 754 | Isothermal exfoliation of graphene oxide by a new carbon dioxide pressure swing method. <i>Carbon</i> , 2014 , 68, 112-117 | 10.4 | 37 |
| 753 | Preparation and characterization of optically transparent and photoluminescent electrospun nanofiber composed of carbon quantum dots and polyacrylonitrile blend with polyacrylic acid. <i>Polymer</i> , 2015 , 59, 35-41 | 3.9 | 37 |
| 752 | Influence of the pore size in multi-walled carbon nanotubes on the hydrogen storage behaviors. <i>Journal of Solid State Chemistry</i> , 2012 , 194, 307-312 | 3.3 | 37 |
| 751 | MgO-templated porous carbons-based CO ₂ adsorbents produced by KOH activation. <i>Materials Chemistry and Physics</i> , 2012 , 137, 91-96 | 4.4 | 37 |
| 750 | Easy synthesis of polyaniline-based mesoporous carbons and their high electrochemical performance. <i>Microporous and Mesoporous Materials</i> , 2012 , 163, 140-146 | 5.3 | 37 |
| 749 | Recent Advances in Carbon-Nanotube-Based Epoxy Composites. <i>Carbon Letters</i> , 2013 , 14, 1-13 | 2.3 | 37 |
| 748 | Formation of high aspect ratio polyamide-6 nanofibers via electrically induced double layer during electrospinning. <i>Applied Surface Science</i> , 2010 , 256, 6318-6323 | 6.7 | 37 |
| 747 | Thermal Stability of Trifunctional Epoxy Resins Modified with Nanosized Calcium Carbonate. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 334-338 | 1.2 | 37 |
| 746 | Flexible Organic Thermoelectric Materials and Devices for Wearable Green Energy Harvesting. <i>Polymers</i> , 2019 , 11, | 4.5 | 36 |
| 745 | Modification of surface functionality of multi-walled carbon nanotubes on fracture toughness of basalt fiber-reinforced composites. <i>Composites Part B: Engineering</i> , 2015 , 79, 47-52 | 10 | 36 |
| 744 | Facile synthesis of nitrogen-enriched microporous carbons derived from imine and benzimidazole-linked polymeric framework for efficient CO ₂ adsorption. <i>Journal of CO₂ Utilization</i> , 2017 , 21, 503-512 | 7.6 | 36 |
| 743 | Synthesis of nitrogen doped microporous carbons prepared by activation-free method and their high electrochemical performance. <i>Electrochimica Acta</i> , 2011 , 56, 10130-10136 | 6.7 | 36 |
| 742 | Optimization of the pore structure of nickel/graphite hybrid materials for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 648-653 | 6.7 | 36 |
| 741 | Influence of plasma treatment of carbon blacks on electrochemical activity of Pt/carbon blacks catalysts for DMFCs. <i>Journal of Power Sources</i> , 2006 , 159, 46-48 | 8.9 | 36 |
| 740 | Thermal, impact and toughness behaviors of expanded graphite/graphite oxide-filled epoxy composites. <i>Composites Part B: Engineering</i> , 2016 , 94, 238-244 | 10 | 36 |
| 739 | 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 |
| 738 | The metal-carbon-fluorine system for improving hydrogen storage by using metal and fluorine with different levels of electronegativity. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 1423-1428 | 6.7 | 35 |
| 737 | Thermal stability and impact and flexural properties of epoxy resins/epoxidized castor oil/nano-CaCO ₃ ternary systems. <i>Macromolecular Research</i> , 2010 , 18, 862-867 | 1.9 | 35 |

| | | | |
|-----|--|-----|----|
| 736 | Effect of porous silica on sustained release behaviors of pH sensitive pluronic F127/poly(acrylic acid) hydrogels containing tulobuterol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 240-6 | 6 | 35 |
| 735 | Effects of N-Benzylpyrazinium Hexafluoroantimonate Concentration on Rheological Properties in Cationic Epoxy Cure System. <i>Polymer Journal</i> , 1997 , 29, 759-765 | 2.7 | 35 |
| 734 | Influence of surface treatments on micropore structure and hydrogen adsorption behavior of nanoporous carbons. <i>Journal of Colloid and Interface Science</i> , 2007 , 311, 619-21 | 9.3 | 35 |
| 733 | Effect of acidic treatment on metal adsorptions of pitch-based activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2004 , 275, 342-4 | 9.3 | 35 |
| 732 | Effect of acidic surface treatment of red mud on mechanical interfacial properties of epoxy/red mud nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2002 , 251, 225-9 | 9.3 | 35 |
| 731 | Studies on epoxy resins cured by cationic latent thermal catalysts: The effect of the catalysts on the thermal, rheological, and mechanical properties. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 187-195 | 2.5 | 35 |
| 730 | Influence of nickel nanoparticles on hydrogen storage behaviors of MWCNTs. <i>Applied Surface Science</i> , 2017 , 415, 85-89 | 6.7 | 34 |
| 729 | Influence of electrolessly silver-plated multi-walled carbon nanotubes on thermal conductivity of epoxy matrix nanocomposites. <i>Composites Part B: Engineering</i> , 2015 , 80, 379-384 | 10 | 34 |
| 728 | Synthesis and high electrochemical performance of polyaniline/MnO ₂ -coated multi-walled carbon nanotube-based hybrid electrodes. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2751-2758 | 2.6 | 34 |
| 727 | Preparation and electrocatalytic activities of platinum nanoclusters deposited on modified multi-walled carbon nanotubes supports. <i>Analytica Chimica Acta</i> , 2008 , 619, 43-8 | 6.6 | 34 |
| 726 | Preparation of functionalized nanoporous carbons for uranium loading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 292-295 | 5.1 | 34 |
| 725 | Influence of anodic treatment on heavy metal ion removal by activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2004 , 278, 276-81 | 9.3 | 34 |
| 724 | X-ray diffraction and X-ray photoelectron spectroscopy studies of Ni-P deposited onto carbon fiber surfaces: impact properties of a carbon-fiber-reinforced matrix. <i>Journal of Colloid and Interface Science</i> , 2003 , 263, 170-6 | 9.3 | 34 |
| 723 | Synthesis and characterization of ABA type tri-block copolymers derived from p-dioxanone, L-lactide and poly(ethylene glycol). <i>Polymer International</i> , 2003 , 52, 6-14 | 3.3 | 34 |
| 722 | Thermal stability and mechanical behavior of cycloaliphatic DGEBA epoxy blend system initiated by cationic latent catalyst. <i>Journal of Applied Polymer Science</i> , 2000 , 78, 290-297 | 2.9 | 34 |
| 721 | Comprehensive review on synthesis and adsorption behaviors of graphene-based materials. <i>Carbon Letters</i> , 2012 , 13, 73-87 | 2.3 | 34 |
| 720 | Preparation and characterization of carbon fiber-reinforced thermosetting composites: a review. <i>Carbon Letters</i> , 2015 , 16, 67-77 | 2.3 | 34 |
| 719 | A review: methane capture by nanoporous carbon materials for automobiles. <i>Carbon Letters</i> , 2016 , 17, 18-28 | 2.3 | 34 |

| | | | |
|-----|--|------|----|
| 718 | One-pot microwave-assisted synthesis of reduced graphene oxide/nickel cobalt double hydroxide composites and their electrochemical behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 108-114 | 6.3 | 33 |
| 717 | 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 |
| 716 | Large-Scale Conductive Yarns Based on Twistable Korean Traditional Paper (Hanji) for Supercapacitor Applications: Toward High-Performance Paper Supercapacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1801854 | 21.8 | 33 |
| 715 | Mechanical properties of titania nanofiber mats fabricated by electrospinning of sol-gel precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 54, 188-194 | 2.3 | 33 |
| 714 | Modifications produced by electrochemical treatments on carbon blacks: Microstructures and mechanical interfacial properties. <i>Carbon</i> , 2001 , 39, 2011-2016 | 10.4 | 33 |
| 713 | 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 |
| 712 | Characteristics of flow and reactive pollutant dispersion in urban street canyons. <i>Atmospheric Environment</i> , 2015 , 108, 20-31 | 5.3 | 32 |
| 711 | Facile synthesis of petroleum-based activated carbons/tubular polypyrrole composites with enhanced electrochemical performance as supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2018 , 263, 447-453 | 6.7 | 32 |
| 710 | Preparation and capacitance behaviors of cobalt oxide/graphene composites. <i>Carbon Letters</i> , 2012 , 13, 130-132 | 2.3 | 32 |
| 709 | Synthesis and characterization of hyper-branched polyimides from 2,4,6-triaminopyrimidine and dianhydrides system. <i>Materials Chemistry and Physics</i> , 2008 , 108, 214-219 | 4.4 | 32 |
| 708 | Electroactivity of PtRu/polyaniline composite catalyst-electrodes prepared by electrochemical deposition methods. <i>Solid State Ionics</i> , 2008 , 178, 1915-1915 | 3.3 | 32 |
| 707 | MDCT Findings of renal trauma. <i>American Journal of Roentgenology</i> , 2006 , 187, 541-7 | 5.4 | 32 |
| 706 | Effect of different cross-section types on mechanical properties of carbon fibers-reinforced cement composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 366, 348-355 | 5.3 | 32 |
| 705 | The effect of microwave plasma treatment on the surface energy of graphite as measured by inverse gas chromatography. <i>Carbon</i> , 1992 , 30, 263-268 | 10.4 | 32 |
| 704 | Polymer matrices for carbon fiber-reinforced polymer composites. <i>Carbon Letters</i> , 2013 , 14, 76-88 | 2.3 | 32 |
| 703 | Influence of chemical surface treatment of basalt fibers on interlaminar shear strength and fracture toughness of epoxy-based composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 153-156 | 6.3 | 31 |
| 702 | 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 |
| 701 | Influence of the nanoscaled hybrid based on nanodiamond@graphene oxide architecture on the rheological and thermo-physical performances of carboxylated-polymeric composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 356-364 | 8.4 | 31 |

| | | | |
|-----|--|-----|----|
| 700 | Enhancement of the Performance of a Reflective SOA-Based Hybrid WDM/TDM PON System With a Remotely Pumped Erbium-Doped Fiber Amplifier. <i>Journal of Lightwave Technology</i> , 2008 , 26, 144-149 | 4 | 31 |
| 699 | Thermo-mechanical behaviors of butadiene rubber reinforced with nano-sized calcium carbonate. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 478, 406-408 | 5.3 | 31 |
| 698 | WDM-PON system based on the laser light injected reflective semiconductor optical amplifier. <i>Optical Fiber Technology</i> , 2006 , 12, 162-169 | 2.4 | 31 |
| 697 | A study on NO removal of activated carbon fibers with deposited silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2005 , 282, 124-7 | 9.3 | 31 |
| 696 | Improvement of red mud polymer-matrix nanocomposites by red mud surface treatment. <i>Journal of Colloid and Interface Science</i> , 2005 , 284, 204-9 | 9.3 | 31 |
| 695 | Green preparation and characterization of graphene oxide/carbon nanotubes-loaded carboxymethyl cellulose nanocomposites. <i>Scientific Reports</i> , 2018 , 8, 17601 | 4.9 | 31 |
| 694 | Electrospun composite nanofibers of polyacrylonitrile and Ag ₂ CO ₃ nanoparticles for visible light photocatalysis and antibacterial applications. <i>Journal of Materials Science</i> , 2015 , 50, 4477-4485 | 4.3 | 30 |
| 693 | Fracture toughness and surface morphology of polysulfone-modified epoxy resin. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 25, 9-11 | 6.3 | 30 |
| 692 | Nanoflower-like NiCo ₂ O ₄ grown on biomass carbon coated nickel foam for asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155270 | 5.7 | 30 |
| 691 | Tuning ratios of KOH and NaOH on acetic acid-mediated chitosan-based porous carbons for improving their textural features and CO ₂ uptakes. <i>Journal of CO₂ Utilization</i> , 2020 , 40, 101212 | 7.6 | 30 |
| 690 | Deformation of Single Crystals, Polycrystalline Materials, and Thin Films: A Review. <i>Materials</i> , 2019 , 12, | 3.5 | 30 |
| 689 | Preparation and characterization of maleimide/polystyrene/SiO ₂ /Al ₂ O ₃ hybrid nanocomposites by an in situ sol-gel process and its antimicrobial activity. <i>Composites Part B: Engineering</i> , 2015 , 75, 167-175 | 10 | 30 |
| 688 | Preparation and electrochemical properties of composite polymer electrolytes containing 1-ethyl-3-methylimidazolium tetrafluoroborate salts. <i>Electrochimica Acta</i> , 2009 , 54, 3775-3780 | 6.7 | 30 |
| 687 | Oxidation behavior of IG and NBG nuclear graphites. <i>Nuclear Engineering and Design</i> , 2011 , 241, 82-87 | 1.8 | 30 |
| 686 | A study on rheological behavior of MWCNTs/epoxy composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 337-339 | 6.3 | 30 |
| 685 | Preparation and characterization of poly(vinyl alcohol) nanofiber mats crosslinked with blocked isocyanate prepolymer. <i>Polymer International</i> , 2010 , 59, 1683-1689 | 3.3 | 30 |
| 684 | Fracture toughness of difunctional epoxy resin/thermally latent initiator system modified with polyesters. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 564-567 | 6.3 | 30 |
| 683 | Trend of Carbon Fiber-reinforced Composites for Lightweight Vehicles. <i>Elastomers and Composites</i> , 2012 , 47, 65-74 | | 30 |

| | | | |
|-----|---|------|----|
| 682 | One-pot synthetic method to prepare highly N-doped nanoporous carbons for CO ₂ adsorption. <i>Materials Chemistry and Physics</i> , 2014 , 143, 1158-1163 | 4.4 | 29 |
| 681 | Application of cryomilling to enhance material properties of carbon nanotube reinforced chitosan nanocomposites. <i>Composites Part B: Engineering</i> , 2013 , 50, 127-134 | 10 | 29 |
| 680 | Electrochemical properties of polyaniline composite electrodes prepared by in-situ polymerization in titanium dioxide dispersed aqueous solution. <i>Synthetic Metals</i> , 2012 , 162, 695-701 | 3.6 | 29 |
| 679 | Influence of electro-beam irradiation on PTC/NTC behaviors of carbon blacks/HDPE conducting polymer composites. <i>Current Applied Physics</i> , 2011 , 11, 428-433 | 2.6 | 29 |
| 678 | Colour-tunable spiral photonic actuators. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1956 | | 29 |
| 677 | Effects of cryomilling on the structures and hydrogen storage characteristics of multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 7850-7857 | 6.7 | 29 |
| 676 | Studies on surface energetics of glass fabrics in an unsaturated polyester matrix system: Effect of sizing treatment on glass fabrics. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 1439-1445 | 2.9 | 29 |
| 675 | Synthesis of high-silica-content mordenite with different SiO ₂ /Al ₂ O ₃ ratios by using benzene-1,2-diol as additives. <i>Materials Letters</i> , 2002 , 56, 24-29 | 3.3 | 29 |
| 674 | Photocatalytic Hydrogen Evolution via Water Splitting: A Short Review. <i>Catalysts</i> , 2018 , 8, 655 | 4 | 29 |
| 673 | Polyaniline Enriched Flexible Carbon Nanofibers with CoreShell Structure for High-Performance Wearable Supercapacitors. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700855 | 4.6 | 28 |
| 672 | Silica-coated multi-walled carbon nanotubes impregnated with polyethyleneimine for carbon dioxide capture under the flue gas condition. <i>Journal of Solid State Chemistry</i> , 2015 , 226, 17-23 | 3.3 | 28 |
| 671 | . <i>Nano-Micro Letters</i> , 2014 , 6, 89-107 | 19.5 | 28 |
| 670 | Influence of atmospheric fluorine plasma treatment on thermal and dielectric properties of polyimide film. <i>Journal of Colloid and Interface Science</i> , 2009 , 332, 246-50 | 9.3 | 28 |
| 669 | Influence of crystallinity on ion conductivity of PEO-based solid electrolytes for lithium batteries. <i>Macromolecular Research</i> , 2010 , 18, 336-340 | 1.9 | 28 |
| 668 | Effect of solvents on high aspect ratio polyamide-6 nanofibers via electrospinning. <i>Macromolecular Research</i> , 2010 , 18, 759-765 | 1.9 | 28 |
| 667 | Bending fracture and acoustic emission studies on carbon/carbon composites: effect of sizing treatment on carbon fibres. <i>Journal of Materials Science</i> , 1998 , 33, 647-651 | 4.3 | 28 |
| 666 | A study on pore-opening behaviors of graphite nanofibers by a chemical activation process. <i>Journal of Colloid and Interface Science</i> , 2007 , 306, 454-8 | 9.3 | 28 |
| 665 | Relationship between surface characteristics and interlaminar shear strength of oxyfluorinated carbon fibers in a composite system. <i>Journal of Colloid and Interface Science</i> , 2003 , 268, 127-32 | 9.3 | 28 |

