

Abu Zayed Mohammad Saliquir Rahman

List of Publications by Year in descending order

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28
papers

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28
all docs

28
docs citations

28
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Radiation shielding effectiveness of newly developed superconductors. Radiation Physics and Chemistry, 2015, 106, 175-183.	2.8	31
4	Synthesis and luminescence properties of Sm-doped LDPE \hat{a} Na ₂ SO ₄ composite material. Optical Materials, 2013, 36, 471-475.	3.6	18
5	Effects of copper precipitates on microdefects in deformed Fe-1.5 \hat{a} %wt%Cu alloy. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1758-1761.	1.8	15
6	Mechanical properties of intermetallic compounds in electrodeposited multilayered thin film at small scale by nanoindentation. Materials Letters, 2015, 147, 50-53.	2.6	15
7	Thermoluminescence of $\hat{I}\pm\text{-Al}_{2}\text{O}_{3}$ by neutron irradiation at low temperature. Radiation Effects and Defects in Solids, 2010, 165, 290-297.	1.2	13
8	Photoluminescence spectra of the nardite Na ₂ SO ₄ activated with rare-earth ions, Ce ³⁺ , Sm ³⁺ , Tb ³⁺ , Dy ³⁺ and Tm ³⁺ . Journal of Luminescence, 2011, 131, 1840-1847.	3.1	13
9	Irradiation-induced valence conversion of samarium ions in Na ₂ SO ₄ . Applied Physics A: Materials Science and Processing, 2013, 111, 587-591.	2.3	12
10	Positron annihilation study of vacancy-type defects in fast-neutron-irradiated MgO \hat{a} nAl ₂ O ₃ . Nuclear Instruments & Methods in Physics Research B, 2014, 335, 70-73.	1.4	9
11	Optical vibronic emission spectra for irradiation induced F aggregate centers in single crystal $\hat{I}\pm\text{-Al}_{2}\text{O}_{3}$. Radiation Effects and Defects in Solids, 2009, 164, 692-698.	1.2	8
12	Photoluminescence properties of the nardite activated with Eu. Journal of Luminescence, 2009, 129, 1271-1275.	3.1	8
13	Luminescence properties of samarium-doped SiO ₂ \hat{a} Na ₂ SO ₄ composite. Materials Letters, 2013, 99, 142-145.	2.6	7
14	Optical vibronic spectra in reactor neutron irradiated $\hat{I}\pm\text{-Al}_{2}\text{O}_{3}$. Physics Procedia, 2009, 2, 551-557.	1.2	6
15	Neutron-irradiation-induced near-infrared emission in $\hat{I}\pm\text{-Al}_{2}\text{O}_{3}$. Philosophical Magazine Letters, 2014, 94, 211-216.	1.2	6
16	Nanoindentation creep on Cu ₃ Sn, Cu ₆ Sn ₅ and (Cu, Ni) ₆ Sn ₅ intermetallic compounds grown in electrodeposited multilayered thin film. Journal of Materials Science: Materials in Electronics, 2018, 29, 1258-1263.	2.2	4
17	Vibronic photoexcitation spectra of irradiated spinel MgO \hat{a} nAl ₂ O ₃ (n=2) at low temperatures. Nuclear Instruments & Methods in Physics Research B, 2013, 305, 33-36.	1.4	3
18	Radiation induced modifications on structural and luminescence properties of LDPE \hat{a} Na ₂ SO ₄ :Sm ³⁺ composites by \hat{I}^3 -ray. Optical Materials, 2015, 42, 251-255.	3.6	2

#	ARTICLE	IF	CITATIONS
19	Metal-Oxide-Based Gas Sensors \hat{t} . , 2017, , .		2
20	Effect of Ni nanoparticles on intermetallic compounds formation in SAC305 solder joint under high current density. , 2014, , .		1
21	Anomalous temperature dependence of near-infrared photoluminescence band in neutron-irradiated Al^{2+} O^{3-} . Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1535-1538.	1.8	1
22	Synchrotron VUV-UV and positron lifetime spectroscopy study of vacancy-type defects in reactor neutron-irradiated $\text{MgO}_{1/2}\text{Al}_{1/2}\text{O}_3$ (n = 2). Cogent Physics, 2016, 3, .	0.7	1
23	Guided-Wave Optical Communications: Materials \hat{t} . , 2017, , .		1
24	Nanomechanical properties of intermetallic compounds formed in electrodeposited Cu/Sn and Cu/Ni/Sn multilayer interconnects. , 2014, , .		0
25	Laser excited novel near-infrared photoluminescence bands in fast neutron-irradiated $\text{MgO}\cdot\text{nAl}_2\text{O}_3$. Radiation Physics and Chemistry, 2016, 125, 122-126.	2.8	0
26	Electron-Phonon Interactions and the Response of Polarons \hat{t} . , 2017, , .		0
27	Active-Matrix LCD With Amorphous Thin-Film Transistors \hat{t} . , 2017, , .		0
28	Atomic Resolution Characterization of Semiconductor Materials by Aberration-Corrected Transmission Electron Microscopy \hat{t} . , 2017, , .		0