

A S M Iftekhar Uddin

List of Publications by Year in descending order

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34
papers

1,388
citations

331670

21
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

1928
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas sensing materials roadmap. Journal of Physics Condensed Matter, 2021, 33, 303001.	1.8	49
2	Self-powered active acetylene sensing properties by piezo-plasmonic Ag@ZnO nanoarray. Microelectronic Engineering, 2018, 187-188, 110-115.	2.4	3
3	Effects of Ag nanoparticles decorated on ZnO nanorods under visible light illumination on flexible acetylene gas sensing properties. Journal of Electroceramics, 2018, 40, 42-49.	2.0	12
4	Synthesis of poly(vinylidene fluoride-trifluoroethylene)-0.65Pb(Mg 1/3 Nb 2/3)O 3 -0.35PbTiO 3 -reduced graphene oxide-composite sheet and its application to flexible energy harvesting. Composites Part B: Engineering, 2018, 136, 92-100.	12.0	15
5	Enhanced sensing performance of bimetallic Al/Ag-CNF network and porous PDMS-based triboelectric acetylene gas sensors in a high humidity atmosphere. Sensors and Actuators B: Chemical, 2018, 258, 857-869.	7.8	34
6	Surface Modification of PDMS Film by Si Template Synthesized Through a Facile Process. , 2018, , .		0
7	Wide-ranging impact-competent self-powered active sensor using a stacked corrugated-core sandwich-structured robust triboelectric nanogenerator. Sensors and Actuators B: Chemical, 2017, 245, 1-10.	7.8	31
8	A novel tri-layer flexible piezoelectric nanogenerator based on surface- modified graphene and PVDF-BaTiO ₃ nanocomposites. Applied Surface Science, 2017, 405, 420-426.	6.1	133
9	Mesh of ultrasmall Pd/Mg bimetallic nanowires as fast response wearable hydrogen sensors formed on filtration membrane. Sensors and Actuators B: Chemical, 2017, 252, 1035-1044.	7.8	18
10	Corrugated-core sandwich-structured self-powered active gas sensor workable under wide range of external impacts. , 2017, , .		0
11	Effects of Pt shell thickness on self-assembly monolayer Pd@Pt core-shell nanocrystals based hydrogen sensing. International Journal of Hydrogen Energy, 2016, 41, 15399-15410.	7.1	30
12	A self-powered active hydrogen sensor using triboelectric effect. , 2016, , .		0
13	Platinum/palladium bimetallic ultra-thin film decorated on a one-dimensional ZnO nanorods array for use as fast response flexible hydrogen sensor. Materials Letters, 2016, 176, 232-236.	2.6	55
14	Hydrogen sensing properties of Pt/Pd bimetal decorated on highly hydrophobic Si nanowires. International Journal of Hydrogen Energy, 2016, 41, 10991-11001.	7.1	30
15	Fast-response hydrogen sensors based on discrete Pt/Pd bimetallic ultra-thin films. Sensors and Actuators B: Chemical, 2016, 234, 435-445.	7.8	76
16	Improving the Working Efficiency of a Triboelectric Nanogenerator by the Semimetallic PEDOT:PSS Hole Transport Layer and Its Application in Self-Powered Active Acetylene Gas Sensing. ACS Applied Materials & Interfaces, 2016, 8, 30079-30089.	8.0	60
17	A self-powered active hydrogen sensor based on a high-performance triboelectric nanogenerator using a wrinkle-micropatterned PDMS film. RSC Advances, 2016, 6, 63030-63036.	3.6	32
18	A high-performance flexible NO ₂ sensor based on WO ₃ NPs decorated on MWCNTs and RGO hybrids on PI/PET substrates. Sensors and Actuators B: Chemical, 2016, 224, 738-746.	7.8	62

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19	The effect of reduced graphene oxide on the dielectric and ferroelectric properties of PVDF/BaTiO ₃ nanocomposites. RSC Advances, 2016, 6, 30747-30754.	3.6	64
20	SYNTHESIS OF HIGHLY STABLE SILVER-LOADED VERTICAL ZnO NANOWIRES ARRAY AND ITS ACETYLENE SENSING PROPERTIES. Surface Review and Letters, 2016, 23, 1550087.	1.1	5
21	A self-powered active hydrogen gas sensor with fast response at room temperature based on triboelectric effect. Sensors and Actuators B: Chemical, 2016, 231, 601-608.	7.8	69
22	Foldable hydrogen sensor using Pd nanocubes dispersed into multiwall carbon nanotubes-reduced graphene oxide network assembled on nylon filter membrane. Sensors and Actuators B: Chemical, 2016, 229, 355-361.	7.8	24
23	A novel flexible C ₂ H ₂ gas sensor based on Ag-ZnO nanorods on PI/PTFE substrate. , 2016, , .		0
24	Dissolved hydrogen gas analysis in transformer oil using Pd catalyst decorated on ZnO nanorod array. Sensors and Actuators B: Chemical, 2016, 226, 90-95.	7.8	62
25	A novel flexible acetylene gas sensor based on PI/PTFE-supported Ag-loaded vertical ZnO nanorods array. Sensors and Actuators B: Chemical, 2016, 222, 536-543.	7.8	62
26	Fabrication and Characterization of C ₂ H ₂ Gas Sensor Based on Ag-loaded Vertical ZnO Nanowires Array. Procedia Engineering, 2015, 120, 582-585.	1.2	7
27	Acetylene gas sensing properties of silver nanoparticles decorated ZnO morphologies with reduced graphene oxide hybrids. , 2015, , .		0
28	Highly flexible room temperature NO ₂ sensor based on MWCNTs-WO ₃ nanoparticles hybrid on a PET substrate. Sensors and Actuators B: Chemical, 2015, 221, 760-768.	7.8	95
29	A large detectable-range, high-response and fast-response resistivity hydrogen sensor based on Pt/Pd core-shell hybrid with graphene. Sensors and Actuators B: Chemical, 2015, 220, 962-967.	7.8	32
30	Acetylene gas sensing properties of an Ag-loaded hierarchical ZnO nanostructure-decorated reduced graphene oxide hybrid. Sensors and Actuators B: Chemical, 2015, 216, 33-40.	7.8	56
31	Low temperature acetylene gas sensor based on Ag nanoparticles-loaded ZnO-reduced graphene oxide hybrid. Sensors and Actuators B: Chemical, 2015, 207, 362-369.	7.8	194
32	SYNTHESIS OF ZnO NANOPARTICLES-REDUCED GRAPHENE OXIDE COMPOSITES AND THEIR INTRINSIC GAS SENSING PROPERTIES. Surface Review and Letters, 2014, 21, 1450086.	1.1	11
33	High performance acetylene sensor based on ZnO/reduced graphene oxide nanocomposite. , 2014, , .		0
34	Synthesis of highly dispersed ZnO nanoparticles on graphene surface and their acetylene sensing properties. Sensors and Actuators B: Chemical, 2014, 205, 338-344.	7.8	67