| | | | |
|-----|--|-----|----|
| 664 | Highly Efficient Visible Blue-Emitting Black Phosphorus Quantum Dot: Mussel-Inspired Surface Functionalization for Bioapplications. <i>ACS Omega</i> , 2017 , 2, 7096-7105 | 3.9 | 27 |
| 663 | Carbon-Filled Organic Phase-Change Materials for Thermal Energy Storage: A Review. <i>Molecules</i> , 2019 , 24, | 4.8 | 27 |
| 662 | Processing and characterization of PMMA/PI composites reinforced with surface functionalized hexagonal boron nitride. <i>Applied Surface Science</i> , 2017 , 415, 49-54 | 6.7 | 27 |
| 661 | Preparation and characterization of ordered porous carbons for increasing hydrogen storage behaviors. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2655-2660 | 3.3 | 27 |
| 660 | Stabilization of Liquid Crystal-in-Water Dispersion with Polymer/Surfactant Mixture: Nematic Curvilinear Aligned Phase Composite Film. <i>Journal of Colloid and Interface Science</i> , 1998 , 197, 119-25 | 9.3 | 27 |
| 659 | A simple method for the preparation of activated carbon fibers coated with graphite nanofibers. <i>Journal of Colloid and Interface Science</i> , 2007 , 315, 791-4 | 9.3 | 27 |
| 658 | Electrical signal effect on electrochemical activities of metal catalysts electrically deposited on carbon nanotubes. <i>Electrochimica Acta</i> , 2008 , 53, 4082-4088 | 6.7 | 27 |
| 657 | Thermal properties and fracture toughness of epoxy resins cured by phosphonium and pyrazinium salts as latent cationic initiators. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 2393-2403 | 2.5 | 27 |
| 656 | Influence of atmospheric plasma on physicochemical properties of vapor-grown graphite nanofibers. <i>Journal of Colloid and Interface Science</i> , 2005 , 285, 306-13 | 9.3 | 27 |
| 655 | Studies on the Surface Free Energy of Carbon-Carbon Composites: Effect of Filler Addition on the ILSS of Composites. <i>Journal of Colloid and Interface Science</i> , 2000 , 226, 60-64 | 9.3 | 27 |
| 654 | H ₂ O ₂ /steam activation as an eco-friendly and efficient top-down approach to enhancing porosity on carbonaceous materials: the effect of inevitable oxygen functionalities on CO ₂ capture. <i>Green Chemistry</i> , 2018 , 20, 5224-5234 | 10 | 27 |
| 653 | Maximizing volumetric energy density of all-graphene-oxide-supercapacitors and their potential applications for energy harvest. <i>Journal of Power Sources</i> , 2017 , 346, 113-119 | 8.9 | 26 |
| 652 | Graphitic Carbon Nitride Materials for Photocatalytic Hydrogen Production via Water Splitting: A Short Review. <i>Catalysts</i> , 2019 , 9, 805 | 4 | 26 |
| 651 | Highlighting the relative effects of surface characteristics and porosity on CO ₂ capture by adsorbents templated from melamine-based polyaminals. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 573-581 | 3.3 | 26 |
| 650 | Three-dimensionally assembled manganese oxide ultrathin nanowires: Prospective electrode material for asymmetric supercapacitors. <i>Energy</i> , 2019 , 188, 116066 | 7.9 | 26 |
| 649 | Electrochemical performance of graphene/carbon electrode contained well-balanced micro- and mesopores by activation-free method. <i>Electrochimica Acta</i> , 2012 , 65, 50-56 | 6.7 | 26 |
| 648 | A study on thermal conductivity of electroless NiB plated multi-walled carbon nanotubes-reinforced composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3421-3424 | 6.3 | 26 |
| 647 | Effects of nickel coating thickness on electric properties of nickel/carbon hybrid fibers. <i>Surface and Coatings Technology</i> , 2011 , 205, 3416-3421 | 4.4 | 26 |

| | | | |
|-----|---|------|----|
| 646 | Effect of nanosize titanium oxide on electrochemical characteristics of activated carbon electrodes. <i>Current Applied Physics</i> , 2010 , 10, 391-394 | 2.6 | 26 |
| 645 | Investigation of seawater effects on the mechanical properties of untreated and treated MMT-based glass fiber/vinylester composites. <i>Ocean Engineering</i> , 2015 , 108, 393-401 | 3.9 | 25 |
| 644 | Microporous carbons derived from melamine and isophthalaldehyde: One-pot condensation and activation in a molten salt medium for efficient gas adsorption. <i>Scientific Reports</i> , 2018 , 8, 6092 | 4.9 | 25 |
| 643 | Fracture toughness and ductile characteristics of diglycidyl ether of bisphenol-A resins modified with biodegradable epoxidized linseed oil. <i>Composites Part B: Engineering</i> , 2017 , 131, 144-152 | 10 | 25 |
| 642 | Bridge effect of silver nanoparticles on electrochemical performance of graphite nanofiber/polyaniline for supercapacitor. <i>Synthetic Metals</i> , 2012 , 162, 2107-2111 | 3.6 | 25 |
| 641 | Effect of ozone treatment on Cr(VI) and Cu(II) adsorption behaviors of activated carbon fibers. <i>Carbon</i> , 2004 , 42, 1864-1867 | 10.4 | 25 |
| 640 | Synthesis and characterization of nitrogen-doped TiO ₂ coatings on reduced graphene oxide for enhancing the visible light photocatalytic activity. <i>Current Applied Physics</i> , 2018 , 18, 163-169 | 2.6 | 25 |
| 639 | Synergistic reinforcing of poly(lactic acid)-based systems by polybutylene succinate and nano-calcium carbonate. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 77-84 | 6.3 | 24 |
| 638 | In-situ modification of nanodiamonds by mercapto-terminated silane agent for enhancing the mechanical interfacial properties of nitrile butadiene rubber nanocomposites. <i>Polymer Composites</i> , 2018 , 39, 3472-3481 | 3 | 24 |
| 637 | Effect of carbonization temperature on electrical conductivity of carbon papers prepared from petroleum pitch-coated glass fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1040-1043 | 6.3 | 24 |
| 636 | Influence of nitrogen moieties on CO ₂ capture by polyaminal-based porous carbon. <i>Macromolecular Research</i> , 2017 , 25, 1035-1042 | 1.9 | 24 |
| 635 | Atmospheric pressure plasma treatment of polypropylene to improve the bonding strength of polypropylene/aluminum composites. <i>Composites Part B: Engineering</i> , 2013 , 45, 1282-1287 | 10 | 24 |
| 634 | Interlayer spacing effect of alkylammonium-modified montmorillonite on conducting and mechanical behaviors of polymer composite electrolytes. <i>Journal of Colloid and Interface Science</i> , 2009 , 332, 145-50 | 9.3 | 24 |
| 633 | Evaluation of the Distribution Function of Adsorption Site Energies Based on the Fermi-Dirac's Law in a Monolayer. <i>Journal of Colloid and Interface Science</i> , 1998 , 200, 46-51 | 9.3 | 24 |
| 632 | Midventricular peak systolic strain and Tei index of the right ventricle correlated with decreased right ventricular systolic function in patients with acute pulmonary thromboembolism. <i>International Journal of Cardiology</i> , 2008 , 125, 319-24 | 3.2 | 24 |
| 631 | Effect of poly(ethylene oxide) on the release behaviors of poly(epsilon-caprolactone) microcapsules containing erythromycin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 43, 238-44 | 6 | 24 |
| 630 | Physicochemical and mechanical interfacial properties of trifluoromethyl groups containing epoxy resin cured with amine. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 390, 240-245 | 5.3 | 24 |
| 629 | Synthesis and characterization of UV-curable acrylic resin containing fluorine groups. <i>Polymer International</i> , 2005 , 54, 705-709 | 3.3 | 24 |

| | | | |
|-----|---|------|----|
| 628 | Effect of Surface Modification on Impact Strength and Flexural Strength of Poly(lactic acid)/Silicon Carbide Nanocomposites. <i>Macromolecular Research</i> , 2018 , 26, 211-214 | 1.9 | 23 |
| 627 | The study of efficiency of Al ₂ O ₃ drop coated electrospun meta-aramid nanofibers as separating membrane in lithium-ion secondary batteries. <i>Materials Letters</i> , 2014 , 132, 384-388 | 3.3 | 23 |
| 626 | Effect of hydrothermal temperature on photocatalytic properties of TiO ₂ nanotubes. <i>Current Applied Physics</i> , 2014 , 14, 415-420 | 2.6 | 23 |
| 625 | Element and Processing. <i>Interface Science and Technology</i> , 2011 , 431-499 | 2.3 | 23 |
| 624 | Effect of nitrogen-containing groups on enhanced capacitive behaviors of multi-walled carbon nanotubes. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2184-2189 | 3.3 | 23 |
| 623 | Types of Composites. <i>Interface Science and Technology</i> , 2011 , 18, 501-629 | 2.3 | 23 |
| 622 | Preparation and electrochemical characteristics of mesoporous carbon spheres for supercapacitors. <i>Materials Research Bulletin</i> , 2010 , 45, 10-14 | 5.1 | 23 |
| 621 | Preparation and electrochemical behaviors of platinum nanoparticles impregnated on binary carbon supports as catalyst electrodes of direct methanol fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 821-828 | 2.6 | 23 |
| 620 | Preparation and structural characterization of activated carbons based on polymeric resin. <i>Journal of Colloid and Interface Science</i> , 2002 , 250, 196-200 | 9.3 | 23 |
| 619 | Effect of surface oxyfluorination on the dyeability of polyethylene film. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 190-5 | 9.3 | 23 |
| 618 | Synthesis and characterization of a novel silicon-containing epoxy resin. <i>Macromolecular Research</i> , 2005 , 13, 8-13 | 1.9 | 23 |
| 617 | Synthesis of a Novel Phosphorus-containing Flame Retardant for Epoxy Resins. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 2643-2646 | 1.2 | 23 |
| 616 | Hydrogen Adsorption of Acid-treated Multi-walled Carbon Nanotubes at Low Temperature. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1596-1600 | 1.2 | 23 |
| 615 | 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 |
| 614 | 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 |
| 613 | 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 |
| 612 | Environment friendly, transparent nanofiber textiles consolidated with high efficiency PLEDs for wearable electronics. <i>Organic Electronics</i> , 2016 , 36, 89-96 | 3.5 | 22 |
| 611 | 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 |

| | | | |
|-----|--|-----|----|
| 610 | Preparation and characterization of eggshell membrane/PVA hydrogel via electron beam irradiation technique. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 41-45 | 6.3 | 22 |
| 609 | Carbon dioxide adsorption performance of ultramicroporous carbon derived from poly(vinylidene fluoride). <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 106, 147-151 | 6 | 22 |
| 608 | Influence of silver-decorated multi-walled carbon nanotubes on electrochemical performance of polyaniline-based electrodes. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2724-2730 | 3.3 | 22 |
| 607 | Preparation of nanoporous carbons from graphite nanofibres. <i>Nanotechnology</i> , 2006 , 17, 4395-4398 | 3.4 | 22 |
| 606 | Release behaviors of porous poly(butylene succinate)/poly(epsilon-caprolactone) microcapsules containing indomethacin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 47, 211-5 | 6 | 22 |
| 605 | Influence of fluorination on surface and dielectric characteristics of polyimide thin film. <i>Journal of Colloid and Interface Science</i> , 2005 , 282, 238-40 | 9.3 | 22 |
| 604 | Electrochemical Behaviors of PAN/Ag-based Carbon Nanofibers by Electrospinning. <i>Bulletin of the Korean Chemical Society</i> , 2008 , 29, 777-781 | 1.2 | 22 |
| 603 | An overview of new oxidation methods for polyacrylonitrile-based carbon fibers. <i>Carbon Letters</i> , 2015 , 16, 11-18 | 2.3 | 22 |
| 602 | Influence of Nitrogen moieties on CO ₂ capture of Carbon Aerogel. <i>Carbon Letters</i> , 2015 , 16, 57-61 | 2.3 | 22 |
| 601 | 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 |
| 600 | Preparation and characterization of chlorinated cross-linked chitosan/cotton knit for biomedical applications. <i>Macromolecular Research</i> , 2013 , 21, 1241-1246 | 1.9 | 21 |
| 599 | Synthesis of zeolite-casted microporous carbons and their hydrogen storage capacity. <i>Journal of Colloid and Interface Science</i> , 2012 , 384, 116-20 | 9.3 | 21 |
| 598 | A study on high electrochemical capacitance of ion exchange resin-based activated carbons for supercapacitor. <i>Current Applied Physics</i> , 2012 , 12, 1039-1044 | 2.6 | 21 |
| 597 | Effect of Ni catalyst dispersion on the growth of carbon nanofibers onto carbon fibers. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 26-31 | 5.3 | 21 |
| 596 | Effects of carbonyl group formation on ammonia adsorption of porous carbon surfaces. <i>Journal of Colloid and Interface Science</i> , 2007 , 311, 311-4 | 9.3 | 21 |
| 595 | Capacitance behaviors of Polyaniline/Graphene Nanosheet Composites Prepared by Aniline Chemical Polymerization. <i>Carbon Letters</i> , 2013 , 14, 51-54 | 2.3 | 21 |
| 594 | 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 |
| 593 | 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 |

| | | | |
|-----|--|------|----|
| 592 | A study on optimal pore range for high pressure hydrogen storage behaviors by porous hard carbon materials prepared from a polymeric precursor. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 5894-5902 | 6.7 | 20 |
| 591 | Preparation and characterization of chitosan-based nanofibers by ecofriendly electrospinning. <i>Materials Letters</i> , 2014 , 132, 23-26 | 3.3 | 20 |
| 590 | Effect of coupling agents on thermal, flow, and adhesion properties of epoxy/silica compounds for capillary underfill applications. <i>Powder Technology</i> , 2012 , 230, 145-150 | 5.2 | 20 |
| 589 | Electrocatalytic properties of graphite nanofibers-supported platinum catalysts for direct methanol fuel cells. <i>Journal of Colloid and Interface Science</i> , 2009 , 337, 300-3 | 9.3 | 20 |
| 588 | Influence of CO ₂ activation on hydrogen storage behaviors of platinum-loaded activated carbon nanotubes. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2951-2956 | 3.3 | 20 |
| 587 | Effect of annealing temperature on electrochemical characteristics of ruthenium oxide/multi-walled carbon nanotube composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 167, 65-69 | 3.1 | 20 |
| 586 | Influence of thermal treatment of nano-scaled silica on interfacial adhesion properties of the silica/rubber compounding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 398, 137-141 | 5.3 | 20 |
| 585 | Cure and reaction kinetics of an anhydride-cured epoxy resin catalyzed by N-benzylpyrazinium salts using near-infrared spectroscopy. <i>Polymer Engineering and Science</i> , 2000 , 40, 2569-2576 | 2.3 | 20 |
| 584 | A Study of Atmospheric Plasma Treatment on Surface Energetics of Carbon Fibers. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 335-338 | 1.2 | 20 |
| 583 | Bridge effect of carbon nanotubes on the electrical properties of expanded graphite/poly(ethylene terephthalate) nanocomposites. <i>Carbon Letters</i> , 2012 , 13, 51-55 | 2.3 | 20 |
| 582 | 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 |
| 581 | Thermal and Mechanical Interfacial Behaviors of Graphene Oxide-Reinforced Epoxy Composites Cured by Thermal Latent Catalyst. <i>Materials</i> , 2019 , 12, | 3.5 | 19 |
| 580 | 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 |
| 579 | Influence of electroless nickel-plating on fracture toughness of pitch-based carbon fibre reinforced composites. <i>Composites Part B: Engineering</i> , 2015 , 76, 286-291 | 10 | 19 |
| 578 | 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 |
| 577 | Eco-friendly one-pot synthesis of gold decorated reduced graphene oxide using beer as a reducing agent. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4327-4331 | 6.3 | 19 |
| 576 | Characterization of nanoporous SiC fiber complex prepared by electrospinning and carbothermal reduction. <i>Research on Chemical Intermediates</i> , 2010 , 36, 731-742 | 2.8 | 19 |
| 575 | Effect of oxidation inhibitor on the low energy tribological behavior of carbon/carbon composites. <i>Carbon</i> , 2002 , 40, 835-843 | 10.4 | 19 |

