

Sunglyul Maeng

List of Publications by Year in descending order

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26
papers

892
citations

586496

16
h-index

651938

25
g-index

26
all docs

26
docs citations

26
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Detection of Nitrogen-Containing Compound Gases. <i>Sensors</i> , 2019, 19, 3565.	2.1	7
2	Dielectrophoretic assembly of Pt nanoparticle-reduced graphene oxide nanohybrid for highly-sensitive multiple gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 755-761.	4.0	95
3	Chemically modified graphene/PEDOT:PSS nanocomposite films for hydrogen gas sensing. <i>Carbon</i> , 2015, 81, 54-62.	5.4	45
4	SnO ₂ Nanoslab as NO ₂ Sensor: Identification of the NO ₂ Sensing Mechanism on a SnO ₂ Surface. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 357-363.	4.0	133
5	Dielectrophoresis of graphene oxide nanostructures for hydrogen gas sensor at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 296-302.	4.0	68
6	Assembly of thermally reduced graphene oxide nanostructures by alternating current dielectrophoresis as hydrogen-gas sensors. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	30
7	Synthesis of novel pure SnO nanostructures by thermal evaporation. <i>Materials Letters</i> , 2012, 86, 119-121.	1.3	6
8	Pd-Ni hydrogen sponge for highly sensitive nanogap-based hydrogen sensors. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14702-14706.	3.8	46
9	Highly responsive hydrogen gas sensing by partially reduced graphite oxide thin films at room temperature. <i>Carbon</i> , 2012, 50, 4061-4067.	5.4	71
10	White-light emitting surface-functionalized ZnSe quantum dots: europium complex-capped hybrid nanocrystal. <i>Journal of Materials Chemistry</i> , 2011, 21, 12812.	6.7	58
11	General Route to Single-Crystalline SnO Nanosheets on Arbitrary Substrates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11050-11055.	1.5	60
12	SOI CMOS Platform for Gas Sensing Applications. <i>ECS Transactions</i> , 2009, 22, 281-292.	0.3	0
13	A Surface Acoustic Wave-Based Immunosensing Device Using a Nanocrystalline ZnO Film on Si. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 7181-5.	0.9	3
14	Low-temperature synthesis of one-dimensional ZnO nanostructures on screen-printed carbon nanotube films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2526-2530.	1.3	11
15	New approach to the growth of SiO _x nanowire bunch using Au catalyst and SiN _x film on Si substrate. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 3170-3172.	1.3	2
16	On-chip deposition of carbon nanotubes using CMOS microhotplates. <i>Nanotechnology</i> , 2008, 19, 025607.	1.3	47
17	Nanocrystalline ZnO Film Layer on Silicon and its Application to Surface Acoustic Wave-Based Streaming. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4626-4629.	0.9	8
18	ZnO nanotips and nanorods on carbon nanotube/Si substrates: anomalous p-type like optical properties of undoped ZnO nanotips. <i>Nanotechnology</i> , 2008, 19, 245708.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Highly sensitive NO ₂ sensor array based on undecorated single-walled carbon nanotube monolayer junctions. Applied Physics Letters, 2008, 93, 113111.	1.5	18
20	SOI CMOS-Based Smart Gas Sensor System for Ubiquitous Sensor Networks. ETRI Journal, 2008, 30, 516-525.	1.2	22
21	Use of nanocomposites to increase electrical gain in chemical sensors. Applied Physics Letters, 2007, 91, 203111.	1.5	19
22	Fabrication of Si _{1-x} Gex alloy nanowire field-effect transistors. Applied Physics Letters, 2007, 91, 033104.	1.5	32
23	Separation of apoptotic cells using a microfluidic device. Biotechnology Letters, 2007, 29, 1659-1663.	1.1	16
24	Analysis of recombinant protein expression using localized surface plasmon resonance (LSPR). Biosensors and Bioelectronics, 2007, 22, 2301-2307.	5.3	31
25	High negative differential resistance in silicon quantum dot metal-insulator-semiconductor structure. Applied Physics Letters, 2006, 89, 153117.	1.5	14
26	Characteristics of erbium-silicided n-type Schottky barrier tunnel transistors. Applied Physics Letters, 2003, 83, 2611-2613.	1.5	40