# A S M Iftekhar Uddin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1832226/publications.pdf

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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 | 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 |
| 2 | A novel tri-layer flexible piezoelectric nanogenerator based on surface- modified graphene and PVDF-BaTiO3 nanocomposites. Applied Surface Science, 2017, 405, 420-426. | 6.1 | 133 |
| 3 | Highly flexible room temperature NO2 sensor based on MWCNTs-WO3 nanoparticles hybrid on a PET substrate. Sensors and Actuators B: Chemical, 2015, 221, 760-768. | 7.8 | 95 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | The effect of reduced graphene oxide on the dielectric and ferroelectric properties of PVDFâ€“BaTiO<sub>3</sub> nanocomposites. RSC Advances, 2016, 6, 30747-30754. | 3.6 | 64 |
| 8 | A high-performance flexible NO2 sensor based on WO3 NPs decorated on MWCNTs and RGO hybrids on PI/PET substrates. Sensors and Actuators B: Chemical, 2016, 224, 738-746. | 7.8 | 62 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 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 | Gas sensing materials roadmap. Journal of Physics Condensed Matter, 2021, 33, 303001. | 1.8 | 49 |
| 15 | 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 |
| 16 | A large detectable-range, high-response and fast-response resistivity hydrogen sensor based on Pt/Pd coreâ€“shell hybrid with graphene. Sensors and Actuators B: Chemical, 2015, 220, 962-967. | 7.8 | 32 |
| 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 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Synthesis of poly(vinylidenefluoride-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 |
| 24 | 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 |
| 25 | SYNTHESIS OF <font>ZnO</font> NANOPARTICLES-REDUCED GRAPHENE OXIDE COMPOSITES AND THEIR INTRINSIC GAS SENSING PROPERTIES. Surface Review and Letters, 2014, 21, 1450086. | 1.1 | 11 |
| 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 | 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 |
| 28 | Self-powered active acetylene sensing properties by piezo-plasmonic Ag@ZnO nanoarray. Microelectronic Engineering, 2018, 187-188, 110-115. | 2.4 | 3 |
| 29 | High performance acetylene sensor based on ZnO/reduced graphene oxide nanocomposite. , 2014, , . | | 0 |
| 30 | Acetylene gas sensing properties of silver nanoparticles decorated ZnO morphologies with reduced graphene oxide hybrids. , 2015, , . | | 0 |
| 31 | A self-powered active hydrogen sensor using triboelectric effect. , 2016, , . | | 0 |
| 32 | A novel flexible C2H2gas sensor based on Ag-ZnO nanorods on PI/PTFE substrate. , 2016, , . | | 0 |
| 33 | Corrugated-core sandwich-structured self-powered active gas sensor workable under wide range of external impacts. , 2017, , . | | 0 |
| 34 | Surface Modification of PDMS Film by Si Template Synthesized Through a Facile Process. , 2018, , . | | 0 |