

Young-Seak Lee

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238
papers

5,198
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38
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57
g-index

247
ext. papers

5,723
ext. citations

4.8
avg, IF

5.94
L-index

#	Paper	IF	Citations
238	Syntheses and properties of fluorinated carbon materials. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 392-403	4.03	129
237	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
236	Preparation of PAN-based electrospun nanofiber webs containing TiO ₂ for photocatalytic degradation. <i>Materials Letters</i> , 2008 , 62, 3652-3655	3.3	124
235	The effect of carbon nanotubes on drug delivery in an electro-sensitive transdermal drug delivery system. <i>Biomaterials</i> , 2010 , 31, 1414-9	15.6	117
234	Fluorination effects of carbon black additives for electrical properties and EMI shielding efficiency by improved dispersion and adhesion. <i>Carbon</i> , 2009 , 47, 2640-2647	10.4	114
233	Electro-responsive transdermal drug delivery behavior of PVA/PAA/MWCNT nanofibers. <i>European Polymer Journal</i> , 2011 , 47, 1893-1902	5.2	99
232	A high resolution XPS study of sidewall functionalized MWCNTs by fluorination. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 66-71	6.3	97
231	Effect of oxyfluorination on electromagnetic interference shielding behavior of MWCNT/PVA/PAAc composite microcapsules. <i>European Polymer Journal</i> , 2010 , 46, 900-909	5.2	81
230	Improved gas sensing of electrospun carbon fibers based on pore structure, conductivity and surface modification. <i>Carbon</i> , 2010 , 48, 2573-2581	10.4	79
229	Hierarchical porous carbon fibers prepared using a SiO ₂ template for high-performance EDLCs. <i>Chemical Engineering Journal</i> , 2015 , 263, 62-70	14.7	78
228	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
227	The influence of compressed carbon felt electrodes on the performance of a vanadium redox flow battery. <i>Electrochimica Acta</i> , 2014 , 116, 447-452	6.7	74
226	The improved electrical conductivity of carbon nanofibers by fluorinated MWCNTs. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 699-702	6.3	65
225	Preferential etching of metallic single-walled carbon nanotubes with small diameter by fluorine gas. <i>Physical Review B</i> , 2006 , 73,	3.3	65
224	Photocatalytic treatment of acidic waste water by electrospun composite nanofibers of pH-sensitive hydrogel and TiO ₂ . <i>Materials Letters</i> , 2010 , 64, 2431-2434	3.3	63
223	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
222	NH ₃ gas sensing properties of a gas sensor based on fluorinated graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 490, 104-109	5.1	61

221	Nitrogen and hydrogen adsorption of activated carbon fibers modified by fluorination. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 410-414	6.3	61
220	The adsorption properties of surface modified activated carbon fibers for hydrogen storages. <i>Catalysis Today</i> , 2007 , 120, 420-425	5.3	59
219	Surface properties of oxyfluorinated PAN-based carbon fibers. <i>Carbon</i> , 2002 , 40, 2461-2468	10.4	59
218	Fluorination effect of activated carbon electrodes on the electrochemical performance of electric double layer capacitors. <i>Journal of Fluorine Chemistry</i> , 2011 , 132, 1127-1133	2.1	57
217	Fluorination of electrospun hydrogel fibers for a controlled release drug delivery system. <i>Acta Biomaterialia</i> , 2010 , 6, 102-9	10.8	55
216	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
215	Flame retardant epoxy complex produced by addition of montmorillonite and carbon nanotube. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 891-895	6.3	52
214	Preparation, characterization and photocatalytic activity evaluation of micro- and mesoporous TiO ₂ /spherical activated carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 469-477	6.3	51
213	Improved flame retardant properties of epoxy resin by fluorinated MMT/MWCNT additives. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010 , 89, 225-232	6	51
212	Effect of oxyfluorination on electromagnetic interference shielding of polypyrrole-coated multi-walled carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 392-398	6.3	50
211	Superior prospect of chemically activated electrospun carbon fibers for hydrogen storage. <i>Materials Research Bulletin</i> , 2009 , 44, 1871-1878	5.1	50
210	Fluorination effects of MWCNT additives for EMI shielding efficiency by developed conductive network in epoxy complex. <i>Journal of Fluorine Chemistry</i> , 2009 , 130, 1111-1116	2.1	50
209	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
208	Improvement of ammonia sensing properties of polypyrrole by nanocomposite with graphitic materials. <i>Colloid and Polymer Science</i> , 2013 , 291, 1095-1103	2.4	47
207	Electrochemical properties of a non-aqueous redox battery with all-organic redox couples. <i>Electrochemistry Communications</i> , 2015 , 59, 68-71	5.1	45
206	Cocktail effect of Fe ₂ O ₃ and TiO ₂ semiconductors for a high performance dye-sensitized solar cell. <i>Applied Surface Science</i> , 2011 , 257, 2164-2169	6.7	44
205	Effects of fluorination modification on pore size controlled electrospun activated carbon fibers for high capacity methane storage. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 31-5	9.3	42
204	Improvement of the mechanical and thermal properties of polyethersulfone-modified epoxy composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 73-79	6.3	40