| | | | |
|-----|---|------|----|
| 574 | Studies on the mechanical and mechanical interfacial properties of carbon-carbon composites impregnated with an oxidation inhibitor. <i>Carbon</i> , 2003 , 41, 2991-3002 | 10.4 | 19 |
| 573 | Effect of fluorine plasma treatment on PMMA and their application to passive optical waveguides. <i>Journal of Colloid and Interface Science</i> , 2003 , 258, 424-6 | 9.3 | 19 |
| 572 | Oxidation behaviors of metallic copper particles in NO reduction mechanism of copper/activated carbons. <i>Journal of Colloid and Interface Science</i> , 2005 , 292, 493-7 | 9.3 | 19 |
| 571 | 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 |
| 570 | 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 |
| 569 | Polyhydroxyalkanoates (PHAs): Biopolymers for Biofuel and Biorefineries. <i>Polymers</i> , 2021 , 13, | 4.5 | 19 |
| 568 | Effect of silica removal and steam activation on extra-porous activated carbons from rice husks for methane storage. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22377-22384 | 6.7 | 19 |
| 567 | 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 |
| 566 | 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 |
| 565 | Preparation and characterization of polyacrylonitrile-based carbon fiber papers. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3440-3445 | 6.3 | 18 |
| 564 | Preparation and characterization of pitch-based nanoporous carbons for improving CO ₂ capture. <i>Journal of Solid State Chemistry</i> , 2014 , 215, 201-205 | 3.3 | 18 |
| 563 | Effects of CO ₂ activation on electrochemical performance of microporous carbons derived from poly(vinylidene fluoride). <i>Journal of Solid State Chemistry</i> , 2013 , 207, 158-162 | 3.3 | 18 |
| 562 | Fibers spun from 1,4-cyclohexanedimethanol-modified polyethylene terephthalate resin. <i>Journal of Industrial and Engineering Chemistry</i> , 2011 , 17, 805-810 | 6.3 | 18 |
| 561 | Effect of chemical treatments on hydrogen storage behaviors of multi-walled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2010 , 124, 1011-1014 | 4.4 | 18 |
| 560 | Preparation and characterization of carbon-related materials supports for catalysts of direct methanol fuel cells. <i>Current Applied Physics</i> , 2010 , 10, 1142-1147 | 2.6 | 18 |
| 559 | Physicochemical characterization of self-assembled poly(ϵ -caprolactone) grafted dextran nanoparticles. <i>Colloid and Polymer Science</i> , 2008 , 286, 517-524 | 2.4 | 18 |
| 558 | Thermophysical Properties of Multi-Walled Carbon Nanotube-Reinforced Polypropylene Composites. <i>International Journal of Thermophysics</i> , 2006 , 27, 152-160 | 2.1 | 18 |
| 557 | Rheological and mechanical properties of epoxy/polyurethane blends initiated by N-benzylpyrazinium hexafluoroantimonate salt. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 3841-3848 | 2.6 | 18 |

| | | | |
|-----|--|-----|----|
| 556 | Influence of copper content on NO removal of the activated carbon fibers produced by electroplating. <i>Journal of Colloid and Interface Science</i> , 2003 , 264, 39-42 | 9.3 | 18 |
| 555 | Characterization of the impact properties of three-dimensional glass fabric-reinforced vinyl ester matrix composites. <i>Journal of Materials Science</i> , 2000 , 35, 6151-6154 | 4.3 | 18 |
| 554 | A Study on Electrical and Thermal Properties of Polyimide/MWNT Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 2279-2282 | 1.2 | 18 |
| 553 | Hydrogen storage capacity of highly porous carbons synthesized from biomass-derived aerogels. <i>Carbon Letters</i> , 2015 , 16, 127-131 | 2.3 | 18 |
| 552 | Atmospheric chemical vapor deposition of graphene on molybdenum foil at different growth temperatures. <i>Carbon Letters</i> , 2016 , 18, 37-42 | 2.3 | 18 |
| 551 | Fracture toughness improvement of poly(lactic acid) with silicon carbide whiskers. <i>Macromolecular Research</i> , 2016 , 24, 961-964 | 1.9 | 18 |
| 550 | One-pot synthesis of Ag ₃ PO ₄ /MoS ₂ nanocomposite with highly efficient photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5521-5527 | 6.8 | 17 |
| 549 | Cure behaviors and thermal stabilities of tetrafunctional epoxy resin toughened by polyamideimide. <i>Macromolecular Research</i> , 2015 , 23, 320-324 | 1.9 | 17 |
| 548 | 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 |
| 547 | Electrospun salicylic acid/polyurethane composite nanofibers for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 739-744 | 3 | 17 |
| 546 | Altering the structure and properties of iron oxide nanoparticles and graphene oxide/iron oxide composites by urea. <i>Applied Surface Science</i> , 2016 , 364, 686-693 | 6.7 | 17 |
| 545 | Influence of electron-beam irradiation on thermal stabilization process of polyacrylonitrile fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1875-1878 | 6.3 | 17 |
| 544 | Combined effect of corona discharge and enzymatic treatment on the mechanical and surface properties of wool. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 179-183 | 6.3 | 17 |
| 543 | Roles of Ni/CNTs hybridization on rheological and mechanical properties of CNTs/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4953-4957 | 5.3 | 17 |
| 542 | Intermolecular Force. <i>Interface Science and Technology</i> , 2011 , 1-57 | 2.3 | 17 |
| 541 | Influence of enhanced dispersity of chemically treated MWNTs on physical properties of MWNTs/PVDF films. <i>Macromolecular Research</i> , 2010 , 18, 981-985 | 1.9 | 17 |
| 540 | A study of atmospheric-pressure CHF ₃ /Ar plasma treatment on dielectric characteristics of polyimide films. <i>Journal of Colloid and Interface Science</i> , 2008 , 319, 365-9 | 9.3 | 17 |
| 539 | Roles of interfaces between carbon fibers and epoxy matrix on interlaminar fracture toughness of composites. <i>Composite Interfaces</i> , 2006 , 13, 249-267 | 2.3 | 17 |

| | | | |
|-----|---|-----|----|
| 538 | An Evolution Scenario of a Broadband Access Network Using R-SOA-Based WDM-PON Technologies. <i>Journal of Lightwave Technology</i> , 2007 , 25, 3479-3487 | 4 | 17 |
| 537 | Surface treatment of montmorillonite on the thermal stabilities of bisphenol-A diglycidyl dimethacrylate nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 435-436, 429-433 | 5.3 | 17 |
| 536 | Thermal and mechanical interfacial properties of the DGEBA/PMR-15 blend system. <i>Journal of Colloid and Interface Science</i> , 2004 , 270, 288-94 | 9.3 | 17 |
| 535 | Studies on PAN-based carbon fibers irradiated by Ar ⁺ ion beams. <i>Journal of Colloid and Interface Science</i> , 2003 , 261, 393-8 | 9.3 | 17 |
| 534 | Effect of plasma treatment of aluminum on the bonding characteristics of aluminum- \square FRP composite joints. <i>Journal of Adhesion Science and Technology</i> , 2002 , 16, 1487-1500 | 2 | 17 |
| 533 | CO ₂ Adsorption of Amine Functionalized Activated Carbons. <i>Carbon Letters</i> , 2009 , 10, 221-224 | 2.3 | 17 |
| 532 | A review: synthesis and applications of graphene/chitosan nanocomposites. <i>Carbon Letters</i> , 2016 , 17, 11-17 | 2.3 | 17 |
| 531 | Influence du traitement électrochimique sur les propriétés de surface des fibres de carbone : caractérisation acido-basique et enthalpie d'adsorption. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1994 , 91, 203-222 | | 17 |
| 530 | Fabrication of PdS/ZnS NPs doped PVAc hybrid electrospun nanofibers: Effective and reusable catalyst for dye photodegradation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 298-302 | 6.3 | 16 |
| 529 | A study of reduced graphene oxide/leaf-shaped TiO ₂ nanofibers for enhanced photocatalytic performance via electrospinning. <i>Journal of Solid State Chemistry</i> , 2018 , 266, 196-204 | 3.3 | 16 |
| 528 | Effect of growth of graphite nanofibers on superhydrophobic and electrochemical properties of carbon fibers. <i>Materials Chemistry and Physics</i> , 2012 , 132, 324-329 | 4.4 | 16 |
| 527 | Mechanical and optical properties of electrospun nylon-6,6 nanofiber reinforced cyclic butylene terephthalate composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 55, 35-39 | 6.3 | 16 |
| 526 | Role of the p21-activated kinases (PAKs) in influenza A virus replication. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 414, 569-74 | 3.4 | 16 |
| 525 | Effect of substituted trifluoromethyl groups on thermal and mechanical properties of fluorine-containing epoxy resin. <i>Macromolecular Research</i> , 2009 , 17, 870-873 | 1.9 | 16 |
| 524 | In vitro bioactivity of sol-gel-derived hydroxyapatite particulate nanofiber modified titanium. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 685-94 | 4.5 | 16 |
| 523 | Adsorption Behaviors of Chromium(III) and (VI) on Electroless Cu-Plated Activated Carbon Fibers. <i>Journal of Colloid and Interface Science</i> , 2001 , 243, 316-320 | 9.3 | 16 |
| 522 | Effect of crystallinity on the electrochemical properties of carbon black electrodes. <i>Carbon Letters</i> , 2011 , 12, 252-255 | 2.3 | 16 |
| 521 | Effect of chemically reduced graphene oxide on epoxy nanocomposites for flexural behaviors. <i>Carbon Letters</i> , 2014 , 15, 67-70 | 2.3 | 16 |

| | | | |
|-----|--|-----|----|
| 520 | Effects of maleic anhydride content on mechanical properties of carbon fibers-reinforced maleic anhydride-grafted-poly-propylene matrix composites. <i>Carbon Letters</i> , 2016 , 20, 39-46 | 2.3 | 16 |
| 519 | Precursors and Manufacturing of Carbon Fibers. <i>Springer Series in Materials Science</i> , 2015 , 31-66 | 0.9 | 16 |
| 518 | 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 |
| 517 | Preparation and characterization of sucrose-based microporous carbons for increasing hydrogen storage. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 28, 32-36 | 6.3 | 15 |
| 516 | PAN electrospun nanofibers reinforced with Ag ₂ CO ₃ nanoparticles: Highly efficient visible light photocatalyst for photodegradation of organic contaminants in waste water. <i>Macromolecular Research</i> , 2015 , 23, 149-155 | 1.9 | 15 |
| 515 | 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 |
| 514 | Effect of p-type multi-walled carbon nanotubes for improving hydrogen storage behaviors. <i>Journal of Solid State Chemistry</i> , 2014 , 210, 256-260 | 3.3 | 15 |
| 513 | Antimicrobial characteristics of N-halaminated chitosan salt/cotton knit composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1476-1480 | 6.3 | 15 |
| 512 | Carbon quantum dots incorporated keratin/polyvinyl alcohol hydrogels: Preparation and photoluminescent assessment. <i>Materials Letters</i> , 2017 , 207, 57-61 | 3.3 | 15 |
| 511 | Influence of orientation on ordered microstructure of PAN-based fibers during electron beam irradiation stabilization. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 120-122 | 6.3 | 15 |
| 510 | Influence of amine-grafted multi-walled carbon nanotubes on physical and rheological properties of PMMA-based nanocomposites. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 3021-3027 | 3.3 | 15 |
| 509 | Self-Assembled Columnar Structures of Swallow-Shaped Tetrathiafulvalene-Based Molecules. <i>Chemistry of Materials</i> , 2009 , 21, 3838-3847 | 9.6 | 15 |
| 508 | Hybrid WDM/TDMA-PON Using Self-Homodyne and Differential Coding. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 465-467 | 2.2 | 15 |
| 507 | Characterization and release behaviors of porous PCL/Eudragit RS microcapsules containing tulobuterol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 404-9 | 6 | 15 |
| 506 | Effect of fluorine functional groups on surface and mechanical interfacial properties of epoxy resins. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 184-189 | 2.1 | 15 |
| 505 | Effect of acid-base interaction between silica and fragrant oil in the PCL/PEG microcapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 38, 35-40 | 6 | 15 |
| 504 | Effect of Alkyl Groups of Latent Cationic Catalysts on Cure and Dynamic Mechanical Behaviors of Epoxy Resins. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1134-1139 | 2.6 | 15 |
| 503 | Synthesis and Electrochemical Performance of Polypyrrole-Coated Iron Oxide/Carbon Nanotube Composites. <i>Carbon Letters</i> , 2012 , 13, 157-160 | 2.3 | 15 |

| | | | |
|-----|--|------|----|
| 502 | 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 |
| 501 | Single-step solid-state synthesis and characterization of $\text{Li}_4\text{Ti}_5\text{Fe}_x\text{O}_{12}$ (0 ≤ x ≤ 1) as an anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2627-2636 | 13 | 15 |
| 500 | The Effects of Cryomilling CNTs on the Thermal and Electrical Properties of CNT/PMMA Composites. <i>Polymers</i> , 2016 , 8, | 4.5 | 15 |
| 499 | Biocompatible and photoluminescent keratin/poly(vinyl alcohol)/carbon quantum dot nanofiber: A novel multipurpose electrospun mat. <i>Macromolecular Research</i> , 2016 , 24, 924-930 | 1.9 | 15 |
| 498 | 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 |
| 497 | Preparation and electrocatalytic oxidation performance of Pt/MnO ₂ /graphene oxide nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 26, 265-269 | 6.3 | 14 |
| 496 | Water-mediated modulation of TiO ₂ decorated with graphene for photocatalytic degradation of trichloroethylene. <i>Current Applied Physics</i> , 2015 , 15, 144-148 | 2.6 | 14 |
| 495 | Preparation and Electrochemistry of Platinum Nanoparticles Deposited on Ionic-Liquid-Decorated Reduced Graphene Oxide with an Enhanced Methanol Catalytic Activity. <i>Journal of the Electrochemical Society</i> , 2014 , 161, F641-F648 | 3.9 | 14 |
| 494 | Effect of incorporation of multiwalled carbon nanotubes on photodegradation efficiency of mesoporous anatase TiO ₂ spheres. <i>Materials Chemistry and Physics</i> , 2017 , 186, 261-270 | 4.4 | 14 |
| 493 | Hydrogen storage behaviors of Ni-doped graphene Oxide/MIL-101 hybrid composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 443-7 | 1.3 | 14 |
| 492 | Influence of GMA grafted MWNTs on physical and rheological properties of PMMA-based nanocomposites by in situ polymerization. <i>Macromolecular Research</i> , 2011 , 19, 14-20 | 1.9 | 14 |
| 491 | Synthesis of polyacrylonitrile based nanoparticles via aqueous dispersion polymerization. <i>Macromolecular Research</i> , 2009 , 17, 817-820 | 1.9 | 14 |
| 490 | Chemical Surface Treatment for Highly Improved Dispersibility of Multi-Walled Carbon Nanotubes in Water. <i>Journal of Dispersion Science and Technology</i> , 2008 , 29, 426-430 | 1.5 | 14 |
| 489 | Influence of molybdenum disilicide filler on carbon/carbon composites. <i>Carbon</i> , 1999 , 37, 1685-1689 | 10.4 | 14 |
| 488 | Removal of NO over Copper Supported on Activated Carbon Prepared by Electroless Plating. <i>Journal of Colloid and Interface Science</i> , 1999 , 217, 142-145 | 9.3 | 14 |
| 487 | Influence of Anodic Surface Treatment of Activated Carbon on Adsorption and Ion Exchange Properties. <i>Journal of Colloid and Interface Science</i> , 1999 , 218, 331-334 | 9.3 | 14 |
| 486 | Effect of Fluorine Group on Electro-optical Properties of PDLC Films Prepared with Water-soluble Polymers. <i>Bulletin of the Korean Chemical Society</i> , 2008 , 29, 2521-2524 | 1.2 | 14 |
| 485 | Elemental Mercury Adsorption Behaviors of Chemically Modified Activated Carbons. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 1321-1326 | 1.2 | 14 |

