

# Asm Iftekhar Uddin

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,153  
citations

430874

18  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-powered active acetylene sensing properties by piezo-plasmonic Ag@ZnO nanoarray. <i>Microelectronic Engineering</i> , 2018, 187-188, 110-115.	2.4	3
2	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. <i>Composites Part B: Engineering</i> , 2018, 136, 92-100.	12.0	15
3	Enhanced sensing performance of bimetallic Al/Ag-CNF network and porous PDMS-based triboelectric acetylene gas sensors in a high humidity atmosphere. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 857-869.	7.8	34
4	Surface Modification of PDMS Film by Si Template Synthesized Through a Facile Process. , 2018, , .		0
5	Wide-ranging impact-competent self-powered active sensor using a stacked corrugated-core sandwich-structured robust triboelectric nanogenerator. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 1-10.	7.8	31
6	A novel tri-layer flexible piezoelectric nanogenerator based on surface- modified graphene and PVDF-BaTiO <sub>3</sub> nanocomposites. <i>Applied Surface Science</i> , 2017, 405, 420-426.	6.1	133
7	Mesh of ultrasmall Pd/Mg bimetallic nanowires as fast response wearable hydrogen sensors formed on filtration membrane. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 1035-1044.	7.8	18
8	Effects of Pt shell thickness on self-assembly monolayer Pd@Pt core-shell nanocrystals based hydrogen sensing. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15399-15410.	7.1	30
9	Platinum/palladium bimetallic ultra-thin film decorated on a one-dimensional ZnO nanorods array for use as fast response flexible hydrogen sensor. <i>Materials Letters</i> , 2016, 176, 232-236.	2.6	55
10	Hydrogen sensing properties of Pt/Pd bimetal decorated on highly hydrophobic Si nanowires. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10991-11001.	7.1	30
11	Fast-response hydrogen sensors based on discrete Pt/Pd bimetallic ultra-thin films. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 435-445.	7.8	76
12	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30079-30089.	8.0	60
13	A high-performance flexible NO <sub>2</sub> sensor based on WO <sub>3</sub> NPs decorated on MWCNTs and RGO hybrids on PI/PET substrates. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 738-746.	7.8	62
14	A self-powered active hydrogen gas sensor with fast response at room temperature based on triboelectric effect. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 601-608.	7.8	69
15	Foldable hydrogen sensor using Pd nanocubes dispersed into multiwall carbon nanotubes-reduced graphene oxide network assembled on nylon filter membrane. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 355-361.	7.8	24
16	A novel flexible acetylene gas sensor based on PI/PTFE-supported Ag-loaded vertical ZnO nanorods array. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 536-543.	7.8	62
17	Fabrication and Characterization of C <sub>2</sub> H <sub>2</sub> Gas Sensor Based on Ag-loaded Vertical ZnO Nanowires Array. <i>Procedia Engineering</i> , 2015, 120, 582-585.	1.2	7
18	Highly flexible room temperature NO <sub>2</sub> sensor based on MWCNTs-WO <sub>3</sub> nanoparticles hybrid on a PET substrate. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 760-768.	7.8	95

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19	A large detectable-range, high-response and fast-response resistivity hydrogen sensor based on Pt/Pd core-shell hybrid with graphene. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 962-967.	7.8	32
20	Acetylene gas sensing properties of an Ag-loaded hierarchical ZnO nanostructure-decorated reduced graphene oxide hybrid. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 33-40.	7.8	56
21	Low temperature acetylene gas sensor based on Ag nanoparticles-loaded ZnO-reduced graphene oxide hybrid. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 362-369.	7.8	194
22	Synthesis of highly dispersed ZnO nanoparticles on graphene surface and their acetylene sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 338-344.	7.8	67