

Young-Seak Lee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238
papers

5,198
citations

38
h-index

57
g-index

247
ext. papers

5,723
ext. citations

4.8
avg, IF

5.94
L-index

#	Paper	IF	Citations
238	Carbon-coated SiOx 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
237	Lithium ion adsorption characteristics of porous Li ₁₃₃ Mn ₁₆₇ O ₄ adsorbent prepared using petroleum-based pitch as a binder. <i>Hydrometallurgy</i> , 2022 , 209, 105837	4	0
236	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
235	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
234	Self-Cleaning Polyester Fabric Prepared with TiOF and Hexadecyltrimethoxysilane. <i>Polymers</i> , 2021 , 13,	4.5	3
233	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
232	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
231	Influence of oxyfluorinated graphite on fluorinated ethylene-propylene composites as bipolar plates. <i>Carbon Letters</i> , 2020 , 30, 345-352	2.3	4
230	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
229	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
228	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
227	Effect of crystallinity and particle size on coke-based anode for lithium ion batteries. <i>Carbon Letters</i> , 2020 , 31, 911	2.3	5
226	Volatile organic compounds (VOCs) removal using ACFs with electroless plating CuO as catalysts. <i>Carbon Letters</i> , 2020 , 30, 675-682	2.3	2
225	Influence of Fluorine Doping of Activated Carbon Fibers on Their Water Vapor Adsorption Characteristics. <i>Frontiers in Chemistry</i> , 2020 , 8, 593756	5	6
224	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
223	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
222	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

221	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
220	Micropore-structured activated carbon prepared by waste PET/petroleum-based pitch. <i>Carbon Letters</i> , 2019 , 29, 385-392	2.3	16
219	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
218	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
217	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
216	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
215	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
214	Rational molecular design of polymeric materials toward efficient triboelectric energy harvesting. <i>Nano Energy</i> , 2019 , 66, 104158	17.1	22
213	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
212	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
211	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
210	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
209	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
208	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
207	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
206	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
205	Fluorination effect of activated carbons on performance of asymmetric capacitive deionization. <i>Applied Surface Science</i> , 2017 , 409, 117-123	6.7	31
204	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

203	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
202	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
201	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
200	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
199	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
198	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
197	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
196	Mechanical properties of epoxy composites reinforced with ammonia-treated graphene oxides. <i>Carbon Letters</i> , 2017 , 21, 1-7	2.3	21
195	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
194	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
193	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
192	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
191	Facile Synthesis of F-TiO ₂ /TiOF 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
190	Deacetylation of cellulose acetate nanofibers by fluorination for carbon nanofibers. <i>Materials Letters</i> , 2016 , 181, 236-239	3.3	3
189	Characterization of pitch derived from pyrolyzed fuel oil using TLC-FID and MALDI-TOF. <i>Fuel</i> , 2016 , 167, 25-30	7.1	32
188	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
187	Characteristics of fluorinated CNTs added carbon foams. <i>Applied Surface Science</i> , 2016 , 360, 1009-1015	6.7	7
186	Functionalization of graphene oxide by fluorination and its characteristics. <i>Journal of Fluorine Chemistry</i> , 2016 , 182, 91-97	2.1	19

185	NH3 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
184	Cu nanoparticle-embedded carbon foams with improved compressive strength and thermal conductivity. <i>Carbon Letters</i> , 2016 , 17, 65-69	2.3	4
183	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
182	Cellulose-based carbon fibers prepared using electron-beam stabilization. <i>Carbon Letters</i> , 2016 , 18, 56-61.3	1.3	9
181	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
180	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
179	Improvement in Sensitivity of Electrochemical Glucose Biosensor Based on CuO/Au@MWCNTs Nanocomposites. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 145-152		1
178	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
177	Mechanical and Thermal Properties of Epoxy Composites Reinforced Fluorinated Illite and Carbon Nanotube. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 285-290		1
176	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		
175	Effects of carbon additives on heat-transfer and mechanical properties of high early strength cement mortar. <i>Carbon Letters</i> , 2016 , 20, 72-75	2.3	
174	The Characteristics of Mesophase Pitch Prepared by Heterogeneous Fluorination Process from Pyrolysis Fuel Oil. <i>Applied Chemistry for Engineering</i> , 2016 , 27, 537-542		
173	Physical-Chemical Properties of Graphite Foams Produced with Fluorinated Mesophase Pitch. <i>Korean Chemical Engineering Research</i> , 2016 , 54, 830-837		
172	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
171	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
170	A Comprehensive Review of Gas Sensors Using Carbon Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4310-9	1.3	13
169	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
168	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