| | | | |
|-----|--|------|----|
| 484 | The effects of stacking sequence on the penetration-resistant behaviors of T800 carbon fiber composite plates under low-velocity impact loading. <i>Carbon Letters</i> , 2015 , 16, 107-115 | 2.3 | 14 |
| 483 | A comparative study on nanoinclusion 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 |
| 482 | 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 |
| 481 | Effect of Modification by Polydopamine and Polymeric Carbon Nitride on Methanol Oxidation Ability of Pt Catalysts-Supported on Reduced Graphene Oxide. <i>Journal of the Electrochemical Society</i> , 2016 , 163, F668-F676 | 3.9 | 14 |
| 480 | Effect of chemical treatments on lithium recovery process of activated carbons. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 329-333 | 6.3 | 13 |
| 479 | Preparation of polyethylene oxide composite electrolytes containing imidazolium cation salt-attached titanium oxides and their conducting behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 352-359 | 6.3 | 13 |
| 478 | Activated Carbon/MnO ₂ Composites as Electrode for High Performance Supercapacitors. <i>Catalysts</i> , 2020 , 10, 256 | 4 | 13 |
| 477 | Preparation and gas-sensing properties of pitch-based carbon fiber prepared using a melt-electrospinning method. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2571-2581 | 2.8 | 13 |
| 476 | Relation of micropores/mesopore ratio on high electrochemical performance of nano-porous carbons. <i>Journal of Power Sources</i> , 2013 , 244, 792-798 | 8.9 | 13 |
| 475 | Fabrication and characterization of flower-like BiOI/Pt heterostructure with enhanced photocatalytic activity under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2017 , 253, 421-429 ^{3.3} | 3.3 | 13 |
| 474 | Synthesis of microporous carbon nanotubes by templating method and their high electrochemical performance. <i>Electrochimica Acta</i> , 2012 , 78, 147-153 | 6.7 | 13 |
| 473 | Preparation of MnO nanofibers by novel hydrothermal treatment of manganese acetate/PVA electrospun nanofiber mats. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 162, 205-208 | 3.1 | 13 |
| 472 | Silver Nanofibres by a Novel Electrospinning Process: Nanofibres with Plasmon Resonance in the IR Region and Thermal Hysteresis Electrical Conductivity Features. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 1481-1488 | 2.3 | 13 |
| 471 | Thermal and mechanical properties of diglycidylether of bisphenol A/ trimethylolpropane triglycidylether epoxy blends cured with benzylpyrazinium salts. <i>Polymer International</i> , 2002 , 51, 386-392 ^{3.3} | 3.3 | 13 |
| 470 | Effect of Ar ⁺ ion beam irradiation on the physicochemical characteristics of carbon fibers. <i>Carbon</i> , 2003 , 41, 592-594 | 10.4 | 13 |
| 469 | Effect of oxygen plasma treatment on the release behaviors of poly(epsilon-caprolactone) microcapsules containing tocopherol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 43, 138-42 | 6 | 13 |
| 468 | Scanning tunnelling microscopy study of activated carbon fibres. <i>Journal of Materials Science</i> , 1993 , 28, 2950-2954 | 4.3 | 13 |
| 467 | Effects of Graphenes/CNTs Co-reinforcement on Electrical and Mechanical Properties of HDPE Matrix Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 2261-2264 | 1.2 | 13 |

| | | | |
|-----|---|-----|----|
| 466 | A review: role of interfacial adhesion between carbon blacks and elastomeric materials. <i>Carbon Letters</i> , 2016 , 18, 1-10 | 2.3 | 13 |
| 465 | 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 |
| 464 | Preparation and characterization of carbon black/pitch-based carbon fiber paper composites for gas diffusion layers. <i>Composites Part B: Engineering</i> , 2019 , 159, 362-368 | 10 | 13 |
| 463 | 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 |
| 462 | Synthesis and comparison of different spinel ferrites and their catalytic activity during chemical vapor deposition of polymorphic nanocarbons. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2017 , 4, 441-451 | 3.8 | 12 |
| 461 | Li ion adsorption behaviors of Ni-loaded LiMn oxide composites. <i>RSC Advances</i> , 2014 , 4, 21899 | 3.7 | 12 |
| 460 | Interactive effects of pore size control and carbonization temperatures on supercapacitive behaviors of porous carbon/carbon nanotube composites. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 307-12 | 9.3 | 12 |
| 459 | Influence of N-doped TiO ₂ on lithium ion conductivity of porous polymeric electrolyte membrane containing LiClO ₄ . <i>Solid State Ionics</i> , 2012 , 212, 18-25 | 3.3 | 12 |
| 458 | Influence of KOH-activated graphite nanofibers on the electrochemical behavior of PtRu nanoparticle catalysts for fuel cells. <i>Journal of Solid State Chemistry</i> , 2013 , 199, 258-263 | 3.3 | 12 |
| 457 | Effect of surface modification of mesoporous carbon supports on the electrochemical activity of fuel cells. <i>Journal of Colloid and Interface Science</i> , 2013 , 405, 150-6 | 9.3 | 12 |
| 456 | Elemental mercury vapor adsorption of copper-coated porous carbonaceous materials. <i>Microporous and Mesoporous Materials</i> , 2012 , 163, 270-275 | 5.3 | 12 |
| 455 | Effects of functional grafting on viscoelastic and toughness behaviors of multi-walled carbon nanotubes-reinforced polypropylene nano-composites. <i>Macromolecular Research</i> , 2012 , 20, 540-543 | 1.9 | 12 |
| 454 | Effect of silver doped MWCNTs on the electrical properties of conductive MWCNTs/PMMA thin films. <i>Synthetic Metals</i> , 2010 , 160, 123-126 | 3.6 | 12 |
| 453 | Phase behaviors and structures of a symmetrically tapered biphenylamide. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5843-54 | 3.4 | 12 |
| 452 | Carbon Fiber-Reinforced Polymer Composites: Preparation, Properties, and Applications 2012 , 135-183 | | 12 |
| 451 | An experimental study on the effect of mesoporous silica addition on ion conductivity of poly(ethylene oxide) electrolytes. <i>Current Applied Physics</i> , 2008 , 8, 729-731 | 2.6 | 12 |
| 450 | Effect of the substituted benzene group on thermal and mechanical properties of epoxy resins initiated by cationic latent catalysts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 2419-2429 | 2.6 | 12 |
| 449 | Experimental investigation on the compressive characteristics of multi-directional graphite/epoxy composites under hydrostatic pressure environment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 360, 1-6 | 5.3 | 12 |

| | | | |
|-----|---|-----|----|
| 448 | Treatment of CFRP by IAR method and its effect on the fracture behavior of adhesive bonded CFRP/aluminum composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 357, 270-276 | 5.3 | 12 |
| 447 | Anodic Surface Treatment on Activated Carbons for Removal of Chromium(VI). <i>Journal of Colloid and Interface Science</i> , 2001 , 239, 380-384 | 9.3 | 12 |
| 446 | The effect of electrochemical surface treatments of carbon fibers using scanning tunneling microscopy. <i>Polymers for Advanced Technologies</i> , 1994 , 5, 395-399 | 3.2 | 12 |
| 445 | Fabrication and Capacitance of Co ₃ O ₄ -Graphene Nanocomposites Electrode Prepared by Pulse Microwave-assisted Reduction Methods. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 4247-4250 | 1.2 | 12 |
| 444 | Influence of phosphoric acid treatment on hydrogen adsorption behaviors of activated carbons. <i>Carbon Letters</i> , 2011 , 12, 112-115 | 2.3 | 12 |
| 443 | Effect of microporosity on nitrogen-doped microporous carbons for electrode of supercapacitor. <i>Carbon Letters</i> , 2014 , 15, 210-213 | 2.3 | 12 |
| 442 | A review on MXenes: new-generation 2D materials for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 5672-5693 | 5.8 | 12 |
| 441 | Influence of mesopore distribution on photocatalytic behaviors of anatase TiO ₂ spherical nanostructures. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 41, 33-39 | 6.3 | 12 |
| 440 | Effect of Triblock Copolymer on Carbon-Based Boron Nitride Whiskers for Efficient CO Adsorption. <i>Polymers</i> , 2019 , 11, | 4.5 | 11 |
| 439 | A study on the effect of electron acceptor-donor interactions on the mechanical and interfacial properties of carbon black/natural rubber composites. <i>Composites Part B: Engineering</i> , 2018 , 136, 143-148 ¹⁰ | 1.0 | 11 |
| 438 | Enhanced effect of dopant on polyaniline nanofiber based electrorheological response. <i>Materials Chemistry and Physics</i> , 2014 , 147, 843-849 | 4.4 | 11 |
| 437 | Influence of H ₂ O ₂ treatment on electrochemical activity of mesoporous carbon-supported PtRu catalysts. <i>Energy</i> , 2014 , 66, 70-76 | 7.9 | 11 |
| 436 | Facile stabilization process of polyacrylonitrile-based electrospun nanofibers by spraying 1% hydrogen peroxide and electron beam irradiation. <i>Materials Letters</i> , 2014 , 123, 59-61 | 3.3 | 11 |
| 435 | Influence of carbon nanofibers on electrochemical properties of carbon nanofibers/glass fibers composites. <i>Current Applied Physics</i> , 2013 , 13, 640-644 | 2.6 | 11 |
| 434 | Synthesis and electrochemical performance of well-balanced mesopore/micropore contained carbons by activation-free method. <i>Electrochemistry Communications</i> , 2012 , 22, 89-92 | 5.1 | 11 |
| 433 | Effects of structure of heat-treated pitch precursors on electrochemical properties of pitch-based activated carbons. <i>Powder Technology</i> , 2013 , 239, 94-97 | 5.2 | 11 |
| 432 | Solid-Solid Interfaces. <i>Interface Science and Technology</i> , 2011 , 253-331 | 2.3 | 11 |
| 431 | A study on physicochemical properties of epoxy coating system for nuclear power plants. <i>Nuclear Engineering and Design</i> , 2006 , 236, 931-937 | 1.8 | 11 |

| | | | |
|-----|---|------|----|
| 430 | Effect of strain rate on the compressive properties of graphite/epoxy composite in a submarine environment. <i>Composites Part B: Engineering</i> , 2006 , 37, 21-25 | 10 | 11 |
| 429 | KOH activation and characterization of glass fibers-supported phenolic resin. <i>Journal of Colloid and Interface Science</i> , 2003 , 265, 245-50 | 9.3 | 11 |
| 428 | 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 |
| 427 | Influence of Amine Grafting on Carbon Dioxide Adsorption Behaviors of Activated Carbons. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 3377-3381 | 1.2 | 11 |
| 426 | Thermal Stability and Fracture Toughness of Epoxy Resins Modified with Epoxidized Castor Oil and Al ₂ O ₃ Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 2513-2516 | 1.2 | 11 |
| 425 | Electrochemical Performance of Activated Carbons/Mn ₃ O ₄ -Carbon Blacks for Supercapacitor Electrodes. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 2343-2347 | 1.2 | 11 |
| 424 | Effect of Activation Temperature on CO ₂ Capture Behaviors of Resorcinol-based Carbon Aerogels. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 57-61 | 1.2 | 11 |
| 423 | Hydrogen Storage Behaviors of Carbon Nanotubes/Metal-organic Frameworks-5 Hybrid Composites. <i>Carbon Letters</i> , 2009 , 10, 19-22 | 2.3 | 11 |
| 422 | KOH-activated graphite nanofibers as CO ₂ adsorbents. <i>Carbon Letters</i> , 2016 , 19, 99-103 | 2.3 | 11 |
| 421 | 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 |
| 420 | A Role of Activators for Efficient CO Affinity on Polyacrylonitrile-Based Porous Carbon Materials. <i>Frontiers in Chemistry</i> , 2020 , 8, 710 | 5 | 11 |
| 419 | 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 |
| 418 | Effect of Ozone Treatment on Fracture Toughness of Single-Walled Carbon Nanotubes-Reinforced Epoxy Resin Initiated by a Thermal Latent Catalyst. <i>Macromolecular Research</i> , 2018 , 26, 1048-1051 | 1.9 | 11 |
| 417 | Facile, soot free approach toward synthesis of carbon nanoropes via chemical vapor deposition of acetylene in the presence of MnFe ₂ O ₄ coated on stainless steel. <i>Applied Surface Science</i> , 2015 , 359, 797-804 | 6.7 | 10 |
| 416 | Synthesis and thermal properties of urethane-containing epoxy resin. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 24, 20-23 | 6.3 | 10 |
| 415 | Improvement of hydrophilic properties of electrospun polyamide-imide fibrous mats by atmospheric-pressure plasma treatment. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 78, 53-58 | 3.9 | 10 |
| 414 | 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 |
| 413 | Transfer-free chemical vapor deposition of graphene on silicon substrate at atmospheric pressure: A sacrificial catalyst. <i>Thin Solid Films</i> , 2018 , 657, 55-60 | 2.2 | 10 |

| | | | |
|-----|--|-----|----|
| 412 | Pitch coating of SiC and its effects on the thermal stability and oxidation resistance of SiC/epoxy composites. <i>Composites Part B: Engineering</i> , 2016 , 94, 218-223 | 10 | 10 |
| 411 | Preparation and electrochemical analysis of graphene nanosheets/nickel hydroxide composite electrodes containing carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 36, 139-148 | 6.3 | 10 |
| 410 | 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 |
| 409 | 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 |
| 408 | Silver-coated graphene electrode produced by electrolytic deposition for electrochemical behaviors. <i>Current Applied Physics</i> , 2014 , 14, 1212-1215 | 2.6 | 10 |
| 407 | Facile synthesis of nitrogen-enriched mesoporous carbon for carbon dioxide capture. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 12347-12352 | 6.7 | 10 |
| 406 | Preparation and characterization of nickel-coated carbon nanofibers produced from the electrosinching of polyamideimide precursor. <i>Macromolecular Research</i> , 2012 , 20, 503-507 | 1.9 | 10 |
| 405 | Gender specific effect of major dietary patterns on the metabolic syndrome risk in Korean pre-pubertal children. <i>Nutrition Research and Practice</i> , 2013 , 7, 139-45 | 2.1 | 10 |
| 404 | Effect of monomer concentration on interfacial synthesis of platinum loaded polyaniline nanocomplex using poly(styrene sulfonic acid). <i>Synthetic Metals</i> , 2011 , 161, 2446-2450 | 3.6 | 10 |
| 403 | Effect of growth of carbon nanofibers on the electrical conductivity of carbon fibers. <i>Macromolecular Research</i> , 2011 , 19, 209-211 | 1.9 | 10 |
| 402 | Columnar structures from asymmetrically tapered biphenylamide. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13499-508 | 3.4 | 10 |
| 401 | Effects of silane modification and temperature on tensile and fractural behaviors of carbon nanotube/epoxy nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 275-80 | 1.3 | 10 |
| 400 | Catalytic activity of electrically deposited platinum nanoparticle catalysts on graphite nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 220-223 | 5.1 | 10 |
| 399 | Growth of multiwalled carbon nanotubes from acetylene over in situ formed Co nanoparticles on MgO support. <i>Solid State Communications</i> , 2006 , 139, 102-107 | 1.6 | 10 |
| 398 | Preparation and Characterization of Activated Carbon/Cu Catalyst by Electroless Copper Plating for Removal of NO. <i>Journal of Porous Materials</i> , 2004 , 11, 15-19 | 2.4 | 10 |
| 397 | Studies on Surface Free Energy of an Anhydride-Epoxy Cured System: Effect of Side Alkenyl Chain Length of Hardener on Tensile and Impact Properties. <i>Journal of Colloid and Interface Science</i> , 2000 , 228, 90-94 | 9.3 | 10 |
| 396 | Dispersive Stabilization of Liquid Crystal-in-Water with Acrylamide Copolymer/Surfactant Mixture: Nematic Curvilinear Aligned Phase Composite Film. <i>Journal of Colloid and Interface Science</i> , 1999 , 219, 178-183 | 9.3 | 10 |
| 395 | 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 |