203	Effects of surface chemical properties of activated carbon fibers modified by liquid oxidation for CO ₂ adsorption. <i>Applied Surface Science</i> , 2015 , 353, 158-164	6.7	40
202	Terahertz absorption and dispersion of fluorine-doped single-walled carbon nanotube. <i>Journal of Applied Physics</i> , 2005 , 98, 034316	2.5	40
201	Effective electromagnetic interference shielding by electrospun carbon fibers involving Fe ₂ O ₃ /BaTiO ₃ /MWCNT additives. <i>Materials Chemistry and Physics</i> , 2010 , 124, 434-438	4.4	39
200	Synthesis and characterization of mesoporous electrospun carbon fibers derived from silica template. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 914-918	6.3	38
199	Enhanced adhesion and dispersion of carbon nanotube in PANI/PEO electrospun fibers for shielding effectiveness of electromagnetic interference. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 364, 151-157	5.1	38
198	Effect of surface modification of graphene oxide on photochemical stability of poly(vinyl alcohol)/graphene oxide composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 752-756	6.3	37
197	Thermal fluorination effects on carbon nanotubes for preparation of a high-performance gas sensor. <i>Carbon</i> , 2011 , 49, 2235-2244	10.4	37
196	An XPS Study of Oxyfluorinated Multiwalled Carbon Nano Tubes. <i>Carbon Letters</i> , 2007 , 8, 292-298	2.3	37
195	Improvement of rate capability by graphite foam anode for Li secondary batteries. <i>Journal of Power Sources</i> , 2017 , 355, 164-170	8.9	36
194	The surface chemical properties of multi-walled carbon nanotubes modified by thermal fluorination for electric double-layer capacitor. <i>Applied Surface Science</i> , 2015 , 347, 250-257	6.7	36
193	Electrochemical performances of lithium and sodium ion batteries based on carbon materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 61, 368-380	6.3	36
192	Effect of fluorination on the mechanical behavior and electromagnetic interference shielding of MWCNT/epoxy composites. <i>Applied Surface Science</i> , 2016 , 369, 189-195	6.7	36
191	Effect of inorganic additive sodium pyrophosphate tetrabasic on positive electrolytes for a vanadium redox flow battery. <i>Electrochimica Acta</i> , 2014 , 121, 321-327	6.7	36
190	pH and electro-responsive release behavior of MWCNT/PVA/PAAc composite microcapsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 368, 23-30	5.1	36
189	Improved capacitance characteristics of electrospun ACFs by pore size control and vanadium catalyst. <i>Journal of Colloid and Interface Science</i> , 2008 , 327, 115-9	9.3	35
188	CNT-embedded hollow TiO ₂ nanofibers with high adsorption and photocatalytic activity under UV irradiation. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 651-656	5.7	34
187	Effects of aminated carbon molecular sieves on breakthrough curve behavior in CO ₂ /CH ₄ separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 776-783	6.3	34
186	Electrochemical and structural characteristics of activated carbon-based electrodes modified via phosphoric acid. <i>Microporous and Mesoporous Materials</i> , 2013 , 172, 131-135	5.3	34

