

Aman Ullah

List of Publications by Year in descending order

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55
papers

1,603
citations

304602

22
h-index

302012

39
g-index

55
all docs

55
docs citations

55
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	(Ti _{1-z} Ta _z)O ₃ lead-free piezoelectric ceramics. <i>Physica B: Condensed Matter</i> , 2020, 584, 412102.	1.3	4
2	Dielectric, ferroelectric, and strain properties of lead-free (1-x)BNT-yST ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5667-5673.	1.1	3
3	Stress driven high electrostrain at low field in incipient piezoelectrics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4688-4696.	2.8	8
4	Effect of Bi(Zn _{0.5} Ti _{0.5})O ₃ substitution on structural and electromechanical properties of Bi _{0.5} (Na _{0.78} K _{0.22}) _{0.5} TiO ₃ lead-free piezoelectric ceramics. <i>Materials Research Express</i> , 2019, 6, 095804.	0.8	3
5	Spectroscopic study of CO ₂ and CO ₂ -N ₂ mixture plasma using dielectric barrier discharge. <i>AIP Advances</i> , 2019, 9, .	0.6	25

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#	ARTICLE	IF	CITATIONS
19	Effect of Ba Substitution on Dielectric and Piezoelectric Properties of Lead-Free Bi _{1/2} (Na _{0.82} K _{0.18}) _{1/2} TiO ₃ Ceramics. Journal of Nanoscience and Nanotechnology, 2016, 16, 8025-8029.	0.9	3
20	Effect of Lanthanum Doping on Ferroelectric and Strain Properties of 0.96Bi _{1/2} (Na _{0.84} K _{0.16}) _{1/2} TiO ₃ -0.04SrTiO ₃ Lead-Free Ceramics. Journal of Electronic Materials, 2016, 45, 2639-2643.	1.0	18
21	Large transverse piezoelectric properties of lead-free Bi _{0.5} (Na _{0.82} K _{0.18}) _{0.5} TiO ₃ films. Current Applied Physics, 2016, 16, 429-434.	1.1	7
22	Large Field-Induced Strain Properties of Sr(K _{0.25} Nb _{0.75})O ₃ -Modified Bi _{1/2} (Na _{0.82} K _{0.18}) _{1/2} TiO ₃ Lead-Free Piezoelectric Ceramics. Journal of Electronic Materials, 2016, 45, 2627-2631.	1.0	8
23	Enhancement of dielectric and energy density properties in the PVDF-based copolymer/terpolymer blends. Polymer Engineering and Science, 2015, 55, 1396-1402.	1.5	33
24	Mechanical, electronic and magnetic properties of Sm-based perovskite-type oxides SmMO ₃ (M=V, Fe) Tj ETQq0,0,0 rgBT /Overlock 1	0.9	12
25	Relaxor behavior and piezoelectric properties of Bi(Mg _{0.5} Ti _{0.5})O ₃ -modified Bi _{0.5} Na _{0.5} TiO ₃ lead-free ceramics. Ceramics International, 2015, 41, 10557-10564.	2.3	21
26	Photovoltaic effect of lead-free (Na _{0.82} K _{0.18}) _{0.5} Bi _{4.5} Ti ₄ O ₁₅ ferroelectric thin film using Pt and indium tin oxide top electrodes. Journal of Applied Physics, 2014, 115, .	1.1	19
27	Large Electromechanical Response in Lead-Free La-Doped <sc>BNKT</sc>-<sc>BST</sc> Piezoelectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 2471-2478.	1.9	64
28	Electric-field-induced phase transition and large strain in lead-free Nb-doped BNKT-BST ceramics. Journal of the European Ceramic Society, 2014, 34, 29-35.	2.8	120
29	Dielectric spectroscopy of lead-free Bi _{0.5} (Na _{0.75} K _{0.25}) _{0.5} TiO ₃ -BiAlO ₃ ceramics. Ceramics International, 2014, 40, 11335-11342.	2.3	13
30	Large strain under a low electric field in lead-free bismuth-based piezoelectrics. Applied Physics Letters, 2013, 103, 022906.	1.5	72
31	Effect of BiAlO ₃ concentration on the dielectric and piezoelectric properties of lead-free (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ piezoelectric ceramics. Journal of Electroceramics, 2013, 30, 82-86.	0.8	12
32	Interfacial Dead Layers on Lead Free Ferroelectric (K _{0.5} Na _{0.5})(Mn _{0.005} Nb _{0.995})O ₃ Thin Films. Japanese Journal of Applied Physics, 2012, 51, 09MD03.	0.8	1
33	Dielectric, Piezoelectric Properties and Field-Induced Large Strain of Bi(Zn _{0.5} Ti _{0.5})O ₃ -Modified Morphotropic Phase Boundary Bi _{0.5} (Na _{0.82} K _{0.18}) _{0.5} TiO ₃ Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2012, 51, 09MD07.	0.8	4
34	Dielectric, ferroelectric, and piezoelectric properties of Nb-substituted Bi _{1/2} (Na _{0.82} K _{0.18}) _{1/2} TiO ₃ lead-free ceramics. Journal of the Korean Physical Society, 2012, 60, 207-211.	0.3	25
35	Effect of Ta content on the phase transition and piezoelectric properties of lead-free (K _{0.48} Na _{0.48} Li _{0.04})(Nb _{0.995-x} Mn _{0.005} Tax)O ₃ thin film. Journal of Applied Physics, 2012, 111, 024110.	1.1	14
36	Large piezoresponse of lead-free Bi _{0.5} (Na _{0.85} K _{0.15}) _{0.5} TiO ₃ thin film. Current Applied Physics, 2012, 12, 903-907.	1.1	27

