

# Taeseon Hwang

## 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.

24  
papers

664  
citations

14  
h-index

25  
g-index

25  
ext. papers

745  
ext. citations

4.8  
avg, IF

3.59  
L-index

#	Paper	IF	Citations
24	Synchronous Polymerization of 3,4-Ethylenedioxythiophene and Pyrrole by Plasma Enhanced Chemical Vapor Deposition (PECVD) for Conductive Thin Film with Tunable Energy Bandgap. <i>Macromolecular Research</i> , <b>2019</b> , 27, 243-249	1.9	7
23	High-performance polyvinyl chloride gel artificial muscle actuator with graphene oxide and plasticizer. <i>Scientific Reports</i> , <b>2019</b> , 9, 9658	4.9	23
22	Formation of a gold nanoparticle layer for the electrodes of ionic polymer-metal composites by electroless deposition process. <i>Applied Surface Science</i> , <b>2019</b> , 470, 8-12	6.7	6
21	Mechanical properties and cytotoxicity of PLA/PCL films. <i>Biomedical Engineering Letters</i> , <b>2018</b> , 8, 267-273	3.6	27
20	Understanding the Thermal Properties of Precursor-Ionomers to Optimize Fabrication Processes for Ionic Polymer-Metal Composites (IPMCs). <i>Materials</i> , <b>2018</b> , 11,	3.5	5
19	Bioinspired travelling wave generation in soft-robotics using ionic polymer-metal composites. <i>International Journal of Intelligent Robotics and Applications</i> , <b>2017</b> , 1, 167-179	1.7	9
18	Promising Developments in Marine Applications With Artificial Muscles: Electrodeless Artificial Cilia Microfibers. <i>Marine Technology Society Journal</i> , <b>2016</b> , 50, 24-34	0.5	17
17	Ultrafiltration using graphene oxide surface-embedded polysulfone membranes. <i>Separation and Purification Technology</i> , <b>2016</b> , 166, 41-47	8.3	45
16	Dropwise steam condensation on various hydrophobic surfaces: Polyphenylene sulfide (PPS), polytetrafluoroethylene (PTFE), and self-assembled micro/nano silver (SAMS). <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 89, 353-358	4.9	32
15	A new ionic polymer-metal composite based on Nafion/poly(vinyl alcohol-co-ethylene) blends. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 105011	3.4	15
14	Electromechanical performance and other characteristics of IPMCs fabricated with various commercially available ion exchange membranes. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 074001	3.4	10
13	An interleaved porous laminate composed of reduced graphene oxide sheets and carbon black spacers by in situ electrophoretic deposition. <i>RSC Advances</i> , <b>2014</b> , 4, 3284-3292	3.7	44
12	Supercapacitor characteristics of pressurized RuO <sub>2</sub> /carbon powder as binder-free electrodes. <i>RSC Advances</i> , <b>2014</b> , 4, 48276-48284	3.7	22
11	Experimentally tuned dual stage hydrogen compressor for improved compression ratio. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 12924-12933	6.7	16
10	Large-area, conductive and flexible reduced graphene oxide (RGO) membrane fabricated by electrophoretic deposition (EPD). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1747-53	9.5	77
9	Noncovalently assembled nanotubular porous layers for delaying of heating surface failure. <i>Scientific Reports</i> , <b>2014</b> , 4, 6817	4.9	4
8	Solution processed SiN <sub>x</sub> CyO <sub>z</sub> thin films thermally transformed from silicon oxide/melamine hybrid system. <i>Thin Solid Films</i> , <b>2013</b> , 539, 294-302	2.2	1

7	High thermal conductivity epoxy composites with bimodal distribution of aluminum nitride and boron nitride fillers. <i>Thermochimica Acta</i> , <b>2012</b> , 537, 70-75	2.9	151
6	Solution-Processed Graphite Membrane from Reassembled Graphene Oxide. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 594-599	9.6	77
5	Chemically-modified graphene sheets as an active layer for eco-friendly metal electroplating on plastic substrates. <i>Thin Solid Films</i> , <b>2012</b> , 521, 270-274	2.2	10
4	High-performance heat-sink composites incorporating micron-sized inorganic fillers and Sn/In metal particles. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 2435-2442	2.3	5
3	One-step metal electroplating and patterning on a plastic substrate using an electrically-conductive layer of few-layer graphene. <i>Carbon</i> , <b>2012</b> , 50, 612-621	10.4	20
2	A novel synthetic route to natural rubber/montmorillonite nanocomposites using colloid stabilization/destabilization method. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2011</b> , 42, 1826-1832	8.4	11
1	Synthesis and barrier properties of poly(vinylidene chloride-co-acrylonitrile)/SiO <sub>2</sub> hybrid composites by sol-gel process. <i>Journal of Membrane Science</i> , <b>2009</b> , 345, 90-96	9.6	30