| | | | |
|-----|---|-----|----|
| 394 | Present Status and Applications of Carbon Fibers-reinforced Composites for Aircrafts. <i>Carbon Letters</i> , 2010 , 11, 235-242 | 2.3 | 10 |
| 393 | Electrochemical synthesis of nanosized hydroxyapatite/graphene composite powder. <i>Carbon Letters</i> , 2015 , 16, 233-240 | 2.3 | 10 |
| 392 | 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 |
| 391 | 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 |
| 390 | Nanostructured multifunctional electrocatalysts for efficient energy conversion systems: Recent perspectives. <i>Nanotechnology Reviews</i> , 2021 , 10, 137-157 | 6.3 | 10 |
| 389 | Modeling of tensile strength in polymer particulate nanocomposites based on material and interphase properties. <i>Journal of Applied Polymer Science</i> , 2017 , 134, | 2.9 | 9 |
| 388 | Inverse Gas Chromatography Study on London Dispersive Surface Free Energy and Electron Acceptor/Donor of Fluconazole Drug. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2090-2094 | 2.8 | 9 |
| 387 | 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 |
| 386 | 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 |
| 385 | Mesopore-Rich Activated Carbons for Electrical Double-Layer Capacitors by Optimal Activation Condition. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 9 |
| 384 | Synthesis and characterization of photocatalytic and antibacterial PAN/Ag ₂ CO ₃ composite nanofibers by ion exchange method. <i>Fibers and Polymers</i> , 2015 , 16, 1336-1342 | 2 | 9 |
| 383 | Effect of manganese dioxide on supercapacitive behaviors of petroleum pitch-based carbons. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 29, 408-413 | 6.3 | 9 |
| 382 | Enhanced dispersion of boron nitride nanosheets in aqueous media by using bile acid-based surfactants. <i>Materials Research Express</i> , 2018 , 5, 015036 | 1.7 | 9 |
| 381 | Physico-mechanical and fire properties of polyurethane/melamine-formaldehyde interpenetrating polymer network foams. <i>Macromolecular Research</i> , 2016 , 24, 773-776 | 1.9 | 9 |
| 380 | Highly Aligned Poly(vinylidene fluoride-co-hexafluoro propylene) Nanofibers via Electrospinning Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 595-600 | 1.3 | 9 |
| 379 | Enhancement of superhydrophobicity and conductivity of carbon nanofibers-coated glass fabrics. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1672-1676 | 6.3 | 9 |
| 378 | Roles of nitric acid treatment on PtRu catalyst supported on graphite nanofibers and their methanol electro-oxidation behaviors. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 16468-16473 | 6.7 | 9 |
| 377 | Carbon Fibers and Their Composites. <i>Springer Series in Materials Science</i> , 2015 , 275-317 | 0.9 | 9 |

| | | | |
|-----|--|-----|---|
| 376 | Therapeutic effect of irradiation of magnetic infrared laser on osteoarthritis rat model. <i>Photochemistry and Photobiology</i> , 2014 , 90, 1150-9 | 3.6 | 9 |
| 375 | Synthesis of ditrimethylolpropane acrylate with low functionality for UV-curable coatings. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1577-1581 | 6.3 | 9 |
| 374 | Influence of oxygen-functional groups on carbon replicas for hydrogen adsorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 694-697 | 1.6 | 9 |
| 373 | Anodization of carbon fibers on interfacial mechanical properties of epoxy matrix composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 117-21 | 1.3 | 9 |
| 372 | Selective particle distribution and mechanical properties of nano-CaCO ₃ /ethylene-propylene-diene terpolymer/polypropylene composites with high content of nano-CaCO ₃ . <i>Journal of Applied Polymer Science</i> , 2009 , 113, 2485-2491 | 2.9 | 9 |
| 371 | Influence of oxyfluorination on physicochemical characteristics of carbon fibers and their reinforced epoxy composites. <i>Macromolecular Research</i> , 2009 , 17, 430-435 | 1.9 | 9 |
| 370 | Influence of dispersion of multi-walled carbon nanotubes on the electrochemical performance of PEDOT/PSS films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 204-209 | 3.1 | 9 |
| 369 | Solid-Liquid Interface. <i>Interface Science and Technology</i> , 2011 , 147-252 | 2.3 | 9 |
| 368 | Fracture and adhesion behaviors of epoxy resins modified with poly(amine-quinone). <i>Polymer International</i> , 2006 , 55, 1265-1269 | 3.3 | 9 |
| 367 | Influence of hydrophobe on the release behavior of vinyl acetate miniemulsion polymerization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 46, 52-6 | 6 | 9 |
| 366 | Graphitization of Carbon/Carbon Nanocomposites Produced in One Impregnation Step. <i>Journal of Materials Science Letters</i> , 1999 , 18, 373-375 | | 9 |
| 365 | Investigation of Narrow Pore Size Distribution on Carbon Dioxide Capture of Nanoporous Carbons. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3749-3754 | 1.2 | 9 |
| 364 | Preparation and Characterization of Polypropylene Non-woven Fabrics Prepared by Melt-blown Spinning for Filtration Membranes. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 1901-1903 | 1.2 | 9 |
| 363 | Effect of Heat Treatment on CO ₂ Adsorption of Ammonized Graphite Nanofibers. <i>Carbon Letters</i> , 2010 , 11, 34-37 | 2.3 | 9 |
| 362 | Influence of Surface Treatment of Multi-walled Carbon Nanotubes on Interfacial Interaction of Nanocomposites. <i>Carbon Letters</i> , 2010 , 11, 102-106 | 2.3 | 9 |
| 361 | 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 |
| 360 | 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 |
| 359 | 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 |

| | | | |
|-----|--|------|---|
| 358 | Effect of Mercapto-Terminated Silane Treatment on Rheological and Mechanical Properties of Rice Bran Carbon-Reinforced Nitrile Butadiene Rubber Composites. <i>Macromolecular Research</i> , 2018 , 26, 446-453 | 1.9 | 8 |
| 357 | Antimicrobial activity of electrospun polyurethane nanofibers containing composite materials. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 855-860 | 2.8 | 8 |
| 356 | Influence of pH condition on colloidal suspension of exfoliated graphene oxide by electrostatic repulsion. <i>Journal of Solid State Chemistry</i> , 2012 , 186, 99-103 | 3.3 | 8 |
| 355 | Influence of 1-D silica nanotubes as drug adsorbent on release behaviors of tulobuterol-loaded porous microcapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 92, 240-5 | 6 | 8 |
| 354 | Solid-Gas Interaction. <i>Interface Science and Technology</i> , 2011 , 59-145 | 2.3 | 8 |
| 353 | Influence of multi-walled carbon nanotubes on electrochemical performance of transparent graphene electrodes. <i>Materials Research Bulletin</i> , 2011 , 46, 1301-1306 | 5.1 | 8 |
| 352 | Embolotherapy for pulmonary arteriovenous malformations in patients without hereditary hemorrhagic telangiectasia. <i>Korean Journal of Radiology</i> , 2010 , 11, 312-9 | 6.9 | 8 |
| 351 | Studies on cure behaviors, dielectric characteristics and mechanical properties of DGEBA/poly(ethylene terephthalate) blends. <i>Macromolecular Research</i> , 2009 , 17, 585-590 | 1.9 | 8 |
| 350 | Composite Characterization. <i>Interface Science and Technology</i> , 2011 , 18, 631-738 | 2.3 | 8 |
| 349 | Preparation and characterization of water-soluble microcapsule for sustained drug release using Eudragit RS 100. <i>Macromolecular Research</i> , 2010 , 18, 1191-1194 | 1.9 | 8 |
| 348 | Electrical double-layer capacitor performance of nitrogen-doped ordered mesoporous carbon prepared by nanotemplating method. <i>Research on Chemical Intermediates</i> , 2010 , 36, 703-713 | 2.8 | 8 |
| 347 | Etch characteristics of CoZrNb and CoTb magnetic thin films in a high density plasma. <i>Physica Status Solidi A</i> , 2004 , 201, 1644-1647 | | 8 |
| 346 | Investigation on surface treatments of CFRP and aluminum to improve fracture toughness of adhesively-bonded CFRP/aluminum joints. <i>Journal of Adhesion Science and Technology</i> , 2003 , 17, 1619-1634 | 2.34 | 8 |
| 345 | Preparation and Characterization of PAN-based Superfined Carbon Fibers for Carbon-paper Applications. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 3733-3737 | 1.2 | 8 |
| 344 | Influence of Glycidyl Methacrylate Grafted Multi-walled Carbon Nanotubes on Viscoelastic Behaviors of Polypropylene Nanocomposites. <i>Carbon Letters</i> , 2010 , 11, 311-315 | 2.3 | 8 |
| 343 | Improvement of Superhydrophobicity of Multi-Walled Carbon Nanotubes Produced by Fluorination. <i>Carbon Letters</i> , 2012 , 13, 178-181 | 2.3 | 8 |
| 342 | A novel drying process for oil adsorption of expanded graphite. <i>Carbon Letters</i> , 2013 , 14, 193-195 | 2.3 | 8 |
| 341 | Facile preparation of self-assembled wool-based graphene hydrogels by electron beam irradiation. <i>Carbon Letters</i> , 2014 , 15, 136-141 | 2.3 | 8 |

| | | | |
|-----|--|-----|---|
| 340 | Preparation and characterization of chemically activated carbon materials for CO ₂ capture. <i>Carbon Letters</i> , 2016 , 17, 85-89 | 2.3 | 8 |
| 339 | 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 |
| 338 | Dyeing of electrospun nylon 6 nanofibers with reactive dyes using electron beam irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 39, 16-20 | 6.3 | 8 |
| 337 | Comparison studies on pore development mechanisms of activated hard carbons from polymeric resins and their applications for electrode materials. <i>Renewable Energy</i> , 2019 , 144, 116-122 | 8.1 | 8 |
| 336 | Oxidation resistance of graphene-coated molybdenum: Effects of pre-washing and hydrogen flow rate. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017 , 65, 29-33 | 4.1 | 7 |
| 335 | Preparation and Characterization of Polyamides and Nitrogen-doped Carbons for Enhanced CO ₂ Capture. <i>Bulletin of the Korean Chemical Society</i> , 2017 , 38, 1285-1292 | 1.2 | 7 |
| 334 | Preparation and characterization of graphite/thermosetting composites. <i>Bulletin of Materials Science</i> , 2019 , 42, 1 | 1.7 | 7 |
| 333 | 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 |
| 332 | Effect of MoO ₃ on mechanical interfacial behavior and anti-oxidation of carbon fibers-reinforced composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 29-32 | 6.3 | 7 |
| 331 | Hydrogen Storage Behaviors of Porous Carbons Derived from Poly(vinylidene fluoride). <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 8075-8080 | 1.3 | 7 |
| 330 | Synthesis, characterization, and photocatalytic performances of electrospun cadmium titanate nanofibers immobilized into the reduced graphene oxide sheets. <i>Materials Letters</i> , 2018 , 228, 365-368 | 3.3 | 7 |
| 329 | Enhanced electrical properties of electrospun nylon66 nanofibers containing carbon nanotube fillers and Ag nanoparticles. <i>Fibers and Polymers</i> , 2014 , 15, 918-923 | 2 | 7 |
| 328 | Synthesis of poly(glycolide-caprolactone) copolymers for application as bioabsorbable suture materials. <i>Macromolecular Research</i> , 2013 , 21, 687-692 | 1.9 | 7 |
| 327 | Influence of carbon shell structure on electrochemical performance of multi-walled carbon nanotube electrodes. <i>Analytica Chimica Acta</i> , 2013 , 788, 17-23 | 6.6 | 7 |
| 326 | Morphology control and high electrochemical performance of flower-like N-enriched porous carbons for supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 687, 18-24 | 4.1 | 7 |
| 325 | Preparation and characteristic of platinum catalyst deposited on boron-doped carbon nanotubes. <i>Current Applied Physics</i> , 2012 , 12, 1248-1251 | 2.6 | 7 |
| 324 | Preparation and electrochemical behaviors of styrene-acrylonitrile-based porous carbon electrodes. <i>Electrochimica Acta</i> , 2013 , 113, 23-28 | 6.7 | 7 |
| 323 | Synthesis of Graphene Nanosheets via Thermal Exfoliation of Pretreated Graphite at Low Temperature. <i>Advanced Materials Research</i> , 2010 , 123-125, 787-790 | 0.5 | 7 |

| | | | |
|-----|---|------|---|
| 322 | Thermomechanical properties of graphite nanofibers/poly(methyl methacrylate) composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 508, 28-32 | 5.3 | 7 |
| 321 | Preparation and characterization of mesoporous carbon-supported Pt nanocatalyst and its stability under strong acidic solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 167-170 | 5.1 | 7 |
| 320 | Effect of side-chain length of succinic anhydride on coefficient of thermal expansion behavior of epoxy resins. <i>Polymer International</i> , 2006 , 55, 1289-1295 | 3.3 | 7 |
| 319 | Cationic cure of epoxy resin initiated by methylanilinium salts as a latent thermal initiator. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 2397-2406 | 2.6 | 7 |
| 318 | Preparation of Cu catalyst on activated carbons by electroless plating and their adsorption properties. <i>Journal of Materials Science Letters</i> , 1999 , 18, 1607-1609 | | 7 |
| 317 | Effect of electrochemical treatment on pull-out properties of 73/27 HBA/HNA copolyester fibers in thermosetting matrix. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 15-21 | 2.9 | 7 |
| 316 | 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 |
| 315 | Effect of O ₂ Plasma Treatments of Carbon Supports on Pt-Ru Electrocatalysts. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 331-334 | 1.2 | 7 |
| 314 | Synthesis of Silver-doped Silica-complex Nanoparticles for Antibacterial Materials. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 2979-2984 | 1.2 | 7 |
| 313 | Nuclear Graphites (I) : Oxidation Behaviors. <i>Carbon Letters</i> , 2009 , 10, 239-249 | 2.3 | 7 |
| 312 | High Strength Electrospun Nanofiber Mats via CNT Reinforcement: A Review. <i>Composites Research</i> , 2016 , 29, 186-193 | | 7 |
| 311 | 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 |
| 310 | 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 |
| 309 | 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 |
| 308 | 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 |
| 307 | Effect of Halide Impregnation on Elemental Mercury Removal of Activated Carbons. <i>Bulletin of the Korean Chemical Society</i> , 2017 , 38, 191-195 | 1.2 | 6 |
| 306 | 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 |
| 305 | Characterization of Pullulan/Chitosan Oligosaccharide/Montmorillonite Nanofibers Prepared by Electrospinning Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6486-93 | 1.3 | 6 |

| | | | |
|-----|---|-----|---|
| 304 | One-Pot Synthesis of Ag-TiO ₂ /Nitrogen-Doped Graphene Oxide Nanocomposites and Its Photocatalytic Degradation of Methylene Blue. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 6075-6080 | 1.3 | 6 |
| 303 | Electrospun Ag-CoF doped PU nanofibers: Effective visible light catalyst for photodegradation of organic dyes. <i>Macromolecular Research</i> , 2014 , 22, 895-900 | 1.9 | 6 |
| 302 | Production of Pt nanoparticles-supported chelating group-modified graphene for direct methanol fuel cells. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2509-2517 | 2.8 | 6 |
| 301 | Synthesis, characterization, and KOH activation of nanoporous carbon for increasing CO ₂ adsorption capacity. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2535-2542 | 2.8 | 6 |
| 300 | Effect of addition of 1-butyl-3-methylimidazolium thiocyanate on conductivity of Na-containing polymer electrolyte. <i>Research on Chemical Intermediates</i> , 2017 , 43, 5403-5411 | 2.8 | 6 |
| 299 | High electrochemical performance of carbon black-bonded carbon nanotubes for electrode materials. <i>Materials Research Bulletin</i> , 2012 , 47, 4146-4150 | 5.1 | 6 |
| 298 | Effect of fluorine/oxygen mixed gas treated graphite fibers on electrochemical behaviors of platinum/ruthenium nanoparticles toward methanol oxidation. <i>Journal of Fluorine Chemistry</i> , 2012 , 144, 124-129 | 2.1 | 6 |
| 297 | A study on copyrolysis and heating value of wood chip composites as cogeneration plant fuel. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 2024-2027 | 6.3 | 6 |
| 296 | Effect of nano-silica spheres template on CO ₂ capture of exchange resin-based nanoporous carbons. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 401-4 | 1.3 | 6 |
| 295 | Polymer nanofiber-templated fabrication and characterization of gallium oxide nanofibers consisting of granular nanoparticles. <i>Polymer International</i> , 2011 , 60, 322-326 | 3.3 | 6 |
| 294 | Substitution effects of methyl and trifluoromethyl groups on the physicochemical properties of epoxy resins. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1860-1864 | 2.9 | 6 |
| 293 | NO removal of Ni-electroplated activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 585-7 | 9.3 | 6 |
| 292 | Cu(II) Adsorption of Activated Carbon Fibers Produced by Radiation-Induced Graft Polymerization. <i>Journal of Porous Materials</i> , 2005 , 12, 41-46 | 2.4 | 6 |
| 291 | Delamination characteristics of multi-directional carbon fiber/epoxy composites under high pressure. <i>Polymer Composites</i> , 2001 , 22, 793-802 | 3 | 6 |
| 290 | Relationship between viscoelastic properties and gelation in the epoxy/phenol-novolac blend system with N-benzylpyrazinium salt as a latent thermal catalyst. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 2299-2308 | 2.9 | 6 |
| 289 | Surface energy characterization of modified carbon blacks and its relationship to composites tearing properties. <i>Journal of Adhesion Science and Technology</i> , 2001 , 15, 1443-1452 | 2 | 6 |
| 288 | 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 |
| 287 | Toxic Gas Removal Behaviors of Porous Carbons in the Presence of Ag/Ni Bimetallic Clusters. <i>Bulletin of the Korean Chemical Society</i> , 2008 , 29, 782-784 | 1.2 | 6 |