185	Characterization of pitch derived from pyrolyzed fuel oil using TLC-FID and MALDI-TOF. <i>Fuel</i> , 2016 , 167, 25-30	7.1	32
184	Enzyme biosensor based on an N-doped activated carbon fiber electrode prepared by a thermal solid-state reaction. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 20-27	8.5	32
183	Preparation and characterization of carbon covered TiO ₂ using sucrose for solar photodegradation. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 667-671	6.3	32
182	Fluorination effect of activated carbons on performance of asymmetric capacitive deionization. <i>Applied Surface Science</i> , 2017 , 409, 117-123	6.7	31
181	Preparation and characterization of graphite foams. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 21-33	6.3	31
180	Effect of oxyfluorination on gas sensing behavior of polyaniline-coated multi-walled carbon nanotubes. <i>Applied Surface Science</i> , 2012 , 258, 3462-3468	6.7	31
179	Effect of the addition of carbon black and carbon nanotube to FeS ₂ cathode on the electrochemical performance of thermal battery. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3584-3589	6.3	30
178	Preparation of poly(vinyl alcohol)/poly(acrylic acid)/TiO ₂ /carbon nanotube composite nanofibers and their photobleaching properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 487-491	6.3	30
177	Hydrophilic modification of polyacrylonitrile membranes by oxyfluorination. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 876-882	6.3	30
176	Investigation of multielemental catalysts based on decreasing the band gap of titania for enhanced visible light photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 183-8	9.3	30
175	Influence of the textural properties of activated carbon nanofibers on the performance of electric double-layer capacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1315-1319	6.3	29
174	Effect of oxyfluorination on electromagnetic interference shielding of polyaniline-coated multi-walled carbon nanotubes. <i>Colloid and Polymer Science</i> , 2011 , 289, 1749-1755	2.4	29
173	Effects of surface chemical properties of activated carbon modified by amino-fluorination for electric double-layer capacitor. <i>Journal of Colloid and Interface Science</i> , 2012 , 381, 152-7	9.3	27
172	Multifunctional surface modification of an aramid fabric via direct fluorination. <i>Journal of Fluorine Chemistry</i> , 2012 , 141, 69-75	2.1	27
171	The impact of fluorinated MWCNT additives on the enhanced dynamic mechanical properties of e-beam-cured epoxy. <i>Composites Science and Technology</i> , 2010 , 70, 763-768	8.6	27
170	Preparation and Characteristics of Conducting Polymer-Coated MWCNTs as Electromagnetic Interference Shielding Materials. <i>Carbon Letters</i> , 2011 , 12, 48-52	2.3	27
169	Hierarchically three-dimensional (3D) nanotubular sea urchin-shaped iron oxide and its application in heavy metal removal and solar-induced photocatalytic degradation. <i>Journal of Hazardous Materials</i> , 2018 , 354, 283-292	12.8	26
168	Effects of physicochemical treatments of illite on the thermo-mechanical properties and thermal stability of illite/epoxy composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2011 , 17, 77-82	6.3	26

167	Preparation and characterization of trilobal activated carbon fibers. <i>Carbon</i> , 2003 , 41, 2573-2584	10.4	26
166	Effect of heat treatment on ZrO ₂ -embedded electrospun carbon fibers used for efficient electromagnetic interference shielding. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 1175-1179	3.9	25
165	Physico-chemical surface modification of activated carbon by oxyfluorination and its electrochemical characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 389, 274-280	5.1	25
164	Innovative three-dimensional (3D) eco-TiO ₂ photocatalysts for practical environmental and bio-medical applications. <i>Scientific Reports</i> , 2014 , 4, 6740	4.9	24
163	pH-sensitive photocatalytic activities of TiO ₂ /poly(vinyl alcohol)/poly(acrylic acid) composite hydrogels. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 276-281	3.1	24
162	Effect of precursor composition on the activation of pitch-based carbon fibers. <i>Carbon</i> , 2004 , 42, 485-495	10.4	24
161	Improvement in ammonia gas sensing behavior by polypyrrole/multi-walled carbon nanotubes composites. <i>Carbon Letters</i> , 2012 , 13, 88-93	2.3	24
160	Rational molecular design of polymeric materials toward efficient triboelectric energy harvesting. <i>Nano Energy</i> , 2019 , 66, 104158	17.1	22
159	Effect of simultaneous etching and N-doping on the surface and electrochemical properties of AC. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 116-122	6.3	22
158	Surface and electrochemical properties of amino-fluorinated activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 377, 243-250	5.1	22
157	Chemical hydrogen storage and release properties using redox reaction over the Cu-added Fe/Ce/Zr mixed oxide medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 81-86	6.3	22
156	Solvent extraction of nickel(II) ions from aqueous solutions using triethylamine as extractant. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 110-115	6.3	22
155	Mechanical and thermal properties of MWCNT-reinforced epoxy nanocomposites by vacuum assisted resin transfer molding. <i>Carbon Letters</i> , 2014 , 15, 32-37	2.3	22
154	Fluorination of single-walled carbon nanotube: The effects of fluorine on structural and electrical properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 37, 22-26	6.3	22
153	Physico-chemical and electrochemical properties of pitch-based high crystallinity cokes used as electrode material for electric double layer capacitor. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 23, 27-32	6.3	21
152	Effects of fluorination on carbon molecular sieves for CH ₄ /CO ₂ gas separation behavior. <i>International Journal of Greenhouse Gas Control</i> , 2012 , 10, 278-284	4.2	21
151	Mechanical properties of epoxy composites reinforced with ammonia-treated graphene oxides. <i>Carbon Letters</i> , 2017 , 21, 1-7	2.3	21
150	Effects of oxyfluorination on a multi-walled carbon nanotube electrode for a high-performance glucose sensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 674-679	6.3	20

