

M M Arafat

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

928
citations

687363

13
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839539

18
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21
all docs

21
docs citations

21
times ranked

1403
citing authors

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

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