Abu Zayed Mohammad Saliqur Rahman

List of Publications by Year
in descending order

28 papers	256 citations	1040056 9 h-index	940533 16 g-index
28 all docs	28 docs citations	28 times ranked	226 citing authors

#	Article	IF	Citations
1	Nanoindentation creep on Cu3Sn, Cu6Sn5 and (Cu, Ni)6Sn5 intermetallic compounds grown in electrodeposited multilayered thin film. Journal of Materials Science: Materials in Electronics, 2018, 29, 1258-1263.	2.2	4
2	Guided-Wave Optical Communications: Materials â˜†. , 2017, , .		1
3	Electronâ€“Phonon Interactions and the Response of Polarons â˜†. , 2017, , .		0
4	Metal-Oxide-Based Gas Sensors â˜†. , 2017, , .		2
5	Active-Matrix LCD With Amorphous Thin-Film Transistors â˜†. , 2017, , .		0
6	Atomic Resolution Characterization of Semiconductor Materials by Aberration-Corrected Transmission Electron Microscopy â˜†. , 2017, , .		0
7	Laser excited novel near-infrared photoluminescence bands in fast neutron-irradiated MgOÂ·nAl2O3. Radiation Physics and Chemistry, 2016, 125, 122-126.	2.8	0
8	Effect of Cobalt Doping on the Microstructure and Tensile Properties of Lead Free Solder Joint Subjected to Electromigration. Journal of Materials Science and Technology, 2016, 32, 1129-1136.	10.7	35
9	Synchrotron VUV-UV and positron lifetime spectroscopy study of vacancy-type defects in reactor neutron-irradiated MgOï¿½ï¿½nAl2O3 (n = 2). Cogent Physics, 2016, 3, .	0.7	1
10	Reduction of electromigration damage in SAC305 solder joints by adding Ni nanoparticles through flux doping. Journal of Materials Science, 2015, 50, 6748-6756.	3.7	45
11	Radiation induced modifications on structural and luminescence properties of LDPEâ€“Na2SO4:Sm3+ composites by Î³-ray. Optical Materials, 2015, 42, 251-255.	3.6	2
12	Mechanical properties of intermetallic compounds in electrodeposited multilayered thin film at small scale by nanoindentation. Materials Letters, 2015, 147, 50-53.	2.6	15
13	Radiation shielding effectiveness of newly developed superconductors. Radiation Physics and Chemistry, 2015, 106, 175-183.	2.8	31
14	Nanomechanical properties of intermetallic compounds formed in electrodeposited Cu/Sn and Cu/Ni/Sn multilayer interconnects. , 2014, , .		0
15	Effect of Ni nanoparticles on intermetallic compounds formation in SAC305 solder joint under high current density. , 2014, , .		1
16	Neutron-irradiation-induced near-infrared emission in Î±-Al₂O₃. Philosophical Magazine Letters, 2014, 94, 211-216.	1.2	6
17	Anomalous temperature dependence of nearâ€infrared photoluminescence band in neutronâ€irradiated Î±â€Al₂O₃. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1535-1538.	1.8	1
18	Positron annihilation study of vacancy-type defects in fast-neutron-irradiated MgOÂ·nAl2O3. Nuclear Instruments & Methods in Physics Research B, 2014, 335, 70-73.	1.4	9

#	Article	IF	Citations
19	Irradiation-induced valence conversion of samarium ions in Na2SO4. Applied Physics A: Materials Science and Processing, 2013, 111, 587-591.	2.3	12
20	Synthesis and luminescence properties of Sm-doped LDPEâ€“Na2SO4 composite material. Optical Materials, 2013, 36, 471-475.	3.6	18
21	Luminescence properties of samarium-doped SiO2â€“Na2SO4 composite. Materials Letters, 2013, 99, 142-145.	2.6	7
22	Vibronic photoexcitation spectra of irradiated spinel MgOÂ·nAl2O3(n=2) at low temperatures. Nuclear Instruments & Methods in Physics Research B, 2013, 305, 33-36.	1.4	3
23	Effects of copper precipitates on microdefects in deformed Fe-1.5â€‰wt%Cu alloy. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1758-1761.	1.8	15
24	Photoluminescence spectra of thenardite Na2SO4 activated with rare-earth ions, Ce3+, Sm3+, Tb3+, Dy3+ and Tm3+. Journal of Luminescence, 2011, 131, 1840-1847.	3.1	13
25	Thermoluminescence of Î±-Al₂O₃by neutron irradiation at low temperature. Radiation Effects and Defects in Solids, 2010, 165, 290-297.	1.2	13
26	Optical vibronic emission spectra for irradiation induced F aggregate centers in single crystal Î±-Al₂O₃. Radiation Effects and Defects in Solids, 2009, 164, 692-698.	1.2	8
27	Optical vibronic spectra in reactor neutron irradiated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>Î±</mml:mi><mml:mtext>-</mml:mtext><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>Al</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>O</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:ms Physics Procedia, 2009, 2, 551-557.	1.2	6
28	Photoluminescence properties of thenardite activated with Eu. Journal of Luminescence, 2009, 129, 1271-1275.	3.1	8