149	Effects of polycarboxylate-type superplasticizer on fluidity and hydration behavior of cement paste. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 1553-1561	2.8	20
148	Enhancement of the electrochemical capacitance of TiOF ₂ obtained via control of the crystal structure. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 187-193	6.3	19
147	Functionalization of graphene oxide by fluorination and its characteristics. <i>Journal of Fluorine Chemistry</i> , 2016 , 182, 91-97	2.1	19
146	Improved flame-retardant properties of lyocell fiber achieved by phosphorus compound. <i>Materials Letters</i> , 2014 , 135, 226-228	3.3	19
145	Role of fluorination in improvement of the electrochemical properties of activated carbon nanofiber electrodes. <i>Journal of Fluorine Chemistry</i> , 2013 , 150, 98-103	2.1	19
144	Effect of thermal fluorination on the hydrogen storage capacity of multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 1560-1567	6.7	19
143	Characterization of nanoporous BSiC fiber complex prepared by electrospinning and carbothermal reduction. <i>Research on Chemical Intermediates</i> , 2010 , 36, 731-742	2.8	19
142	N ₂ plasma treatment on activated carbon fibers for toxic gas removal: Mechanism study by electrochemical investigation. <i>Chemical Engineering Journal</i> , 2016 , 306, 260-268	14.7	18
141	A hybrid gas-sensing material based on porous carbon fibers and a TiO ₂ photocatalyst. <i>Journal of Materials Science</i> , 2013 , 48, 8320-8328	4.3	18
140	Improved anti-oxidation properties of electrospun polyurethane nanofibers achieved by oxyfluorinated multi-walled carbon nanotubes and aluminum hydroxide. <i>Materials Chemistry and Physics</i> , 2011 , 126, 685-692	4.4	18
139	Surface characteristics of low-density polyethylene films modified by oxyfluorination-assisted graft polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 373, 36-41	5.1	18
138	High-sensitivity gas sensor using electrically conductive and porosity-developed carbon nanofiber. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 297-303	5.1	18
137	Influence of oxyfluorination on activated carbon nanofibers for CO ₂ storage. <i>Carbon Letters</i> , 2011 , 12, 236-242	2.3	18
136	Improved mechanical and electromagnetic interference shielding properties of epoxy composites through the introduction of oxyfluorinated multiwalled carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 56, 435-442	6.3	17
135	Effect of oxyfluorinated multi-walled carbon nanotube additives on positive temperature coefficient/negative temperature coefficient behavior in high-density polyethylene polymeric switches. <i>Materials Research Bulletin</i> , 2011 , 46, 1391-1397	5.1	17
134	An increase in gas sensitivity and recovery of an MWCNT-based gas sensor system in response to an electric field. <i>Chemical Physics Letters</i> , 2010 , 497, 191-195	2.5	17
133	CO ₂ adsorption characteristics of slit-pore shaped activated carbon prepared from cokes with high crystallinity. <i>Carbon Letters</i> , 2015 , 16, 45-50	2.3	17
132	Micropore-structured activated carbon prepared by waste PET/petroleum-based pitch. <i>Carbon Letters</i> , 2019 , 29, 385-392	2.3	16

131	Hydrogen adsorption on activated carbon nanotubes with an atomic-sized vanadium catalyst investigated by electrical resistance measurements. <i>Applied Surface Science</i> , 2012 , 258, 2749-2756	6.7	16
130	Stabilization of pitch-based carbon fibers accompanying electron beam irradiation and their mechanical properties. <i>Carbon Letters</i> , 2015 , 16, 121-126	2.3	16
129	The electrochemical enzymatic glucose biosensor based on mesoporous carbon fibers activated by potassium carbonate. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 25, 192-198	6.3	15
128	Empirical approach to determine molecular weight distribution using MALDI-TOF analysis of petroleum-based heavy oil. <i>Fuel</i> , 2016 , 186, 20-23	7.1	15
127	Prediction and characterization of drug release in a multi-drug release system. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 325-330	6.3	15
126	The effects of carbon nanotube addition and oxyfluorination on the glucose-sensing capabilities of glucose oxidase-coated carbon fiber electrodes. <i>Applied Surface Science</i> , 2012 , 258, 2219-2225	6.7	15
125	Surface modification of electrospun spherical activated carbon for a high-performance biosensor electrode. <i>Sensors and Actuators B: Chemical</i> , 2011 , 158, 151-158	8.5	15
124	Preparation and characterization of electrospun LiFePO ₄ /carbon complex improving rate performance at high C-rate. <i>Research on Chemical Intermediates</i> , 2010 , 36, 591-602	2.8	15
123	Characterization of nanocrystalline porous SiC powder by electrospinning and carbothermal reduction. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 273-277	6.3	15
122	Empirical study of petroleum-based pitch production via pressure- and temperature-controlled thermal reactions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 176-184	6.3	14
121	Improved capacitance characteristics of activated carbon-based electrodes by physicochemical base-tuning. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 642-647	6.3	14
120	Surface characteristics and carbon dioxide capture characteristics of oxyfluorinated carbon molecular sieves. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 89-96	14.7	14
119	X-ray Photoelectron Spectroscopic Analysis of Modified MWCNT and Dynamic Mechanical Properties of E-beam Cured Epoxy Resins with the MWCNT. <i>Carbon Letters</i> , 2009 , 10, 314-319	2.3	14
118	Improved Sensitivity of an NO Gas Sensor by Chemical Activation of Electrospun Carbon Fibers. <i>Carbon Letters</i> , 2011 , 12, 21-25	2.3	14
117	Novel reforming of pyrolyzed fuel oil by electron beam radiation for pitch production. <i>Carbon Letters</i> , 2014 , 15, 262-267	2.3	14
116	Effect of CF bonds introduced by fluorination on the desalination properties of activated carbon as the cathode for capacitive deionization. <i>Desalination</i> , 2019 , 457, 1-7	10.3	13
115	A new pitch reforming from pyrolysis fuel oil by UV irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 22, 70-74	6.3	13
114	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

