

Jong-Seon Kim

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.

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	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> , 2021 , 6, 16159-16164	3.9	2
18	The Effect of a Flow Field on Chemical Detection Performance of Quadrotor Drone. <i>Sensors</i> , 2020 , 20,	3.8	6
17	Real-Time Measurement of Ammonia (NH ₃) in Artillery Smoke Using a Passive FT-IR Remote Sensor. <i>ACS Omega</i> , 2019 , 4, 16768-16773	3.9	3
16	An Ultrastable Ionic Chemiresistor Skin with an Intrinsically Stretchable Polymer Electrolyte. <i>Advanced Materials</i> , 2018 , 30, e1706851	24	54
15	Sensors: An Ultrastable Ionic Chemiresistor Skin with an Intrinsically Stretchable Polymer Electrolyte (Adv. Mater. 20/2018). <i>Advanced Materials</i> , 2018 , 30, 1870140	24	
14	Tunable Volatile-Organic-Compound Sensor by Using Au Nanoparticle Incorporation on MoS ₂ . <i>ACS Sensors</i> , 2017 , 2, 183-189	9.2	91
13	An Ultrasensitive, Visco-Poroelastic Artificial Mechanotransducer Skin Inspired by Piezo2 Protein in Mammalian Merkel Cells. <i>Advanced Materials</i> , 2017 , 29, 1605973	24	93
12	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> , 2017 , 29,	24	1
11	Ultrafast Interfacial Self-Assembly of 2D Transition Metal Dichalcogenides Monolayer Films and Their Vertical and In-Plane Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1021-1028	9.5	30
10	High-Resolution p-Type Metal Oxide Semiconductor Nanowire Array as an Ultrasensitive Sensor for Volatile Organic Compounds. <i>Nano Letters</i> , 2016 , 16, 4508-15	11.5	124
9	Superior Chemical Sensing Performance of Black Phosphorus: Comparison with MoS ₂ and Graphene. <i>Advanced Materials</i> , 2016 , 28, 7020-8	24	267
8	Highly Enhanced Fluorescence Signals of Quantum Dot-Polymer Composite Arrays Formed by Hybridization of Ultrathin Plasmonic Au Nanowalls. <i>Nano Letters</i> , 2015 , 15, 7273-80	11.5	30
7	Direct Observation of Highly Ordered Dendrimer Soft Building Blocks over a Large Area. <i>Nano Letters</i> , 2015 , 15, 7552-7	11.5	16
6	Highly Enhanced Gas Adsorption Properties in Vertically Aligned MoS ₂ Layers. <i>ACS Nano</i> , 2015 , 9, 9314-216.7	16.7	310
5	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. <i>Nature Communications</i> , 2014 , 5, 3329	17.4	384
4	Generation of Monodisperse, Shape-Controlled Single and Hybrid Core-Shell Nanoparticles via a Simple One-Step Process. <i>Advanced Functional Materials</i> , 2014 , 24, 841-847	15.6	11
3	Hierarchical Ordering of Quantum Dots and Liquid with Tunable Super-Periodicity into High Aspect Ratio Moiré Superlattice Structure. <i>Advanced Functional Materials</i> , 2014 , 24, 6939-6947	15.6	18

2	Tunable volatile organic compounds sensor by using thiolated ligand conjugation on MoS ₂ . <i>Nano Letters</i> , 2014 , 14, 5941-7	11.5	282
1	Sensors: Stretchable, Multiplexed pH Sensors With Demonstrations on Rabbit and Human Hearts Undergoing Ischemia (Adv. Healthcare Mater. 1/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 2-2	10.1	3