167	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
166	Electrochemical properties of a non-aqueous redox battery with all-organic redox couples. <i>Electrochemistry Communications</i> , 2015 , 59, 68-71	5.1	45
165	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
164	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
163	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
162	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
161	Preparation and characterization of graphite foams. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 21-33	6.3	31
160	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
159	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
158	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
157	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
156	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
155	Characteristics of a high compressive strength graphite foam prepared from pitches using a PVAAc solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 127-133	6.3	13
154	Surface-Fluorinated Carbon Materials for Supercapacitor 2015 , 375-386		2
153	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
152	Effects of the Fluorination of Activated Carbons on the Chromium Ion Adsorption. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 92-98		7
151	Adsorption Characteristics of Chromium Ion at Low Concentration Using Oxyfluorinated Activated Carbon Fibers. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 432-438		1
150	Adsorption Characteristics of Toluene Gas Using Fluorinated Phenol-based Activated Carbons. <i>Applied Chemistry for Engineering</i> , 2015 , 26, 587-592		3

149	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
148	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
147	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
146	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
145	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
144	Mechanical Property and Thermal Stability of Epoxy Composites Containing Poly(ether sulfone). <i>Porrime</i> , 2015 , 39, 426-432	1	1
143	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
142	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		
141	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		
140	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		
139	Micro-sized carbon with dimple patterns prepared using an electro-spray method. <i>Carbon Letters</i> , 2015 , 16, 215-218	2.3	
138	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
137	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
136	Improved flame-retardant properties of lyocell fiber achieved by phosphorus compound. <i>Materials Letters</i> , 2014 , 135, 226-228	3.3	19
135	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
134	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
133	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
132	Boron-doped carbon prepared from PFO as a lithium-ion battery anode. <i>Solid State Sciences</i> , 2014 , 34, 38-42	3.4	13

131	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
130	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
129	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
128	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
127	Preparation and Thermal Stability of FeS ₂ Fine Powder for Thermal Battery. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 72-77		4
126	Effects of Pyrite (FeS ₂) Particle Sizes on Electrochemical Characteristics of Thermal Batteries. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 161-166		10
125	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
124	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
123	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
122	Electromagnetic Interference Shielding Efficiency Characteristics of Ammonia-treated Graphene Oxide. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 613-618		2
121	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
120	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
119	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
118	Novel reforming of pyrolyzed fuel oil by electron beam radiation for pitch production. <i>Carbon Letters</i> , 2014 , 15, 262-267	2.3	14
117	Electromagnetic Interference Shielding Characteristics of Electroless Nickel Plated Carbon Nanotubes. <i>Applied Chemistry for Engineering</i> , 2014 , 25, 268-273		4
116	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
115	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
114	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

113	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
112	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
111	Influence of the textual 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
110	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
109	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
108	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
107	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
106	Preparation and Applications of Activated Electrospun Nanofibers for Energy Storage Materials. <i>Current Organic Chemistry</i> , 2013 , 17, 1424-1433	1.7	7
105	Influence of the Pore Properties on Carbon Dioxide Adsorption of PAN-based Activated Carbon Nanofibers. <i>Porrime</i> , 2013 , 37, 592-599	1	5
104	Influence of Fluorinated Illite on Thermal, Antibiotic and Far-infrared Emission Properties of Polypropylene Non-woven Fibers. <i>Porrime</i> , 2013 , 37, 86-93	1	
103	Effect of Fluorination and Ultrasonic Washing Treatment on Surface Characteristic of Poly(ethylene terephthalate). <i>Porrime</i> , 2013 , 37, 316-322	1	
102	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
101	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
100	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
99	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
98	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
97	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
96	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

95	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
94	CNTPt counter electrode prepared using a polyol process to achieve high performance in dye-sensitised solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1023-1028	6.3	7
93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	Multifunctional surface modification of an aramid fabric via direct fluorination. <i>Journal of Fluorine Chemistry</i> , 2012 , 141, 69-75	2.1	27
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