113	Boron-doped carbon prepared from PFO as a lithium-ion battery anode. <i>Solid State Sciences</i> , 2014 , 34, 38-42	3.4	13
112	Characteristics of a high compressive strength graphite foam prepared from pitches using a PVA/AAc solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 127-133	6.3	13
111	Hydrogen Adsorption of PAN-based Porous Carbon Nanofibers using MgO as the Substrate. <i>Carbon Letters</i> , 2009 , 10, 217-220	2.3	13
110	A Comprehensive Review of Gas Sensors Using Carbon Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4310-9	1.3	13
109	Hydrothermal synthesis of Bi ₂ Te ₃ nanowires through the solid-state interdiffusion of Bi and Te atoms on the surface of Te nanowires. <i>Journal of Crystal Growth</i> , 2010 , 312, 3410-3415	1.6	12
108	Fabrication and Characterization of Porous Non-Woven Carbon Based Highly Sensitive Gas Sensors Derived by Magnesium Oxide. <i>Carbon Letters</i> , 2012 , 13, 254-259	2.3	12
107	Effect of CuO introduced on activated carbon fibers formed by electroless plating on the NO gas sensing. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 60, 341-347	6.3	12
106	Surface functionalization and CO ₂ uptake on carbon molecular sieves: Experimental observation and theoretical study. <i>Applied Surface Science</i> , 2018 , 447, 8-14	6.7	11
105	Effects of carbon structure orientation on the performance of glucose sensors fabricated from electrospun carbon fibers. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 544-549	3.9	11
104	The electrochemical behavior of an enzyme biosensor electrode using an oxyfluorinated pitch-based carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 94-98	6.3	11
103	Role of surface fluorine in improving the electrochemical properties of Fe/MWCNT electrodes. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 43, 78-85	6.3	11
102	Direct fluorination as a novel organophilic modification method for the preparation of Illite/polypropylene nanocomposites. <i>Journal of Materials Science</i> , 2012 , 47, 1046-1053	4.3	10
101	Effects of improved porosity and electrical conductivity on pitch-based carbon nanofibers for high-performance gas sensors. <i>Journal of Porous Materials</i> , 2012 , 19, 989-994	2.4	10
100	New application of layered silicates for carbon fiber reinforced carbon composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2011 , 17, 191-197	6.3	10
99	The physicochemical characteristics of modified carbon fibers by Fluorination. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 151-156	2.8	10
98	Effects of Pyrite (FeS ₂) Particle Sizes on Electrochemical Characteristics of Thermal Batteries. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 161-166		10
97	Preparation and Characterization of Electrospun TiO ₂ -Activated Carbon Complex Fiber as Photocatalyst. <i>Carbon Letters</i> , 2010 , 11, 28-33	2.3	10
96	Metal impregnate on activated carbon fiber for SO ₂ gas removal: Assessment of pore structure, Cu supporter, breakthrough, and bed utilization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 509, 73-79	5.1	10

