

# Whirang Cho

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

306  
citations

1163117

8  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

574  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | High resolution voltammetric and field-effect transistor readout of carbon fiber microelectrode biosensors. <i>Sensors &amp; Diagnostics</i> , 2022, 1, 460-464.   | 3.8  | 2         |
| 2  | Carbon Fiber Microelectrode pH Sensors with Voltammetry and Field Effect Transistors. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2229-2229.   | 0.0  | 0         |
| 3  | High crystallinity of tunicate cellulose nanofibers for high-performance engineering films. <i>Carbohydrate Polymers</i> , 2021, 254, 117470.  | 10.2 | 22        |
| 4  | Direct Detection of DNA and RNA on Carbon Fiber Microelectrodes Using Fast-Scan Cyclic Voltammetry. <i>ACS Omega</i> , 2021, 6, 6571-6581.   | 3.5  | 10        |
| 5  | Mechanical enhancement of cellulose nanofibril (CNF) films through the addition of water-soluble polymers. <i>Cellulose</i> , 2021, 28, 6449.  | 4.9  | 8         |
| 6  | Particle Size Distributions for Cellulose Nanocrystals Measured by Transmission Electron Microscopy: An Interlaboratory Comparison. <i>Analytical Chemistry</i> , 2020, 92, 13434-13442.                       | 6.5  | 29        |
| 7  | Intumescent polydopamine coatings for fire protection. <i>Green Materials</i> , 2020, 8, 162-171.  | 2.1  | 7         |
| 8  | Eco-degradable and Flexible Solid-state Ionic Conductors by Clay-nanoconfined DMSO Composites. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900134.   | 5.3  | 10        |
| 9  | Timed Electrodeposition of PEDOT:Nafion onto Carbon Fiber-Microelectrodes Enhances Dopamine Detection in Zebrafish Retina. <i>Journal of the Electrochemical Society</i> , 2020, 167, 115501.                  | 2.9  | 15        |
| 10 | Polymer Modified Carbon Fiber Microelectrodes for Precision Neurotransmitter Metabolite Measurements. <i>Journal of the Electrochemical Society</i> , 2020, 167, 167507.                                       | 2.9  | 6         |
| 11 | The Monitoring of Neurochemical Dynamics in Zebrafish Retina using Fast Scan Cyclic Voltammetry. <i>FASEB Journal</i> , 2020, 34, 1-1.   | 0.5  | 2         |
| 12 | Soft electronics on asymmetrical porous conducting membranes by molecular layer-by-layer assembly. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 916-925.  | 7.8  | 17        |
| 13 | Nanoarchitecturing of Natural Melanin Nanospheres by Layer-by-Layer Assembly: Macroscale Anti-inflammatory Conductive Coatings with Optoelectronic Tunability. <i>Biomacromolecules</i> , 2017, 18, 1908-1917. | 5.4  | 39        |
| 14 | Tunable synthesis of hierarchical mesoporous silica via porogen-carrying organosilicates. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 409-415.  | 4.4  | 1         |
| 15 | Controlling the Morphology of Organic Crystals with Filamentous Bacteriophages. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15707-15715.  | 8.0  | 4         |
| 16 | Synthesis and characterization of bicontinuous cubic poly(3,4-ethylene dioxythiophene) gyroid (PEDOT GYR) gels. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5115-5123.                              | 2.8  | 26        |
| 17 | Highly aligned poly(3,4-ethylene dioxythiophene) (PEDOT) nano- and microscale fibers and tubes. <i>Polymer</i> , 2013, 54, 702-708.  | 3.8  | 73        |
| 18 | Targeted Binding of the M13 Bacteriophage to Thiamethoxam Organic Crystals. <i>Langmuir</i> , 2012, 28, 6013-6020.   | 3.5  | 16        |

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|----|--|-----|-----------|
| 19 | A facile method for the preferential alignment of mesochannels in silica films by solution flow. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 136-140.             | 4.4 | 8         |
| 20 | Thermally induced mesophase development in ethanesilica films via macromolecular templating approach. <i>Macromolecular Research</i> , 2009, 17, 697-702.                      | 2.4 | 4         |
| 21 | Synthesis of porous silica with hierarchical structure directed by a silica precursor carrying a pore-generating cage. <i>Journal of Materials Chemistry</i> , 2008, 18, 4971. | 6.7 | 7         |