| | | | |
|-----|--|-----|---|
| 286 | Conjugate Spun of Polyethylene Terephthalate Resin Modified with 1,4-Cyclohexanedimethanol. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 541-546 | 1.2 | 6 |
| 285 | Preparation and Characterization of Highly Conductive Nickel-coated Glass Fibers. <i>Carbon Letters</i> , 2008 , 9, 105-107 | 2.3 | 6 |
| 284 | Thermal Insulation Properties of Epoxy/Mesoporous Carbon Composites. <i>Carbon Letters</i> , 2011 , 12, 53-56. | 2.3 | 6 |
| 283 | A review of elemental mercury removal processing. <i>Carbon Letters</i> , 2011 , 12, 121-130 | 2.3 | 6 |
| 282 | Effect of potassium permanganate pretreatment of pitch on the textural properties of pitch-based activated carbons. <i>Carbon Letters</i> , 2011 , 12, 167-170 | 2.3 | 6 |
| 281 | Fiber surface and electrical conductivity of electroless Ni-plated PET ultra-fine fibers. <i>Carbon Letters</i> , 2013 , 14, 243-246 | 2.3 | 6 |
| 280 | Influence of oxidative atmosphere of the electron beam irradiation on cyclization of PAN-based fibers. <i>Carbon Letters</i> , 2015 , 16, 219-221 | 2.3 | 6 |
| 279 | Effect of nickel on hydrogen storage behaviors of carbon aerogel hybrid. <i>Carbon Letters</i> , 2015 , 16, 281-285 | 2.3 | 6 |
| 278 | Effects of heat treatment time on aromatic yield of pyrolysis fuel oil-derived pitches. <i>Carbon Letters</i> , 2016 , 19, 104-106 | 2.3 | 6 |
| 277 | Effect of hydrostatic pressure on the mechanical behavior of seawater-absorbed carbon/epoxy composite 2004 , 384, 308-308 | | 6 |
| 276 | 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 |
| 275 | 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 |
| 274 | DNA Protection and Antioxidant Potential of Chestnut Shell Extracts. <i>Journal of Food Biochemistry</i> , 2016 , 40, 20-30 | 3.3 | 6 |
| 273 | 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 |
| 272 | 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 |
| 271 | Effect of urethane functionality and number of epoxide groups on cure and mechanical behaviors of epoxy resins. <i>Macromolecular Research</i> , 2015 , 23, 134-138 | 1.9 | 5 |
| 270 | Electrical Properties of Conductive Nylon66/Graphene Oxide Composite Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 5718-22 | 1.3 | 5 |
| 269 | Role of microporosity of carbon produced from rice husks on electrochemical performance of PtRu catalyst for direct methanol fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 244-250 | 6.3 | 5 |

| | | | |
|-----|--|------|---|
| 268 | 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 |
| 267 | 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 |
| 266 | Influence of Oxyfluorination on Geometrical Pull-Out Behavior of Carbon-Fiber-Reinforced Epoxy Matrix Composites. <i>Macromolecular Research</i> , 2018 , 26, 794-799 | 1.9 | 5 |
| 265 | One-Pot Synthesis of Reduced Graphene Oxide/Anatase Titanium Dioxide Composites for Photocatalytic Degradation of Methylene Blue. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 6173-6179 | 1.3 | 5 |
| 264 | Synthesis and application of a polymeric intumescent flame retardant for cotton fabric. <i>Bulletin of Materials Science</i> , 2019 , 42, 1 | 1.7 | 5 |
| 263 | Pitch-Derived Activated Carbon Fibers for Emission Control of Low-Concentration Hydrocarbon. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 5 |
| 262 | An experimental investigation on the conductive behavior of carbon nanotube-reinforced natural polymer nanocomposites. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2487-2493 | 2.8 | 5 |
| 261 | Synthesis and characterization of electrospun cadmium sulfide- and lead sulfide-blended poly(vinyl acetate) composite nanofibers. <i>Materials Science in Semiconductor Processing</i> , 2014 , 26, 575-582 | 4.3 | 5 |
| 260 | Effects of oxyfluorination on surface and mechanical properties of carbon fiber-reinforced polarized-polypropylene matrix composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 9097-1102 | 1.3 | 5 |
| 259 | Synthesis and three dimensional pattern finishing properties of blocked isocyanate prepolymers. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 792-799 | 6.3 | 5 |
| 258 | Rheological properties and fracture toughness of epoxy resin/multi-walled carbon nanotube composites. <i>Polymer Engineering and Science</i> , 2015 , 55, 2676-2682 | 2.3 | 5 |
| 257 | Facile fabrication of Poly(vinyl alcohol)/Silica composites for removal of Hg(II) from water. <i>Macromolecular Research</i> , 2015 , 23, 21-29 | 1.9 | 5 |
| 256 | Influence of carboxyl group formation on ammonia adsorption of NiO-templated nanoporous carbon surfaces. <i>Materials Chemistry and Physics</i> , 2012 , 137, 85-90 | 4.4 | 5 |
| 255 | Surface physical and chemical properties of atmospheric pressure plasma-treated polyamideimide fibrous mats using attenuated total reflection Fourier transform infrared imaging. <i>Carbohydrate Polymers</i> , 2012 , 88, 562-567 | 10.3 | 5 |
| 254 | Synthesis of nano-scale coated manganese oxide on graphite nanofibers and their high electrochemical performance. <i>Synthetic Metals</i> , 2011 , 161, 1966-1971 | 3.6 | 5 |
| 253 | Plasma Treatment and its Effects on the Tribological Behaviour of Basalt/Epoxy Woven Composites in a Marine Environment. <i>Polymers and Polymer Composites</i> , 2011 , 19, 29-34 | 0.8 | 5 |
| 252 | Synthesis of mesoporous anatase TiO ₂ nanotubes by a hydrothermal treatment and their use in solid-state dye-sensitized solar cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 4633-8 | 1.3 | 5 |
| 251 | Electrocatalytic performance of bimetallic platinum- ruthenium nanoclusters supported on graphite nanofibers. <i>Current Applied Physics</i> , 2010 , 10, 1009-1012 | 2.6 | 5 |

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|-----|---|-----|---|
| 250 | Fitting of kinetic parameters of NO reduction by CO in fibrous media using a genetic algorithm. <i>Computers and Chemical Engineering</i> , 2010 , 34, 485-490 | 4 | 5 |
| 249 | Thermal and Mechanical Properties of Epoxy/Polyurethane Blend System Initiated by Cationic Latent Thermal Catalyst. <i>Solid State Phenomena</i> , 2007 , 119, 215-218 | 0.4 | 5 |
| 248 | The Polarization Changing Speed of the Light Depolarized by a Simple Depolarizer. <i>Journal of Lightwave Technology</i> , 2007 , 25, 1848-1853 | 4 | 5 |
| 247 | Surface treatment of CFRP composites by Ar ⁺ irradiation to improve bonding strength between aluminum and CFRP composites. <i>Polymer Composites</i> , 2002 , 23, 1151-1161 | 3 | 5 |
| 246 | Viscoelastic behavior of anhydride-cured epoxy system initiated by thermal latent catalyst. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 646-653 | 2.9 | 5 |
| 245 | Effect of Lecithin on Dermal Safety of Nanoemulsion Prepared from Hydrogenated Lecithin and Silicone Oil. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 821-824 | 1.2 | 5 |
| 244 | A Study of the Optimum Pore Structure for Mercury Vapor Adsorption. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 1507-1510 | 1.2 | 5 |
| 243 | Synthesis of Polyacrylonitrile as Precursor for High-Performance Ultrafine Fibrils. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 407-414 | 1.2 | 5 |
| 242 | Effect of Cationic Initiator Content on Electron-beam Curing of Difunctional Epoxy Resin. <i>Journal of the Korean Chemical Society</i> , 2003 , 47, 250-256 | | 5 |
| 241 | Preparation and Characterization of Poly(amide imide)-based Carbon Nanofibers/Epoxy Nanocomposites. <i>Carbon Letters</i> , 2009 , 10, 329-334 | 2.3 | 5 |
| 240 | Electromagnetic Interference Shielding Effectiveness and Mechanical Properties of MWCNT-reinforced Polypropylene Nanocomposites. <i>Polymer</i> , 2012 , 36, 494-499 | 1 | 5 |
| 239 | A Study on Thermal Conductivity and Fracture Toughness of Alumina Nanofibers and Powders-filled Epoxy Matrix Composites. <i>Polymer</i> , 2013 , 37, 47-51 | 1 | 5 |
| 238 | Influence of Electroless Ni-plated MWCNTs on Thermal Conductivity and Fracture Toughness of MWCNTs/Al ₂ O ₃ /Epoxy Composites. <i>Polymer</i> , 2013 , 37, 449-454 | 1 | 5 |
| 237 | Surface Treatment and Sizing of Carbon Fibers. <i>Springer Series in Materials Science</i> , 2015 , 101-133 | 0.9 | 5 |
| 236 | 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 |
| 235 | Effects of Pore Structure on n-Butane Adsorption Characteristics of Polymer-Based Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 736-741 | 3.9 | 5 |
| 234 | Precursors and Manufacturing of Carbon Fibers. <i>Springer Series in Materials Science</i> , 2018 , 31-67 | 0.9 | 5 |
| 233 | 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 |

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|-----|--|------|---|
| 232 | Silver nanoparticles decorated Mn ₂ O ₃ hybrid nanofibers via electrospinning: Towards the development of new bactericides with synergistic effect. <i>Materials Chemistry and Physics</i> , 2017 , 189, 70-75 | 4.4 | 4 |
| 231 | 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, 1208-1217 | 14.7 | 4 |
| 230 | 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 |
| 229 | Post-annealing effects of electroless NiB-plated MWCNTs on thermal conductivity of epoxy-based composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 47-50 | 6.3 | 4 |
| 228 | Thermal and cure shrinkage behaviors of epoxy resins cured by thermal cationic catalysts. <i>Macromolecular Research</i> , 2015 , 23, 156-160 | 1.9 | 4 |
| 227 | Preparation and Characterizations of Rosin Based Thin Films and Fibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 4653-9 | 1.3 | 4 |
| 226 | Surface Treatment And Modification Of Graphene Using Organosilane And Its Thermal Stability. <i>Archives of Metallurgy and Materials</i> , 2015 , 60, 1387-1391 | | 4 |
| 225 | Investigating the effect of membrane layers on the cathode potential of air-cathode microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 24308-24318 | 6.7 | 4 |
| 224 | Synthesis of lithium-graphite nanotubes An in-situ CVD approach using organo-lithium as a precursor in the presence of copper. <i>Current Applied Physics</i> , 2015 , 15, 265-273 | 2.6 | 4 |
| 223 | A study of ion charge transfer on electrochemical behaviors of poly(vinylidene fluoride)-derived carbon electrodes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 98, 22-28 | 6 | 4 |
| 222 | Modeling of Fiber-Matrix Interface in Composite Materials. <i>Interface Science and Technology</i> , 2011 , 739-746 | 7.6 | 4 |
| 221 | Hydrogen Storage Behaviors of Ni-Loaded Activated Carbon Nanotubes. <i>Advanced Materials Research</i> , 2010 , 123-125, 695-698 | 0.5 | 4 |
| 220 | Reduction of Rayleigh Back-Scattering Noise Using RF Tone in RSOA Based Bidirectional Optical Link 2008 , | | 4 |
| 219 | Effect of maleylation on physicochemical properties of soybean glycinin. <i>Macromolecular Research</i> , 2007 , 15, 671-675 | 1.9 | 4 |
| 218 | Preparation and characterization of Pt-supported porous graphite nanofibers. <i>Current Applied Physics</i> , 2008 , 8, 736-738 | 2.6 | 4 |
| 217 | Fracture behavior of seawater-absorbed carbon/epoxy laminated composites in the hydrostatic pressure condition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 419, 209-213 | 5.3 | 4 |
| 216 | Studies on epoxy resins cured by cationic latent thermal catalyst at elevated temperature. <i>Polymer International</i> , 2004 , 53, 1617-1623 | 3.3 | 4 |
| 215 | Effects of irradiation and design basis accident conditions on thermal properties of epoxy coating system for nuclear power plant. <i>Nuclear Engineering and Design</i> , 2004 , 228, 47-54 | 1.8 | 4 |

| | | | |
|-----|---|-----|---|
| 214 | On the application of E-factor approach to determine compressive fracture toughness of fiber-reinforced composites under hydrostatic pressure environment. <i>Composites Science and Technology</i> , 2003 , 63, 829-837 | 8.6 | 4 |
| 213 | Recent Progress Using Solid-State Materials for Hydrogen Storage: A Short Review. <i>Processes</i> , 2022 , 10, 304 | 2.9 | 4 |
| 212 | Preparation and Characteristic of Carbon/Carbon Composites with Coal-tar and Petroleum Binder Pitches. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 406-412 | | 4 |
| 211 | Influence of Functionalization on Physicochemical Properties of Multi-walled Carbon Nanotubes/Epoxy Matrix Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 124-128 | 1.2 | 4 |
| 210 | Effect of Hydrogenated Lecithin on Cytotoxicity of Liposome. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 339-342 | 1.2 | 4 |
| 209 | Particle Dispersibility Improvement of Polyester Fibers with a New Line Injection. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 2637-2643 | 1.2 | 4 |
| 208 | Roles of Nickel Layer Deposition on Surface and Electric Properties of Carbon Fibers. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 1630-1634 | 1.2 | 4 |
| 207 | In-vitro and in-vivo Behaviors of Poly(glycolide-caprolactone) Copolymer for Bioabsorbable Suture Materials. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 4137-4140 | 1.2 | 4 |
| 206 | Surface Treatment of Multi-walled Carbon Nanotubes for Increasing Electric Double-layer Capacitance. <i>Journal of the Korean Chemical Society</i> , 2010 , 54, 93-98 | | 4 |
| 205 | Carbon Fibers (I): General Understanding and Manufacturing Techniques of Carbon Fibers. <i>Carbon Letters</i> , 2008 , 9, 218-231 | 2.3 | 4 |
| 204 | Carbon Fibers(III): Recent Technical and Patent Trends. <i>Carbon Letters</i> , 2009 , 10, 43-51 | 2.3 | 4 |
| 203 | Overlook of carbonaceous adsorbents and processing methods for elemental mercury removal. <i>Carbon Letters</i> , 2014 , 15, 238-246 | 2.3 | 4 |
| 202 | Effect of Anodic Oxidation of H ₂ SO ₄ /HNO ₃ Ratio for Improving Interfacial Adhesion between Carbon Fibers and Epoxy Matrix Resins. <i>Porrime</i> , 2013 , 37, 61-65 | 1 | 4 |
| 201 | Influence of KOH Activation on Electrochemical Performance of Coal Tar Pitch-based Activated Carbons for Supercapacitor. <i>Porrime</i> , 2012 , 36, 756-760 | 1 | 4 |
| 200 | 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 |
| 199 | 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 |
| 198 | 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 |
| 197 | Effect of Ionic Liquids on the Capacitance Behaviors of Activated Carbon Electrodes Against Organic Electrolytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9149-9152 | 1.3 | 4 |