95	Modification of textural properties of CuO-supported activated carbon fibers for SO ₂ adsorption based on electrical investigation. <i>Materials Chemistry and Physics</i> , 2017 , 200, 361-367	4.4	9
94	Preparation and Characterization of Cobalt/Graphene Composites Using Liquid Phase Plasma System. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 228-31	1.3	9
93	Preparation of pitch from pyrolyzed fuel oil by electron beam radiation and its melt-electrospinning property. <i>Carbon Letters</i> , 2014 , 15, 129-135	2.3	9
92	Cellulose-based carbon fibers prepared using electron-beam stabilization. <i>Carbon Letters</i> , 2016 , 18, 56-61.	6.3	9
91	Significant reduction in stabilization temperature and improved mechanical/electrical properties of pitch-based carbon fibers by electron beam irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 37, 277-287	6.3	9
90	Improved specific capacitance of pitch-based activated carbon by KOH/KMnO ₄ agent for supercapacitors. <i>Carbon Letters</i> , 2020 , 30, 585-591	2.3	8
89	Preparation of petroleum-based binder pitch for manufacturing thermally conductive carbon molded body and comparison with commercial coal-based binder pitch. <i>Carbon Letters</i> , 2020 , 30, 373-379.	2.3	8
88	Investigation of the growth and in situ heating transmission electron microscopy analysis of Ag ₂ S-catalyzed ZnS nanowires. <i>Applied Surface Science</i> , 2018 , 436, 556-561	6.7	8
87	Effects of E-Beam Irradiation on the Chemical, Physical, and Electrochemical Properties of Activated Carbons for Electric Double-Layer Capacitors. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	8
86	Preparation of novolac-type phenol-based activated carbon with a hierarchical pore structure and its electric double-layer capacitor performance. <i>Carbon Letters</i> , 2014 , 15, 192-197	2.3	8
85	Effects of an inorganic ammonium salt treatment on the flame-retardant performance of lyocell fibers. <i>Carbon Letters</i> , 2016 , 17, 74-78	2.3	8
84	NO gas sensing ability of activated carbon fibers modified by an electron beam for improvement in the surface functional group. <i>Carbon Letters</i> , 2016 , 20, 19-25	2.3	8
83	The effect of carbon black on reforming of pyrolysis fuel oil for a binder pitch. <i>Fuel</i> , 2017 , 206, 58-63	7.1	7
82	Improvement in NO gas-sensing properties using heterojunctions between polyaniline and nitrogen on activated carbon fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 76, 181-187	6.3	7
81	Carbon thin-films/SiO _x nanowires complex using a polyvinylchloride (PVC) solution for lithium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 307-314	6.3	7
80	Characteristics of fluorinated CNTs added carbon foams. <i>Applied Surface Science</i> , 2016 , 360, 1009-1015	6.7	7
79	Effects of pore structure on the high-performance capacitive deionization using chemically activated carbon nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2268-73	1.3	7
78	CNT@ counter electrode prepared using a polyol process to achieve high performance in dye-sensitized solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1023-1028	6.3	7

77	Effects of the Fluorination of Activated Carbons on the Chromium Ion Adsorption. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 92-98		7
76	Preparation and Applications of Activated Electrospun Nanofibers for Energy Storage Materials. <i>Current Organic Chemistry</i> , 2013 , 17, 1424-1433	1.7	7
75	Investigation of the Hydrogen Storage Mechanism of Expanded Graphite by Measuring Electrical Resistance Changes. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3033-3038	1.2	7
74	Separation of biomass using carbon molecular sieves treated with hydrogen peroxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 278-282	6.3	6
73	Ultrarapid, size-controlled, high-crystalline plasma-mediated synthesis of ceria nanoparticles for reagent-free colorimetric glucose test strips. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128404	8.5	6
72	Facile Synthesis of F-TiO ₂ /TiO ₂ F ₂ Mixture by High-Thermal Direct Fluorination and Its Photocatalytic Evaluation. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4498-504	1.3	6
71	Activated carbon fibers for toxic gas removal based on electrical investigation: Mechanistic study of p-type/n-type junction structures. <i>Scientific Reports</i> , 2019 , 9, 14458	4.9	6
70	Hollow shaped nanofibers with (Ti, Sn)O ₂ solid-solutions: Synthesis, characterization, and photocatalytic application. <i>Journal of Alloys and Compounds</i> , 2014 , 614, 310-316	5.7	6
69	Control of drug release behavior of pH-responsive PVA/PAAc hydrogel by surface modification with oxyfluorination. <i>Macromolecular Research</i> , 2012 , 20, 1029-1036	1.9	6
68	Preparation of Pelletized Porous Adsorbent with Pyrolysis Temperature and Its Toluene Gas Adsorption Characteristics. <i>Applied Chemistry for Engineering</i> , 2013 , 24, 587-592		6
67	Preparation of Gas Sensor from Pitch-based Activated Carbon Fibers and Its Toxic Gas Sensing Characteristics. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 193-197		6
66	Preparation of pitch-based activated carbon with surface-treated fly ash for SO ₂ gas removal. <i>Carbon Letters</i> , 2020 , 30, 381-387	2.3	6
65	Influence of Fluorine Doping of Activated Carbon Fibers on Their Water Vapor Adsorption Characteristics. <i>Frontiers in Chemistry</i> , 2020 , 8, 593756	5	6
64	A key strategy to form a LiF-based SEI layer for a lithium-ion battery anode with enhanced cycling stability by introducing a semi-ionic C F bond. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 99, 48-54	6.3	6
63	The enhanced thermal and mechanical properties of graphite foams with a higher crystallinity and apparent density. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 696, 174-181	5.3	5
62	The synergistic effect of fluorination and embedded SnO ₂ on the NO gas sensing of expanded graphite. <i>Materials Research Bulletin</i> , 2019 , 116, 44-49	5.1	5
61	SiO/Carbon complex produced by carbothermal reduction for the anode materials of high-performance lithium ion battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2852-8	1.3	5
60	Electrochemical Properties of Surface-Fluorinated Vapor Grown Carbon Fiber for Lithium Ion Battery. <i>Collection of Czechoslovak Chemical Communications</i> , 2008 , 73, 1693-1704		5

