Jong-Seon Kim

List of Publications by Year
in descending order

19 papers	2,243 citations	687220 13 h-index	839398 18 g-index
19 all docs	19 docs citations	19 times ranked	4460 citing authors

#	Article	IF	Citations
1	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. Nature Communications, 2014, 5, 3329.	5.8	485
2	Highly Enhanced Gas Adsorption Properties in Vertically Aligned MoS₂ Layers. ACS Nano, 2015, 9, 9314-9321.	7.3	417
3	Superior Chemical Sensing Performance of Black Phosphorus: Comparison with MoS₂ and Graphene. Advanced Materials, 2016, 28, 7020-7028.	11.1	355
4	Tunable Volatile Organic Compounds Sensor by Using Thiolated Ligand Conjugation on MoS₂. Nano Letters, 2014, 14, 5941-5947.	4.5	331
5	High-Resolution p-Type Metal Oxide Semiconductor Nanowire Array as an Ultrasensitive Sensor for Volatile Organic Compounds. Nano Letters, 2016, 16, 4508-4515.	4.5	156
6	An Ultrasensitive, Viscoâ€Poroelastic Artificial Mechanotransducer Skin Inspired by Piezo2 Protein in Mammalian Merkel Cells. Advanced Materials, 2017, 29, 1605973.	11.1	147
7	Tunable Volatile-Organic-Compound Sensor by Using Au Nanoparticle Incorporation on MoS₂. ACS Sensors, 2017, 2, 183-189.	4.0	118
8	An Ultrastable Ionic Chemiresistor Skin with an Intrinsically Stretchable Polymer Electrolyte. Advanced Materials, 2018, 30, e1706851.	11.1	75
9	Ultrafast Interfacial Self-Assembly of 2D Transition Metal Dichalcogenides Monolayer Films and Their Vertical and In-Plane Heterostructures. ACS Applied Materials & Interfaces, 2017, 9, 1021-1028.	4.0	43
10	Highly Enhanced Fluorescence Signals of Quantum Dotâ€“Polymer Composite Arrays Formed by Hybridization of Ultrathin Plasmonic Au Nanowalls. Nano Letters, 2015, 15, 7273-7280.	4.5	38
11	Direct Observation of Highly Ordered Dendrimer Soft Building Blocks over a Large Area. Nano Letters, 2015, 15, 7552-7557.	4.5	19
12	Hierarchical Ordering of Quantum Dots and Liquid with Tunable Superâ€Periodicity into High Aspect Ratio MoirÃ© Superlattice Structure. Advanced Functional Materials, 2014, 24, 6939-6947.	7.8	18
13	The Effect of a Flow Field on Chemical Detection Performance of Quadrotor Drone. Sensors, 2020, 20, 3262.	2.1	15
14	Generation of Monodisperse, Shapeâ€Controlled Single and Hybrid Coreâ€“Shell Nanoparticles via a Simple Oneâ€Step Process. Advanced Functional Materials, 2014, 24, 841-847.	7.8	11
15	Real-Time Measurement of Ammonia (NH₃) in Artillery Smoke Using a Passive FT-IR Remote Sensor. ACS Omega, 2019, 4, 16768-16773.	1.6	7
16	Indoor and Outdoor Tests for a Chemi-capacitance Carbon Nanotube Sensor Installed on a Quadrotor Unmanned Aerial Vehicle for Dimethyl Methylphosphonate Detection and Mapping. ACS Omega, 2021, 6, 16159-16164.	1.6	4
17	Sensors: Stretchable, Multiplexed pH Sensors With Demonstrations on Rabbit and Human Hearts Undergoing Ischemia (Adv. Healthcare Mater. 1/2014). Advanced Healthcare Materials, 2014, 3, 2-2.	3.9	3
18	Artificial Skin: An Ultrasensitive, Viscoâ€Poroelastic Artificial Mechanotransducer Skin Inspired by Piezo2 Protein in Mammalian Merkel Cells (Adv. Mater. 13/2017). Advanced Materials, 2017, 29, .	11.1	1

#	Article	IF	Citations
19	Sensors: An Ultrastable Ionic Chemiresistor Skin with an Intrinsically Stretchable Polymer Electrolyte (Adv. Mater. 20/2018). Advanced Materials, 2018, 30, 1870140.	11.1	0