| | | | |
|-----|--|------|---|
| 196 | Ultralong and Millimeter-Thick Graphene Oxide Supercapacitors with High Volumetric Capacitance. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8059-8069 | 6.1 | 4 |
| 195 | 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 |
| 194 | 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 |
| 193 | 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 |
| 192 | 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 |
| 191 | One-step coating of silica onto multi-walled carbon nanotubes using polyethyleneimine for high electrical resistivity. <i>Macromolecular Research</i> , 2015 , 23, 422-427 | 1.9 | 3 |
| 190 | A study on mechanical properties and microstructure of tetragonal zirconia-based composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 322-328 | 6.3 | 3 |
| 189 | Study on Ion-Conducting Properties of Ionic Liquid Containing Carbonate Electrolytes Against Carbon Electrode. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 2765-8 | 1.3 | 3 |
| 188 | Activated Carbons from Thermoplastic Precursors and Their Energy Storage Applications. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 3 |
| 187 | Electrochemical performance of N-enriched polyvinylpyrrolidone-based porous carbons. <i>Macromolecular Research</i> , 2014 , 22, 457-460 | 1.9 | 3 |
| 186 | Study on optical interference effect of graphene oxide films on SiO ₂ and Si ₃ N ₄ dielectric films. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2477-2486 | 2.8 | 3 |
| 185 | Influence of KMnO ₄ oxidation on the electrochemical performance of pitch-based activated carbons. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2527-2534 | 2.8 | 3 |
| 184 | Bactericidal efficacy of electrospun rosin/poly(ε-caprolactone) nanofibers. <i>Macromolecular Research</i> , 2014 , 22, 139-145 | 1.9 | 3 |
| 183 | Ion conducting properties of poly(ethylene oxide)-based electrolytes incorporating amorphous silica attached with imidazolium salts. <i>Research on Chemical Intermediates</i> , 2013 , 39, 1409-1416 | 2.8 | 3 |
| 182 | Electrochemical properties of size-controllable polypyrrole/porous carbon for supercapacitor electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 9263-7 | 1.3 | 3 |
| 181 | Roles of metal/activated carbon hybridization on elemental mercury adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 5811-6 | 1.3 | 3 |
| 180 | Effect of polystyrene-grafted multi-walled carbon nanotubes on the viscoelastic behavior and electrical properties of polypropylene-based nanocomposites. <i>Research on Chemical Intermediates</i> , 2012 , 38, 2123-2135 | 2.8 | 3 |
| 179 | Influence of Fluorination of Silica Surfaces on Interfacial Mechanical Properties of Acrylonitrile-Butadiene Rubber-Based Composites. <i>Journal of Adhesion Science and Technology</i> , 2012 , 26, 861-871 | 2 | 3 |

| | | | |
|-----|--|-----|---|
| 178 | Rheological and thermal properties of epoxy nanocomposites reinforced with alkylated multi-walled carbon nanotubes. <i>Polymer International</i> , 2012 , 61, 1371-1375 | 3.3 | 3 |
| 177 | Precursor solvent influence on preparation and electrochemical properties of platinum nanoparticles electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1705-8 | 1.3 | 3 |
| 176 | Epoxy Resins: Fluorine Systems 2011 , 1 | | 3 |
| 175 | Improvement of the electrical conductivity of carbon fibers through the growth of carbon nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 6193-7 | 1.3 | 3 |
| 174 | Effect of activated graphite nanofibers on electrochemical activities of PtRu nanoparticles for fuel cells. <i>Research on Chemical Intermediates</i> , 2011 , 37, 1203-1214 | 2.8 | 3 |
| 173 | Point-bonded electrospun polystyrene fibrous mats fabricated via the addition of poly(butylacrylate) adhesive. <i>Polymer Engineering and Science</i> , 2011 , 51, 894-901 | 2.3 | 3 |
| 172 | Eating habits, obesity related behaviors, and effects of Danhak exercise in elderly Koreans. <i>Nutrition Research and Practice</i> , 2010 , 4, 295-302 | 2.1 | 3 |
| 171 | Preparation and electrochemical characterization of platinum and ruthenium catalysts deposited on fluorinated carbon supports. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1553-1558 | 2.6 | 3 |
| 170 | Electrochemical properties of composite electrolytes based on poly(ethylene oxide)/poly(ethylene imine) containing the inorganic silica fillers. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 685-9 | 1.3 | 3 |
| 169 | Rheological and mechanical properties of polypropylene prepared with multi-walled carbon nanotube masterbatch. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 5972-5 | 1.3 | 3 |
| 168 | Effects of mechanical ball milling with active gases on hydrogen adsorption behaviors of graphite flakes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 5713-8 | 1.3 | 3 |
| 167 | Electrochemical behaviors of polymer composite electrolytes containing functionalized nanosize clays. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 325-8 | 1.3 | 3 |
| 166 | Electrochemical properties of carbon nanotube-supported metallic catalysts prepared by changing a sweep- or step-applied potential. <i>Research on Chemical Intermediates</i> , 2010 , 36, 693-701 | 2.8 | 3 |
| 165 | Preparation and electrochemical behaviors of platinum nanocluster catalysts deposited on plasma-treated carbon nanotube supports. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 189-192 | 5.1 | 3 |
| 164 | Thermal Stabilities and Mechanical Interfacial Properties of Polyethersulfone-Modified Epoxy Resin. <i>Solid State Phenomena</i> , 2006 , 111, 159-162 | 0.4 | 3 |
| 163 | Preparation and Characterization of Electrospun Poly(ethylene oxide) (PEO) Nanofibers-reinforced Epoxy Matrix Composites. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 851, 29 | | 3 |
| 162 | Electrokinetics of Carbon Fibers Produced by a Direct Oxyfluorination. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13100-13105 | 3.4 | 3 |
| 161 | Rheological and mechanical properties of DGEBA-S epoxy copolymer initiated by N-benzylquinoxalinium hexafluoroantimonate. <i>Polymer International</i> , 2005 , 54, 886-890 | 3.3 | 3 |

| | | | |
|-----|--|-----|---|
| 160 | Roles of difunctional epoxy in the tetrafunctional epoxy matrix system. <i>Journal of Materials Science Letters</i> , 2001 , 20, 773-775 | | 3 |
| 159 | Adhesion of brass/cobalt/copper-plated steel cord to a typical rubber compound. <i>Journal of Adhesion Science and Technology</i> , 2002 , 16, 653-667 | 2 | 3 |
| 158 | Effect of Fluorination on Electrical Behaviors of Carbon Blacks-filled HDPE Polymeric Switch. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 1337-1340 | 1.2 | 3 |
| 157 | Effects of Surface Nitrification on Thermal Conductivity of Modified Aluminum Oxide Nanofibers-Reinforced Epoxy Matrix Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3258-3264 | 1.2 | 3 |
| 156 | Influence of Acetylation on the Antimicrobial Properties of Chitosan Non-Woven Fabrics. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 2441-2445 | 1.2 | 3 |
| 155 | Methanol oxidation behaviors of PtRu nanoparticles deposited onto binary carbon supports for direct methanol fuel cells. <i>Carbon Letters</i> , 2013 , 14, 121-125 | 2.3 | 3 |
| 154 | Ion conducting properties of imidazolium salts with tri-alkyl chains in organic electrolytes against activated carbon electrodes. <i>Carbon Letters</i> , 2016 , 17, 70-73 | 2.3 | 3 |
| 153 | Investigation of carbon dioxide adsorption by nitrogen-doped carbons synthesized from cubic MCM-48 mesoporous silica. <i>Carbon Letters</i> , 2016 , 18, 62-66 | 2.3 | 3 |
| 152 | Influence of MWCNTs on Fracture Toughness of MWCNTs/Nickel-Pitch Fiber/Epoxy Composites. <i>Composites Research</i> , 2015 , 28, 361-365 | | 3 |
| 151 | Influence of Fiber Array Direction on Mechanical Interfacial Properties of Basalt Fiber-reinforced Composites. <i>Porrime</i> , 2015 , 39, 219-224 | 1 | 3 |
| 150 | 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 |
| 149 | Optimization of Kinetic Pore Size for Methane Storage Behavior of Pitch-based Activated Carbon Fibers. <i>Bulletin of the Korean Chemical Society</i> , 2016 , 37, 830-834 | 1.2 | 3 |
| 148 | Fracture Toughness Improvement of Poly(lactic acid) Reinforced with Poly(E-caprolactone) and Surface-Modified Silicon Carbide. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-10 | 1.5 | 3 |
| 147 | Influence of Nickel Layer on Electromagnetic Interference Shielding Effectiveness of CuS-Polyacrylonitrile Fibers. <i>Bulletin of the Korean Chemical Society</i> , 2018 , 39, 1406-1411 | 1.2 | 3 |
| 146 | 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 |
| 145 | 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 , 101897 ^{4.1} | | 3 |
| 144 | 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 |
| 143 | Thermal and Electrical Conducting Property of Sodium Polymer Electrolyte Containing Barium Titanate Filler. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 5768-5770 | 1.3 | 2 |

| | | | |
|-----|--|-----|---|
| 142 | Role of electron beam irradiation on superabsorbent behaviors of carboxymethyl cellulose. <i>Research on Chemical Intermediates</i> , 2015 , 41, 6815-6823 | 2.8 | 2 |
| 141 | Modeling studies on the uptake of hydrogen molecules by graphene. <i>Journal of Molecular Modeling</i> , 2015 , 21, 240 | 2 | 2 |
| 140 | Fracture toughness and surface morphology of Al ₂ O ₃ /Pt composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 25, 5-8 | 6.3 | 2 |
| 139 | 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 |
| 138 | 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 |
| 137 | A Study on Photocatalytic Behaviors of Activated Carbon Fibers Impregnated with N-Doped Titania. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 7593-7597 | 1.3 | 2 |
| 136 | Shape-Dependent Magnetic Properties and Phase Transformation of Annealed Iron Oxide Nanoparticles. <i>Jom</i> , 2017 , 69, 1415-1421 | 2.1 | 2 |
| 135 | A Study on Toxic Acidic Vapor Removal Behaviors of Continuously Nanostructured Copper/Nickel-Coated Nanoporous Carbons. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7 | 3.2 | 2 |
| 134 | Surface Modification of Carbon Nanotubes for High-Performance Polymer Composites 2015 , 13-59 | | 2 |
| 133 | Facile Synthesis of Pre-Doping Lithium-Ion Into Nitrogen-Doped Graphite Negative Electrode for Lithium-Ion Capacitor. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 7109-12 | 1.3 | 2 |
| 132 | Formation and properties of polyester/copolyester conjugate fibers prepared by ultra-high-speed melt spinning technique. <i>Polymer Engineering and Science</i> , 2012 , 52, 149-156 | 2.3 | 2 |
| 131 | Anti-Helicobacter Pylori effect of fermented ginseng extracts with Lactobacillus plantarum MG 208 2012 , 55, 53-56 | | 2 |
| 130 | Misdiagnosis of pneumothorax by ultrasonography after central venous catheterization in a patient with pleural adhesion. <i>Korean Journal of Anesthesiology</i> , 2013 , 65, 591-2 | 3.8 | 2 |
| 129 | Comprehension of Nanocomposites. <i>Interface Science and Technology</i> , 2011 , 777-819 | 2.3 | 2 |
| 128 | Preparation and characterization of highly porous carbons for hydrogen storage. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 860-4 | 1.3 | 2 |
| 127 | A complete green protocol: wrapping of multiwall carbon nanotubes with silver nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 4463-5 | 1.3 | 2 |
| 126 | Physical Characteristics of Titania Nanofibers Synthesized by Sol-Gel and Electrospinning Techniques. <i>Journal of Engineered Fibers and Fabrics</i> , 2010 , 5, 155892501000500 | 0.9 | 2 |
| 125 | Next-Generation Electrolytes for Li Batteries 2010 , 165-208 | | 2 |

| | | | |
|-----|---|-----|---|
| 124 | Influence of SiC Electron Acceptor/Donor Modification on Thermal and Physical Properties of Carbon Fiber/SiC/Epoxy Composites. <i>Composite Interfaces</i> , 2009 , 16, 319-328 | 2.3 | 2 |
| 123 | Synthesis and characterization of chemically modified polystyrene as processable carbon fiber precursors. <i>Research on Chemical Intermediates</i> , 2010 , 36, 621-627 | 2.8 | 2 |
| 122 | Preparation and Characterization of Electrospun Carbon Nanofibers with Na ₂ CO ₃ /H ₃ PO ₄ Activation. <i>Solid State Phenomena</i> , 2008 , 135, 81-84 | 0.4 | 2 |
| 121 | Influence of Oxygen Plasma Treatment on Impact Behaviors of Carbon Fibers-Reinforced Composites. <i>Solid State Phenomena</i> , 2007 , 119, 159-162 | 0.4 | 2 |
| 120 | Preparation and Characterization of Activated Carbon Nanofiber Webs Containing Multiwalled Carbon Nanotubes by Electrospinning. <i>Solid State Phenomena</i> , 2007 , 119, 55-58 | 0.4 | 2 |
| 119 | Physical and Mechanical Interfacial Properties of Epoxy Copolymers Initiated by Latent Thermal Catalysts. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 413-419 | 3.9 | 2 |
| 118 | PREPARATION AND PROPERTIES OF A NOVEL EPOXIDIZED CASTOR OIL/CLAY NANOCOMPOSITES. <i>International Journal of Nanoscience</i> , 2004 , 03, 663-669 | 0.6 | 2 |
| 117 | Influence of Catalyst Content on the Thermal and Mechanical Properties of Epoxy Resins Initiated by a Cationic Latent Thermal Catalyst at Elevated Temperatures. <i>Macromolecular Materials and Engineering</i> , 2003 , 288, 894-899 | 3.9 | 2 |
| 116 | Stabilization of nematic liquid crystal dispersions with acrylamide copolymers and their electrooptical properties. <i>Optical Materials</i> , 2003 , 21, 679-683 | 3.3 | 2 |
| 115 | Near-infrared spectroscopic studies on the cure behaviors of the CAE/DGEBA blend system initiated by a thermal latent catalyst. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 326-331 ^{2,6} | 3.6 | 2 |
| 114 | Tensile and Acoustic Emission Studies on Carbon-BMI Composites: Effect of Toughening Aid on ILSS of Composites. <i>Journal of Materials Science Letters</i> , 1999 , 18, 135-136 | | 2 |
| 113 | Thermal and electrical conductivity improvement in epoxy resin with expanded graphite and silver plating. <i>Korean Journal of Chemical Engineering</i> , 1 | 2.8 | 2 |
| 112 | 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 |
| 111 | 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 |
| 110 | Sebum Absorption Characteristics of Polymer Microgel-containing Face Powder. <i>Bulletin of the Korean Chemical Society</i> , 2007 , 28, 1396-1400 | 1.2 | 2 |
| 109 | Reduction Behaviors of Nitric Oxides on Copper-decorated Mesoporous Molecular Sieves. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 100-103 | 1.2 | 2 |
| 108 | Effects of Spinning Conditions on Properties of Polyester Yarn Prepared using an Ultra-high-speed Melt Spinning Technique Equipped with a Steam Chamber. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 3252-3258 | 1.2 | 2 |
| 107 | Studies on Morphologies and Mechanical Properties of Multi-walled Carbon Nanotubes/Epoxy Matrix Composites. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1237-1240 | 1.2 | 2 |