59	Effects of NaCl/H ₃ PO ₄ Flame Retardant Treatment on Lyocell Fiber for Thermal Stability and Anti-oxidation Properties. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 418-424		5
58	Influence of the Pore Properties on Carbon Dioxide Adsorption of PAN-based Activated Carbon Nanofibers. <i>Porrime</i> , 2013 , 37, 592-599	1	5
57	Effect of crystallinity and particle size on coke-based anode for lithium ion batteries. <i>Carbon Letters</i> , 2020 , 31, 911	2.3	5
56	Treatment of radioactive waste salt by using synthetic silica-based phosphate composite for de-chlorination and solidification. <i>Journal of Nuclear Materials</i> , 2017 , 493, 388-397	3.3	4
55	Nitrate removal from water phase using Robinia pseudoacacia bark for solving eutrophication. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 1450-1454	2.8	4
54	Influence of oxyfluorinated graphite on fluorinated ethylene-propylene composites as bipolar plates. <i>Carbon Letters</i> , 2020 , 30, 345-352	2.3	4
53	Enhanced creep behavior of carbon black/epoxy composites with high dispersion stability by fluorination. <i>Carbon Letters</i> , 2019 , 29, 643-648	2.3	4
52	Oxyfluorination of expanded graphite: improving the thermal properties of epoxy composites through interfacial interaction. <i>Carbon Letters</i> , 2019 , 29, 401-409	2.3	4
51	Effect of oxyfluorination of PVA/PNIPAAm hydrogel on temperature responsive drug release. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	4
50	Synergistic effects induced by oxy-fluorination of carbon preforms to improve the mechanical and thermal properties of carbon-carbon composites. <i>Journal of Fluorine Chemistry</i> , 2011 , 132, 291-297	2.1	4
49	Preparation and Thermal Stability of FeS ₂ Fine Powder for Thermal Battery. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 72-77		4
48	Electrochemical Properties of Carbon Felt Electrode for Vanadium Redox Flow Batteries by Liquid Ammonia Treatment. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 292-299		4
47	Cu nanoparticle-embedded carbon foams with improved compressive strength and thermal conductivity. <i>Carbon Letters</i> , 2016 , 17, 65-69	2.3	4
46	Electromagnetic Interference Shielding Characteristics of Electroless Nickel Plated Carbon Nanotubes. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 268-273		4
45	Chemically Grafted Aminated Carbon Nanotubes and L-Lysine in Ultramodified Conditions for Carbon Dioxide Storage. <i>ACS Omega</i> , 2018 , 3, 10442-10448	3.9	4
44	Preparation of Conductive Carbon Films from Poly(vinyl alcohol) by Chemical Pre-Treatment and Pyrolysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 5481-5484	1.3	3
43	Designing an effective mitigation system based on the physical barrier for hazardous chemical leakage accidents. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 370-375	6.3	3
42	Deacetylation of cellulose acetate nanofibers by fluorination for carbon nanofibers. <i>Materials Letters</i> , 2016 , 181, 236-239	3.3	3

41	The textural and chemical changes in ACFs with E-beam and their influence on the detection of nerve agent simulant gases. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 79, 465-472	6.3	3
40	A selective drug-release system consisting of surface-modified electrospun carbon fibers by oxy/fluorination. <i>Journal of Porous Materials</i> , 2012 , 19, 781-789	2.4	3
39	Sustained release behavior of pH-responsive poly(vinyl alcohol)/poly(acrylic acid) hydrogels containing activated carbon fibers. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1050-1056	2.9	3
38	Adsorption Characteristics of Toluene Gas Using Fluorinated Phenol-based Activated Carbons. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 587-592		3
37	Influence of Textural Structure by Heat-treatment on Electrochemical Properties of Pitch-based Activated Carbon Fiber. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 598-603		3
36	Fabrication and Characteristics of Mesophase Pitch-Based Graphite Foams Prepared Using PVA-AAc Solution. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 706-713		3
35	New Application of Clay Filler for Carbon/Carbon Composites and Improvement of Filler Effect by Clay Size Reduction. <i>Carbon Letters</i> , 2010 , 11, 293-297	2.3	3
34	The Preparation and Property of Carbon Foams from Carbon Black Embedded Pitch Using PU Template. <i>Korean Chemical Engineering Research</i> , 2016 , 54, 268-273		3
33	Self-Cleaning Polyester Fabric Prepared with TiOF and Hexadecyltrimethoxysilane. <i>Polymers</i> , 2021 , 13,	4.5	3
32	Surface-Fluorinated Carbon Materials for Supercapacitor 2015 , 375-386		2
31	Water Vapor Adsorption Capacity of Thermally Fluorinated Carbon Molecular Sieves for CO ₂ Capture. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-6	3.2	2
30	Effects of multi-element dopants of TiO ₂ for high performance in dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2011 , 513, 573-573	5.7	2
29	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
28	Carbon-coated SiO _x anode materials via PVD and pyrolyzed fuel oil to achieve lithium-ion batteries with high cycling stability. <i>Carbon Letters</i> , 2022 , 32, 321	2.3	2
27	Electromagnetic Interference Shielding Efficiency Characteristics of Ammonia-treated Graphene Oxide. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 613-618		2
26	Enhancement of Electrochemical Properties of Activated Carbon Fibers with Controlled Surface Structure by Electron Beam Irradiation. <i>Porrime</i> , 2017 , 41, 500-506	1	2
25	Effect of Fluorination of Carbon Nanotubes on Physico-chemical and EMI Shielding Properties of Polymer Composites. <i>Porrime</i> , 2015 , 39, 114-121	1	2
24	Effect of E-beam Radiation with Acid Drenching on Surface Properties of Pitch-based Carbon Fibers. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 319-324		2

