M M Arafat

List of Publications by Year
in descending order

20 papers	928 citations	687363 13 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	1403 citing authors

#	Article	IF	Citations
1	Growth of 1D TiO2 nanostructures on Ti substrates incorporated with residual stress through humid oxidation and their characterizations. Nanotechnology, 2021, 32, 475607.	2.6	3
2	Electrospun (Nickel and palladium) tin(IV) oxide/polyaniline/polyhydroxy-3-butyrate biodegradable nanocomposite fibers for low temperature ethanol gas sensing. Nanotechnology, 2020, 31, 425503.	2.6	12
3	Direct and catalyst-free synthesis of ZnO nanowires on brass by thermal oxidation. Nanotechnology, 2020, 31, 175603.	2.6	8
4	Synthesis of SnO2 Nanoparticles via Hydrothermal Method and Their Gas Sensing Applications for Ethylene Detection. Materials Today: Proceedings, 2019, 17, 810-819.	1.8	25
5	A Comparative Study of Structural and Ethanol Gas Sensing Properties of Pure, Nickel and Palladium Doped SnO2 Nanorods Synthesised by the Hydrothermal Method. Journal of Physical Science, 2019, 30, 127-143.	0.9	11
6	Ethylene Gas Sensing Properties of Tin Oxide Nanowires Synthesized via CVD Method. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012038.	0.6	6
7	Selectivity shifting behavior of Pd nanoparticles loaded zinc stannate/zinc oxide (Zn2SnO4/ZnO) nanowires sensors. Applied Surface Science, 2018, 435, 928-936.	6.1	20
8	Effects of Metallic Nanoparticles on Interfacial Intermetallic Compounds in Tin-Based Solders for Microelectronic Packaging. Journal of Electronic Materials, 2017, 46, 5503-5518.	2.2	25
9	Study of structural properties and defects of Ni-doped SnO2nanorods as ethanol gas sensors. Nanotechnology, 2017, 28, 265702.	2.6	23
10	In-situ fabricated gas sensors based on one dimensional core-shell TiO2-Al2O3 nanostructures. Sensors and Actuators B: Chemical, 2017, 238, 972-984.	7.8	64
11	Growth and characterization of the oxide scales and core/shell nanowires on Ti-6Al-4V particles during thermal oxidation. Ceramics International, 2015, 41, 4401-4409.	4.8	20
12	A Selective Ultrahigh Responding High Temperature Ethanol Sensor Using TiO2 Nanoparticles. Sensors, 2014, 14, 13613-13627.	3.8	36
13	In-situ alloying of Snâ€“3.5Ag solder during reflow through Zn nanoparticle addition and its effects on interfacial intermetallic layers. Intermetallics, 2014, 54, 86-94.	3.9	38
14	Effects of reflow on the interfacial characteristics between Zn nanoparticles containing Snâ€3.8Agâ€0.7Cu solder and copper substrate. Soldering and Surface Mount Technology, 2013, 25, 91-98.	1.5	24
15	Stress enhanced TiO 2 nanowire growth on Tiâ€“6Alâ€“4V particles by thermal oxidation. Ceramics International, 2013, 39, 6517-6526.	4.8	18
16	Gas Sensors Based on One Dimensional Nanostructured Metal-Oxides: A Review. Sensors, 2012, 12, 7207-7258.	3.8	488
17	Stability of molybdenum nanoparticles in Snâ€“3.8Agâ€“0.7Cu solder during multiple reflow and their influence on interfacial intermetallic compounds. Materials Characterization, 2012, 64, 27-35.	4.4	86
18	Interfacial reaction and dissolution behavior of Cu substrate in molten Snâ€3.8Agâ€0.7Cu in the presence of Mo nanoparticles. Soldering and Surface Mount Technology, 2011, 23, 140-149.	1.5	19

#	Article	IF	Citations
19	Reflow behavior of Mo nanoparticle added Sn-3.8Ag-0.7 Cu solder. , 2010, , .		1
20	Interfacial reaction and dissolution behavior of Cu substrate in molten Sn-3.8Ag-0.7Cu-nano Mo composite solder. , 2009, , .		1