

Yeon Hoo Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8644551/publications.pdf>

Version: 2024-02-01

26
papers

1,700
citations

394421

19
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

2620
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Activated Transparent All-Graphene Gas Sensor with Endurance to Humidity and Mechanical Bending. <i>ACS Nano</i> , 2015, 9, 10453-10460.	14.6	277
2	Role of oxygen functional groups in graphene oxide for reversible room-temperature NO ₂ sensing. <i>Carbon</i> , 2015, 91, 178-187.	10.3	183
3	Highly selective and sensitive chemoresistive humidity sensors based on rGO/MoS ₂ van der Waals composites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5016-5024.	10.3	132
4	Chemoresistive materials for electronic nose: Progress, perspectives, and challenges. <i>Informa Materials</i> , 2019, 1, 289-316.	17.3	123
5	Room temperature humidity sensors based on rGO/MoS ₂ hybrid composites synthesized by hydrothermal method. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 775-782.	7.8	121
6	Two-Dimensional NbS ₂ Gas Sensors for Selective and Reversible NO ₂ Detection at Room Temperature. <i>ACS Sensors</i> , 2019, 4, 2395-2402.	7.8	101
7	Highly sensitive and selective H ₂ and NO ₂ gas sensors based on surface-decorated WO ₃ nanoflowers. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 294-301.	7.8	99
8	Two-Dimensional Transition Metal Disulfides for Chemoresistive Gas Sensing: Perspective and Challenges. <i>Chemosensors</i> , 2017, 5, 15.	3.6	92
9	Chemically fluorinated graphene oxide for room temperature ammonia detection at ppb levels. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19116-19125.	10.3	83
10	Ultrasensitive reversible oxygen sensing by using liquid-exfoliated MoS ₂ nanoparticles. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6070-6076.	10.3	76
11	Band gap engineering of graphene oxide for ultrasensitive NO ₂ gas sensing. <i>Carbon</i> , 2020, 159, 175-184.	10.3	52
12	Au decoration of a graphene microchannel for self-activated chemoresistive flexible gas sensors with substantially enhanced response to hydrogen. <i>Nanoscale</i> , 2019, 11, 2966-2973.	5.6	46
13	NO ₂ sensing properties of porous Au-incorporated tungsten oxide thin films prepared by solution process. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 512-520.	7.8	45
14	Synergetically Selective Toluene Sensing in Hematite-Decorated Nickel Oxide Nanocorals. <i>Advanced Materials Technologies</i> , 2017, 2, 1600259.	5.8	41
15	Vertically ordered SnO ₂ nanobamboos for substantially improved detection of volatile reducing gases. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17939-17945.	10.3	40
16	Tailored Graphene Micropatterns by Wafer-Scale Direct Transfer for Flexible Chemical Sensor Platform. <i>Advanced Materials</i> , 2021, 33, e2004827.	21.0	40
17	Effects of Grain Boundary Density on the Gas Sensing Properties of Triethylsilylethynyl-Anthradithiophene Field-Effect Transistors. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701399.	3.7	39
18	Direct-printed nanoscale metal-oxide-wire electronics. <i>Nano Energy</i> , 2019, 58, 437-446.	16.0	36

#	ARTICLE	IF	CITATIONS
19	Utilization of both-side metal decoration in close-packed SnO ₂ nanodome arrays for ultrasensitive gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 314-321.	7.8	30
20	Enhanced nucleation of germanium on graphene <i>via</i> dipole engineering. <i>Nanoscale</i> , 2018, 10, 5689-5694.	5.6	14
21	Fabrication of a Microcavity Prepared by Remote Epitaxy over Monolayer Molybdenum Disulfide. <i>ACS Nano</i> , 2022, 16, 2399-2406.	14.6	13
22	Hierarchical assembly of ZnO nanowire trunks decorated with ZnO nanosheets for lithium ion battery anodes. <i>RSC Advances</i> , 2020, 10, 13655-13661.	3.6	9
23	Enhanced van der Waals epitaxy of germanium by out-of-plane dipole moment induced from transferred graphene on TiN/AlN multilayers. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	3
24	Low barrier height in a ZnO nanorods/NbSe ₂ heterostructure prepared by van der Waals epitaxy. <i>APL Materials</i> , 2021, 9, .	5.1	2
25	Voltage-dependent gas discrimination using self-activated graphene with Pt decoration. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130696.	7.8	2
26	Novel Metal Oxide Gas Sensors for Mobile Devices. , 2015, , 131-153.		1