23	Volatile organic compounds (VOCs) removal using ACFs with electroless plating CuO as catalysts. <i>Carbon Letters</i> , 2020 , 30, 675-682	2.3	2
22	Effects of two different agents, H ₃ PO ₄ and NaCl, to increase the flame-retardant properties of cellulose fibers. <i>Carbon Letters</i> , 2019 , 29, 529-534	2.3	1
21	Photocatalytic Activity of Titanate Nanotube Powders in a Hybrid Pollution Control System. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-6	2.1	1
20	Adsorption Characteristics of Chromium Ion at Low Concentration Using Oxyfluorinated Activated Carbon Fibers. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 432-438		1
19	Enhancement of Nitrate Removal Ability in Aqueous Phase Using <i>Ulmus davidiana</i> Bark for Preventing Eutrophication. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 604-608		1
18	Effects of heat-treatment temperature on carbon-based composites with added illite. <i>Carbon Letters</i> , 2011 , 12, 95-101	2.3	1
17	Mechanical Property and Thermal Stability of Epoxy Composites Containing Poly(ether sulfone). <i>Porrime</i> , 2015 , 39, 426-432	1	1
16	Effect of kneading and carbonization temperature on the structure of the carbon block for thermally conductive bulk graphites. <i>Carbon Letters</i> , 2021 , 31, 1357	2.3	1
15	Improvement in Sensitivity of Electrochemical Glucose Biosensor Based on CuO/Au@MWCNTs Nanocomposites. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 145-152		1
14	Mechanical and Thermal Properties of Epoxy Composites Reinforced Fluorinated Illite and Carbon Nanotube. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 285-290		1
13	Effect of coke orientation on the electrochemical properties of lithium-ion battery anode. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 1407-1418	2.6	1
12	Visible light photocatalytic activity of TiO ₂ with carbon-fluorine heteroatoms simultaneously introduced by CF ₄ plasma. <i>Korean Journal of Chemical Engineering</i> , 1	2.8	1
11	Lithium ion adsorption characteristics of porous Li _{1.33} Mn _{1.67} O ₄ adsorbent prepared using petroleum-based pitch as a binder. <i>Hydrometallurgy</i> , 2022 , 209, 105837	4	0
10	Effects of the Graphene Oxide on Glucose Oxidase Immobilization Capabilities and Sensitivities of Carbon Nanotube-based Glucose Biosensor Electrodes. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 47-52		
9	Synthesis of Pitch from PFO, Byproduct of Naphtha Cracking Process Using UV Irradiation and AlCl ₃ Catalyst. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 224-228		
8	SO ₂ Adsorption Characteristics by Cellulose-Based Lyocell Activated Carbon Fiber on Cu Additive Effects. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 394-399		
7	Micro-sized carbon with dimple patterns prepared using an electro-spray method. <i>Carbon Letters</i> , 2015 , 16, 215-218	2.3	
6	Preparation and Characteristics of Fluorinated Carbon Nanotube Applied Capacitive Desalination Electrode with Low Energy Consumption. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 386-390		

- 5 Effects of carbon additives on heat-transfer and mechanical properties of high early strength cement mortar. *Carbon Letters*, **2016**, 20, 72-75 2.3
- 4 The Characteristics of Mesophase Pitch Prepared by Heterogeneous Fluorination Process from Pyrolysis Fuel Oil. *Applied Chemistry for Engineering*, **2016**, 27, 537-542
- 3 Physical-Chemical Properties of Graphite Foams Produced with Fluorinated Mesophase Pitch. *Korean Chemical Engineering Research*, **2016**, 54, 830-837
- 2 Influence of Fluorinated Illite on Thermal, Antibiotic and Far-infrared Emission Properties of Polypropylene Non-woven Fibers. *Porrime*, **2013**, 37, 86-93 1
- 1 Effect of Fluorination and Ultrasonic Washing Treatment on Surface Characteristic of Poly(ethylene terephthalate). *Porrime*, **2013**, 37, 316-322 1