| | | | |
|-----|---|-----|---|
| 106 | Influence of Aminized Graphite Nanosheets on the Physical Properties of PMMA-based Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 196-200 | 1.2 | 2 |
| 105 | Preparation and Characterization of Carbon Nanotubes-Based Composite Electrodes for Electric Double Layer Capacitors. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 1523-1526 | 1.2 | 2 |
| 104 | Electrochemical Behavior of Pt-Ru Catalysts on Zeolite-templated Carbon Supports for Direct Methanol Fuel Cells. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 3576-3582 | 1.2 | 2 |
| 103 | Effects of coal tar pitch addition on the wear behavior of carbon/carbon composites. <i>Carbon Letters</i> , 2016 , 20, 62-65 | 2.3 | 2 |
| 102 | Influence of Activation of Mesoporous Carbon on Electrochemical Behaviors of Pt-Ru Nanoparticle Catalysts for PEMFCs. <i>Porrime</i> , 2011 , 35, 35-39 | 1 | 2 |
| 101 | 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 |
| 100 | A study on elemental mercury adsorption behaviors of nanoporous carbons with carbon dioxide activation. <i>Carbon Letters</i> , 2014 , 15, 295-298 | 2.3 | 2 |
| 99 | Influence of Acid and Base Surface Treatment of Multi-Walled Carbon Nanotubes on Mechanical Interfacial Properties of Carbon Fibers-Reinforced Composites. <i>Porrime</i> , 2012 , 36, 612-616 | 1 | 2 |
| 98 | Electrochemical characterization of activated carbon-sulfur composite electrode in organic electrolyte solution. <i>Carbon Letters</i> , 2013 , 14, 126-130 | 2.3 | 2 |
| 97 | 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 |
| 96 | 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 |
| 95 | Effect of Atmospheric-Pressure Plasma Treatments on Fracture Toughness of Carbon Fibers-Reinforced Composites. <i>Molecules</i> , 2021 , 26, | 4.8 | 2 |
| 94 | 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 |
| 93 | Prospective Synthesis Approaches to Emerging Materials for Supercapacitor 2018 , 185-208 | | 2 |
| 92 | Carbon/Carbon Composites. <i>Springer Series in Materials Science</i> , 2018 , 279-294 | 0.9 | 2 |
| 91 | Tensile strength of carbon-nanotube-based nanocomposites by the effective characteristics of interphase area nearby the filler network. <i>Polymer Composites</i> , | 3 | 2 |
| 90 | 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 |
| 89 | 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 |

| | | | |
|----|---|-----|---|
| 88 | 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 |
| 87 | Effect of Graphene Oxide on Thermal, Optical, and Gas Permeability of Graphene Oxide/Poly(vinyl alcohol) Hybrid Films Using the Boric Acid. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 7368-7372 | 1.3 | 1 |
| 86 | Injection Molding for Multicomponent Materials. <i>Springer Series in Materials Science</i> , 2016 , 79-107 | 0.9 | 1 |
| 85 | Fabrication and Characterization of the Graphene Composites Containing Embedded Manganese Dioxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 284-287 | 1.3 | 1 |
| 84 | Thermal and curl properties of PET/PP blend fibres compatibilized with EAG ternary copolymer. <i>Bulletin of Materials Science</i> , 2018 , 41, 1 | 1.7 | 1 |
| 83 | Influence of Ozone-Treated Silica Nanoparticles on Mechanical Interfacial Behavior and Thermal Stability of Silicone Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 6244-6248 | 1.3 | 1 |
| 82 | 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 |
| 81 | Preparation of polymeric modifier-attached graphene-supported bimetallic PtPd nanocomposites, and their electrochemical properties as electro-catalysts. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2773-2783 | 2.8 | 1 |
| 80 | Preparation and characterization of nanoporous carbons from thermoplastic acrylic resin for an electric double layer capacitor. <i>Macromolecular Research</i> , 2012 , 20, 1102-1104 | 1.9 | 1 |
| 79 | Adsorption Behaviors of Graphene and Graphene-related Materials 2012 , 435-467 | | 1 |
| 78 | Long-term safety and efficacy of sirolimus- and Paclitaxel-eluting stents in patients with acute myocardial infarction: four-year observational study. <i>Korean Circulation Journal</i> , 2012 , 42, 266-73 | 2.2 | 1 |
| 77 | Effect of structural change of pitch on the thermal conductivity of epoxy-based composites filled with heat-treated pitch. <i>Polymer International</i> , 2013 , 62, 1524-1527 | 3.3 | 1 |
| 76 | Electrochemical characterization of a carbon nanofiber electrode system hybridized with PEDOT-PSS. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 7920-3 | 1.3 | 1 |
| 75 | Interface Applications in Nanomaterials. <i>Interface Science and Technology</i> , 2011 , 18, 333-429 | 2.3 | 1 |
| 74 | Influence of glyceryl palmitostearate on release behaviors of hydroxypropyl cellulose microcapsules containing indomethacin by W/O emulsion. <i>Macromolecular Research</i> , 2011 , 19, 1121-1126 | 1.9 | 1 |
| 73 | Preparation and characterization of ACs/TiO ₂ composite electrodes for improving the specific capacitance of electrochemical double-layer capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 7186-9 | 1.3 | 1 |
| 72 | Peripheral arterial embolism caused by a floating thrombus in the right coronary sinus of Valsalva. <i>International Journal of Cardiology</i> , 2009 , 131, 433-4 | 3.2 | 1 |
| 71 | Preparation of Platinum-Ruthenium Nanoparticles on Graphite Nanofibers. <i>Solid State Phenomena</i> , 2008 , 135, 39-42 | 0.4 | 1 |

| | | | |
|----|--|-----|---|
| 70 | Influence of Clay Addition on Ion Conductivity of Polymeric Electrolyte Composites. <i>Solid State Phenomena</i> , 2006 , 111, 155-158 | 0.4 | 1 |
| 69 | Adsorption Characteristics of Uranyl Ions on Carboxymethylated Polyethyleneimine (CM-PEI) / Activated Carbon Composites. <i>Solid State Phenomena</i> , 2007 , 124-126, 1257-1260 | 0.4 | 1 |
| 68 | Electrochemical Characteristics of Platinum Nanocluster Catalysts Using Oxyfluorinated Carbon Nanotubes Supports. <i>Solid State Phenomena</i> , 2007 , 119, 155-158 | 0.4 | 1 |
| 67 | A Gas Control by Metal Nanoclusters-Supported Porous Carbon Nanofibers. <i>Solid State Phenomena</i> , 2007 , 119, 5-8 | 0.4 | 1 |
| 66 | A Study of Surface Modification on Adsorption Behaviors of Nanoporous Carbon. <i>Solid State Phenomena</i> , 2007 , 119, 211-214 | 0.4 | 1 |
| 65 | Ion Conductivity of Polymer Electrolytes Based on PEO Containing Li Salt and Additive Salt. <i>Solid State Phenomena</i> , 2007 , 119, 119-122 | 0.4 | 1 |
| 64 | Pt(IV) Adsorption Characteristics of Nanoporous Carbons Modified with Carboxymethylated Polyethyleneimine. <i>Solid State Phenomena</i> , 2007 , 124-126, 1781-1784 | 0.4 | 1 |
| 63 | Influence of Atmospheric-Pressure Plasma Treatment on Surface of Polyimide Film. <i>Solid State Phenomena</i> , 2007 , 119, 123-126 | 0.4 | 1 |
| 62 | Electrochemical Behaviors of PtRu/CNTs Catalysts Prepared by Pulse Potential Plating Methods. <i>Solid State Phenomena</i> , 2007 , 124-126, 1039-1042 | 0.4 | 1 |
| 61 | Electrochemical Characteristics of Carbon-Supported Metal Nanoparticles Catalysts Prepared by Electrical Deposition Methods. <i>Solid State Phenomena</i> , 2007 , 124-126, 1821-1824 | 0.4 | 1 |
| 60 | Anodization of Nanoporous Carbons for Removal of Ammonia. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005 , 23, 7-10 | 0.2 | 1 |
| 59 | Surface Modification of Carbon Fibers by Anodic Oxidation and its Effect on Adhesion. <i>Key Engineering Materials</i> , 2000 , 183-187, 1105-1110 | 0.4 | 1 |
| 58 | Thermal and mechanical properties of poly(lactic acid) reinforced with silanized basalt scales. <i>Korean Journal of Chemical Engineering</i> , 1 | 2.8 | 1 |
| 57 | 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 |
| 56 | Surface Characteristics of Direct Fluorinated Single-walled Carbon Nanotubes. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 2071-2076 | 1.2 | 1 |
| 55 | Preparation and Electroactivities of Carbon Nanotubes-supported Metal Catalyst Electrodes Prepared by a Potential Cycling. <i>Carbon Letters</i> , 2009 , 10, 213-216 | 2.3 | 1 |
| 54 | Necessity of Development on New Types of Activated Carbons for Advanced Drinking Water Purification Technology. <i>Carbon Letters</i> , 2010 , 11, 357-365 | 2.3 | 1 |
| 53 | Surface Characteristics of Electrochemically Modified Carbon Fibers in Phosphoric Acid Solution: Effect of Surface Treatment on Interfacial Mechanical Behaviors of Composites.. <i>Journal of Chemical Engineering of Japan</i> , 2001 , 34, 396-400 | 0.8 | 1 |

| | | | |
|----|--|-----|---|
| 52 | Effects of Injection Conditions on Dispersibility of TiO ₂ in Polymerization of Poly(ethylene terephthalate). <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 2893-2896 | 1.2 | 1 |
| 51 | 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 |
| 50 | Synthesis of GNS/TiO ₂ Electrodes Through Sol-Gel Method and Their Electrochemical Analysis for Capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 8594-8597 | 1.3 | 1 |
| 49 | Synthesis of Fe ₃ O ₄ /KOH-Activated Reduced Graphene Oxide Electrodes and Their Electrochemical Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 314-317 | 1.3 | 1 |
| 48 | History and Structure of Carbon Fibers. <i>Springer Series in Materials Science</i> , 2018 , 1-30 | 0.9 | 1 |
| 47 | Novel Carbon Fibers and Their Composites. <i>Springer Series in Materials Science</i> , 2018 , 295-342 | 0.9 | 1 |
| 46 | Synthesis of the ionic liquid 1,2-dimethyl-3-butylimidazole bromide salt and its application in phenolic-formaldehyde-resin-based conductive materials. <i>Journal of Applied Polymer Science</i> , 2022 , 165, 52334 | 2.9 | 1 |
| 45 | 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 |
| 44 | Effect of Ball Milling and KOH Activation on Electrochemical Properties of Pitch-based Carbon Fibers. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 2464-2468 | 1.2 | 0 |
| 43 | Influence of Multiwalled Carbon Nanotube on Rheological Behavior of Mesophase Pitches. <i>Solid State Phenomena</i> , 2008 , 135, 47-52 | 0.4 | 0 |
| 42 | Enhanced electrical conductivity and electromagnetic shielding efficiency of epoxy resin using graphene nanoplatelets. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 111-115 | 2.8 | 0 |
| 41 | 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 |
| 40 | 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 |
| 39 | Surface Treatment and Sizing of Carbon Fibers. <i>Springer Series in Materials Science</i> , 2018 , 105-137 | 0.9 | 0 |
| 38 | 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 |
| 37 | 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 |
| 36 | Two-Stage Modeling of Tensile Strength for a Carbon-Nanotube-Based System Applicable in the Biomedical Field. <i>Jom</i> , 2011 , 43, 111-115 | 2.1 | 0 |
| 35 | A Study on Electron Acceptor of Carbonaceous Materials for Highly Efficient Hydrogen Uptakes. <i>Catalysts</i> , 2021 , 11, 1524 | 4 | 0 |

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|----|---|-----|---|
| 34 | A Study on Pre-Oxidation of Petroleum Pitch-Based Activated Carbons for Electric Double-Layer Capacitors. <i>Molecules</i> , 2022 , 27, 3241 | 4.8 | o |
| 33 | Nitrogen and Sulfur Co-Doped Graphene Quantum Dots Anchored TiO ₂ Nanocomposites for Enhanced Photocatalytic Activity. <i>Catalysts</i> , 2022 , 12, 548 | 4 | o |
| 32 | Design of Mold for Multicomponent Material. <i>Springer Series in Materials Science</i> , 2016 , 37-78 | 0.9 | |
| 31 | Special issue of the 12th International Symposium on Novel and Nanomaterials 2012. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2391-2393 | 2.8 | |
| 30 | van der Waals Interactions at Surfaces 2015 , 7531-7544 | | |
| 29 | Recent Uses of Carbon Fibers. <i>Springer Series in Materials Science</i> , 2015 , 237-273 | 0.9 | |
| 28 | Reduction procedure effect on the electrochemical properties of conductive carbon black supported Pt-Pd electrocatalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 2213-7 | 1.3 | |
| 27 | Synthesis and Electrochemical Performance of Porous Carbon/Carbon Electrode with Core/Shell Structure. <i>Advanced Materials Research</i> , 2010 , 123-125, 1099-1102 | 0.5 | |
| 26 | Preparation and Characterization of Porous Si/Carbon Fibers. <i>Advanced Materials Research</i> , 2010 , 123-125, 1087-1090 | 0.5 | |
| 25 | Electrochemical behaviors of polymer composite electrolytes containing imidazolium-type room-temperature molten salts. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 7265-8 | 1.3 | |
| 24 | Multi-walled carbon nanotubes fabricated by electrospinning of acrylonitrile/nylon solution and subsequent carbonization. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 5252-7 | 1.3 | |
| 23 | Thermal Behaviors and Fracture Toughness of Polyurethane-Dispersed Difunctional Epoxy Resins. <i>Solid State Phenomena</i> , 2008 , 135, 43-46 | 0.4 | |
| 22 | Nickel Decoration on Multi-Walled Carbon Nanotubes Using Multi-Step Impregnation Method. <i>Solid State Phenomena</i> , 2008 , 135, 77-80 | 0.4 | |
| 21 | INFLUENCE OF OXYFLUORINATION ON TRANSPORT MECHANICAL PROPERTIES OF PAN-BASED CARBON FIBERS. <i>International Journal of Nanoscience</i> , 2007 , 06, 143-147 | 0.6 | |
| 20 | Ion Conducting Behaviors of Polymeric Composite Electrolytes Containing Mesoporous Silicates. <i>Solid State Phenomena</i> , 2007 , 119, 51-54 | 0.4 | |
| 19 | Preparation and Characterization of Environmental-Friendly Epoxy Resins/Clay Nanocomposites. <i>Solid State Phenomena</i> , 2007 , 119, 219-222 | 0.4 | |
| 18 | The Clinical Feasibility of Transradial Coronary Intervention in Selective Patients Undergoing Left Main Coronary Intervention. <i>Korean Circulation Journal</i> , 2006 , 36, 732 | 2.2 | |
| 17 | Preparation and Characterization of Nano-Scaled Ag Plated Activated Carbon Fibers for NO Removal. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005 , 23, 215-218 | 0.2 | |

- 16 Filler-Elastomer Interactions: Effect of Ozone Treatment on Adhesion Characteristics of Carbon Black/Rubber Composites **2004**, 583-587
- 15 A Case of Severe Midventricular Obstructive Hypertrophic Cardiomyopathy with Apical Aneurysmal Dilatation. *Journal of the Korean Society of Echocardiography*, **2005**, 13, 117
- 14 Testing of Carbon Fibers and Their Composites. *Springer Series in Materials Science*, **2015**, 135-178 0.9
- 13 Manufacture of Carbon Fiber Composites. *Springer Series in Materials Science*, **2015**, 179-235 0.9
- 12 Matrices for Carbon Fiber Composites. *Springer Series in Materials Science*, **2015**, 67-99 0.9
- 11 A Study on the Peel Strength of Silane-treated Silicas-filled Epoxy Adhesives. *Applied Chemistry for Engineering*, **2014**, 25, 520-525
- 10 Effect of Silane Coupling Agent on Thermal Stability and Adhesion Properties of DGEBA Epoxy Resin. *Porrime*, **2014**, 38, 787-790 1
- 9 Preparation and Characteristics of Poly(ϵ -caprolactone) Microcapsules Containing Pseudomonas by W/O/W Emulsion. *Porrime*, **2012**, 36, 202-207 1
- 8 Effect of KOH Activation on Electrochemical Behaviors of Graphite Nanofibers. *Porrime*, **2012**, 36, 321-325
- 7 Influence of Activation Temperature on Electrochemical Performances of Styrene-Acrylonitrile Based Porous Carbons. *Porrime*, **2012**, 36, 739-744 1
- 6 New Engineering Techniques for Carbon Master Batch. *Elastomers and Composites*, **2013**, 48, 125-132
- 5 Carbonization of Pitch-coated Glass Fibers on Thermal Conductivity of Epoxy Composites. *Composites Research*, **2013**, 26, 315-321
- 4 Matrices for Carbon Fiber Composites. *Springer Series in Materials Science*, **2018**, 69-103 0.9
- 3 Testing of Carbon Fibers and Their Composites. *Springer Series in Materials Science*, **2018**, 139-184 0.9
- 2 Manufacture of Carbon Fiber Composites. *Springer Series in Materials Science*, **2018**, 185-240 0.9
- 1 Recent Uses of Carbon Fibers. *Springer Series in Materials Science*, **2018**, 241-277 0.9