

Jong-gu Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8248336/publications.pdf>

Version: 2024-02-01

23
papers

636
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.3	125
2	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.	4.0	46
3	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.	4.7	46
4	Characterization of pitch derived from pyrolyzed fuel oil using TLC-FID and MALDI-TOF. <i>Fuel</i> , 2016, 167, 25-30.	6.4	45
5	Synthesis and its characterization of pitch from pyrolyzed fuel oil (PFO). <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 293-297.	5.8	40
6	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.	4.0	37
7	A mesoporous WO ₃ /graphene composite as a high-performance Li-ion battery anode. <i>Applied Surface Science</i> , 2014, 316, 604-609.	6.1	36
8	Electrochemical and structural properties of lithium battery anode materials by using a molecular weight controlled pitch derived from petroleum residue. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 41, 1-9.	5.8	36
9	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.	5.8	21
10	Empirical approach to determine molecular weight distribution using MALDI-TOF analysis of petroleum-based heavy oil. <i>Fuel</i> , 2016, 186, 20-23.	6.4	21
11	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.	6.1	19
12	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.	5.8	19
13	Influence of oxyfluorination on activated carbon nanofibers for CO ₂ storage. <i>Carbon Letters</i> , 2011, 12, 236-242.	5.9	19
14	Surface modification of electrospun spherical activated carbon for a high-performance biosensor electrode. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 151-158.	7.8	17
15	Boron-doped carbon prepared from PFO as a lithium-ion battery anode. <i>Solid State Sciences</i> , 2014, 34, 38-42.	3.2	17
16	Controlling the electrochemical properties of an anode prepared from pitch-based soft carbon for Li-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 99-104.	5.8	17
17	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.	3.1	13
18	Effects of pressure-controlled reaction and blending of PFO and FCC-DO for mesophase pitch. <i>Carbon Letters</i> , 2019, 29, 203-212.	5.9	13

#	ARTICLE	IF	CITATIONS
19	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.	5.8	12
20	The hydrogen storage capacity of metal-containing polyacrylonitrile-based electrospun carbon nanofibers. <i>Carbon Letters</i> , 2011, 12, 171-176.	5.9	12
21	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.	6.1	11
22	Effects of Pore Structure on the High-Performance Capacitive Deionization Using Chemically Activated Carbon Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2268-2273.	0.9	7
23	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.	5.2	7