

# Jong-Seon Kim

## List of Publications by Citations

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19  
papers

1,725  
citations

12  
h-index

19  
g-index

19  
ext. papers

1,982  
ext. citations

14  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
19	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. <i>Nature Communications</i> , <b>2014</b> , 5, 3329	17.4	384
18	Highly Enhanced Gas Adsorption Properties in Vertically Aligned MoS <sub>2</sub> Layers. <i>ACS Nano</i> , <b>2015</b> , 9, 9314-216.7	16.7	310
17	Tunable volatile organic compounds sensor by using thiolated ligand conjugation on MoS <sub>2</sub> . <i>Nano Letters</i> , <b>2014</b> , 14, 5941-7	11.5	282
16	Superior Chemical Sensing Performance of Black Phosphorus: Comparison with MoS <sub>2</sub> and Graphene. <i>Advanced Materials</i> , <b>2016</b> , 28, 7020-8	24	267
15	High-Resolution p-Type Metal Oxide Semiconductor Nanowire Array as an Ultrasensitive Sensor for Volatile Organic Compounds. <i>Nano Letters</i> , <b>2016</b> , 16, 4508-15	11.5	124
14	An Ultrasensitive, Visco-Poroelastic Artificial Mechanotransducer Skin Inspired by Piezo2 Protein in Mammalian Merkel Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605973	24	93
13	Tunable Volatile-Organic-Compound Sensor by Using Au Nanoparticle Incorporation on MoS. <i>ACS Sensors</i> , <b>2017</b> , 2, 183-189	9.2	91
12	An Ultrastable Ionic Chemiresistor Skin with an Intrinsically Stretchable Polymer Electrolyte. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706851	24	54
11	Ultrafast Interfacial Self-Assembly of 2D Transition Metal Dichalcogenides Monolayer Films and Their Vertical and In-Plane Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1021-1028	9.5	30
10	Highly Enhanced Fluorescence Signals of Quantum Dot-Polymer Composite Arrays Formed by Hybridization of Ultrathin Plasmonic Au Nanowalls. <i>Nano Letters</i> , <b>2015</b> , 15, 7273-80	11.5	30
9	Hierarchical Ordering of Quantum Dots and Liquid with Tunable Super-Periodicity into High Aspect Ratio Moiré Superlattice Structure. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6939-6947	15.6	18
8	Direct Observation of Highly Ordered Dendrimer Soft Building Blocks over a Large Area. <i>Nano Letters</i> , <b>2015</b> , 15, 7552-7	11.5	16
7	Generation of Monodisperse, Shape-Controlled Single and Hybrid Core-Shell Nanoparticles via a Simple One-Step Process. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 841-847	15.6	11
6	The Effect of a Flow Field on Chemical Detection Performance of Quadrotor Drone. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
5	Real-Time Measurement of Ammonia (NH <sub>3</sub> ) in Artillery Smoke Using a Passive FT-IR Remote Sensor. <i>ACS Omega</i> , <b>2019</b> , 4, 16768-16773	3.9	3
4	Sensors: Stretchable, Multiplexed pH Sensors With Demonstrations on Rabbit and Human Hearts Undergoing Ischemia (Adv. Healthcare Mater. 1/2014). <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 2-2	10.1	3
3	Indoor and Outdoor Tests for a Chemi-capacitance Carbon Nanotube Sensor Installed on a Quadrotor Unmanned Aerial Vehicle for Dimethyl Methylphosphonate Detection and Mapping. <i>ACS Omega</i> , <b>2021</b> , 6, 16159-16164	3.9	2

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| 2 | Artificial Skin: An Ultrasensitive, Visco-Poroelastic Artificial Mechanotransducer Skin Inspired by Piezo2 Protein in Mammalian Merkel Cells (Adv. Mater. 13/2017). <i>Advanced Materials</i> , <b>2017</b> , 29, | 24 | 1 |
| 1 | Sensors: An Ultrastable Ionic Chemiresistor Skin with an Intrinsically Stretchable Polymer Electrolyte (Adv. Mater. 20/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870140                               | 24 |   |