

# Jong-gu Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

636  
citations

566801

15  
h-index

642321

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.                                                               | 5.4 | 125       |
| 2  | Effective electromagnetic interference shielding by electrospun carbon fibers involving Fe <sub>2</sub> O <sub>3</sub> /BaTiO <sub>3</sub> /MWCNT additives. <i>Materials Chemistry and Physics</i> , 2010, 124, 434-438.                     | 2.0 | 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. | 2.3 | 46        |
| 4  | Characterization of pitch derived from pyrolyzed fuel oil using TLC-FID and MALDI-TOF. <i>Fuel</i> , 2016, 167, 25-30.                                                                                                                        | 3.4 | 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.                                                                                        | 2.9 | 40        |
| 6  | Effect of heat treatment on ZrO <sub>2</sub> -embedded electrospun carbon fibers used for efficient electromagnetic interference shielding. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1175-1179.                          | 1.9 | 37        |
| 7  | A mesoporous WO <sub>3</sub> /graphene composite as a high-performance Li-ion battery anode. <i>Applied Surface Science</i> , 2014, 316, 604-609.                                                                                             | 3.1 | 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.             | 2.9 | 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.                                                     | 2.9 | 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.                                                                                          | 3.4 | 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.                                     | 3.1 | 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.                                                   | 2.9 | 19        |
| 13 | Influence of oxyfluorination on activated carbon nanofibers for CO <sub>2</sub> storage. <i>Carbon Letters</i> , 2011, 12, 236-242.                                                                                                           | 3.3 | 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.                                                                     | 4.0 | 17        |
| 15 | Boron-doped carbon prepared from PFO as a lithium-ion battery anode. <i>Solid State Sciences</i> , 2014, 34, 38-42.                                                                                                                           | 1.5 | 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.                                                 | 2.9 | 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.                                                       | 1.5 | 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.                                                                                                        | 3.3 | 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.             | 2.9 | 12        |
| 20 | The hydrogen storage capacity of metal-containing polyacrylonitrile-based electrospun carbon nanofibers. <i>Carbon Letters</i> , 2011, 12, 171-176.                                             | 3.3 | 12        |
| 21 | Investigation of the growth and in situ heating transmission electron microscopy analysis of Ag <sub>2</sub> S-catalyzed ZnS nanowires. <i>Applied Surface Science</i> , 2018, 436, 556-561.    | 3.1 | 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 <sub>2</sub> on the NO gas sensing of expanded graphite. <i>Materials Research Bulletin</i> , 2019, 116, 44-49.                         | 2.7 | 7         |