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37	Structure, ferroelectric properties, and electric field-induced large strain in lead-free Bi _{0.5} (Na,K) _{0.5} TiO ₃ (Bi _{0.5} La _{0.5})AlO ₃ piezoelectric ceramics. <i>Ceramics International</i> , 2012, 38, S363-S368.	2.3	38
38	Dielectric, ferroelectric and field-induced strain behavior of K _{0.5} Na _{0.5} NbO ₃ -modified Bi _{0.5} (Na _{0.78} K _{0.22}) _{0.5} TiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2012, 38, 4143-4149.	2.3	44
39	Interfacial Dead Layers on Lead Free Ferroelectric (K _{0.5} Na _{0.5})(Mn _{0.005} Nb _{0.995})O ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 09MD03.	0.8	8
40	Dielectric, Piezoelectric Properties and Field-Induced Large Strain of Bi(Zn _{0.5} Ti _{0.5})O ₃ -Modified Morphotropic Phase Boundary Bi _{0.5} (Na _{0.82} K _{0.18}) _{0.5} TiO ₃ Piezoelectric Ceramics. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 09MD07.	0.8	5
41	Effect of potassium concentration on the structure and electrical properties of lead-free Bi _{0.5} (Na,K) _{0.5} TiO ₃ (BiAlO ₃ piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3148-3154.	2.8	37
42	Enhanced piezoelectric properties of Ta substituted-(K _{0.5} Na _{0.5})NbO ₃ films: A candidate for lead-free piezoelectric thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, L194-L198.	2.8	39
43	Phase Transition, Electrical Properties, and Temperature-insensitive Large Strain in BiAlO ₃ -Modified Bi _{0.5} (Na _{0.75} K _{0.25}) _{0.5} TiO ₃ Lead-free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3915-3921.	1.9	105
44	Influence of piezoelectric property on annealing temperature of Ta-substituted (K _{0.5} Na _{0.5})NbO ₃ thin films by chemical solution deposition. <i>Current Applied Physics</i> , 2011, 11, S157-S157.	1.1	5
45	Effects of LiNbO ₃ substitution on lead-free (K _{0.5} Na _{0.5})NbO ₃ ceramics: Enhanced ferroelectric and electrical properties. <i>Current Applied Physics</i> , 2011, 11, S149-S153.	1.1	19
46	Effect of Mn substitution on ferroelectric and leakage current characteristics of lead-free (K _{0.5} Na _{0.5})(Mn Nb _{1-x})O ₃ thin films. <i>Current Applied Physics</i> , 2011, 11, S266-S269.	1.1	29
47	The effects of sintering temperatures on dielectric, ferroelectric and electric field-induced strain of lead-free Bi _{0.5} (Na _{0.78} K _{0.22}) _{0.5} TiO ₃ piezoelectric ceramics synthesized by the sol-gel technique. <i>Current Applied Physics</i> , 2010, 10, 1367-1371.	1.1	64
48	Large electric-field-induced strain in Zr-modified lead-free Bi _{0.5} (Na _{0.78} K _{0.22}) _{0.5} TiO ₃ piezoelectric ceramics. <i>Sensors and Actuators A: Physical</i> , 2010, 158, 84-89.	2.0	201
49	Structural transition and large electric field-induced strain in BiAlO ₃ -modified Bi _{0.5} (Na _{0.8} K _{0.2}) _{0.5} TiO ₃ lead-free piezoelectric ceramics. <i>Solid State Communications</i> , 2010, 150, 1145-1149.	0.9	38
50	Phase transitions and large electric field-induced strain in BiAlO ₃ -modified Bi _{0.5} (Na,K) _{0.5} TiO ₃ lead-free piezoelectric ceramics. <i>Current Applied Physics</i> , 2010, 10, 1174-1181.	1.1	69
51	Phase transition, microstructure and electric field-induced large strain in Bi _{0.5} (Na _{0.85} K _{0.15}) _{0.5} TiO ₃ (BiAlO ₃)-lead-free piezoelectric ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 2578-2584.	0.8	8
52	Phase Transition and Electrical Properties of BiAlO ₃ -Modified (Bi _{0.5} Na _{0.5})TiO ₃ Piezoelectric Ceramics. <i>Ferroelectrics</i> , 2010, 404, 167-172.	0.3	36
53	Effects of Hafnium Substitution on Dielectric and Electromechanical Properties of Lead-free Bi _{0.5} (Na _{0.78} K _{0.22}) _{0.5} (Ti _{1-x} Hf _x)O ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 041504.	0.3	17
54	Phase Transition, Microstructures and Electromechanical Properties of BiAlO ₃ -modified Bi _{0.5} (Na,K) _{0.5} TiO ₃ Lead-free Piezoelectric Ceramics. <i>Journal of the Korean Physical Society</i> , 2010, 57, 1102-1105.	0.3	17

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55	Impedance Spectroscopy of Lead-free $\text{Bi}_{0.5}(\text{Na}_{0.78}\text{K}_{0.22})_{0.5}\text{TiO}_3$ - $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ Piezoelectric Ceramics. Journal of the Korean Physical Society, 2010, 57, 1106-1110.	0.3	14