Cheol-Woo Ahn

List of Publications by Year
in descending order

33 papers	955 citations	471509 17 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	911 citing authors

#	Article	IF	Citations
1	Microstructure and Piezoelectric Properties of (1?x)(Na0.5K0.5)NbO3?xLiNbO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1812-1816.	3.8	101
2	Effect of ZnO and CuO on the Sintering Temperature and Piezoelectric Properties of a Hard Piezoelectric Ceramic. Journal of the American Ceramic Society, 2006, 89, 921-925.	3.8	92
3	Sintering Behavior of Leadâ€Free (K,Na)NbO₃â€BasedPiezoelectric Ceramics. Journal of the American Ceramic Society, 2009, 92, 2033-2038.	3.8	80
4	Correlation between Phase Transitions and Piezoelectric Properties in Lead-Free (K,Na,Li)NbO₃â€“BaTiO₃ Ceramics. Japanese Journal of Applied Physics, 2008, 47, 8880.	1.5	68
5	Microstructure and Piezoelectric Properties of 0.95(Na0.5K0.5)NbO3?0.05SrTiO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1946-1949.	3.8	66
6	Dielectric and piezoelectric properties of (1Âˆ’Âx)(Na0.5K0.5)NbO3â€“xBaTiO3 ceramics. Journal of Materials Science, 2008, 43, 6784-6797.	3.7	40
7	Electrochemical properties of Li7La3Zr2O12-based solid state battery. Journal of Power Sources, 2014, 272, 554-558.	7.8	40
8	Low-Temperature Sintering and Piezoelectric Properties of ZnO-Added 0.41Pb(Ni1/3Nb2/3)O3â€“0.36PbTiO3â€“0.23PbZrO3Ceramics. Japanese Journal of Applied Physics, 2003, 42, 5676-5680.	1.5	38
9	Design and characterization of broadband magnetoelectric sensor. Journal of Applied Physics, 2009, 105, .	2.5	37
10	Induction of combinatory characteristics by relaxor modification of Pb(Zr0.5Ti0.5)O3. Applied Physics Letters, 2003, 83, 5020-5022.	3.3	33
11	A generalized rule for large piezoelectric response in perovskite oxide ceramics and its application for design of lead-free compositions. Journal of Applied Physics, 2009, 105, .	2.5	33
12	Selfâ€Bias Response of Leadâ€Free (1âˆ’x)[0.948 K_{0.5}Na_{0.5}NbO₃â€“0.052 LiSbO₃]â€“xNi_{0.8}Zn_{0.2}Fe₂O₄â€“Nickel Magnetoelectric Laminate Composites. Journal of the American Ceramic Society, 2011, 94, 3889-3899.	3.8	31
13	Lowâ€Temperature Sintering and Piezoelectric Properties of CuOâ€Added 0.95(Na_{0.5}K_{0.5})NbO₃â€“0.05BaTiO₃ Ceramics. Journal of the American Ceramic Society, 2007, 90, 4066-4069.	3.8	30
14	Self-Growth of Centimeter-Scale Single Crystals by Normal Sintering Process in Modified Potassium Sodium Niobate Ceramics. Scientific Reports, 2015, 5, 17656.	3.3	28
15	Low Temperature Sintering and Piezoelectric Properties of CuO-Doped (K_{0.5}Na_{0.5})NbO₃Ceramics. Ferroelectrics, Letters Section, 2008, 35, 66-72.	1.0	27
16	Microstructure and electrochemical properties of graphite and C-coated LiFePO4 films fabricated by aerosol deposition method for Li ion battery. Carbon, 2015, 82, 135-142.	10.3	23
17	Microstructure design of metal composite for active material in sodium nickel-iron chloride battery. Journal of Power Sources, 2016, 329, 50-56.	7.8	18
18	High Dielectric Composition in the System Snâ€Modified (1âˆ’x)BaTiO₃â€“xBa(Cu_{1/3}Nb_{2/3})O₃, x=0.025 for Multilayer Ceramic Capacitors. Journal of the American Ceramic Society, 2010, 93, 1225-1228.	3.8	17

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19	Microstructure and electrochemical properties of iron oxide film fabricated by aerosol deposition method for lithium ion battery. Journal of Power Sources, 2015, 275, 336-340.	7.8	17
20	Dimensionally gradient magnetoelectric bimorph structure exhibiting wide frequency and magnetic dc bias operating range. Journal of Applied Physics, 2009, 106, .	2.5	16
21	An easy approach to obtain large piezoelectric constant in high-quality transparent ceramics by normal sintering process in modified potassium sodium niobate ceramics. Journal of the European Ceramic Society, 2020, 40, 2989-2995.	5.7	16
22	Composition Design for Growth of Single Crystal by Abnormal Grain Growth in Modified Potassium Sodium Niobate Ceramics. Crystal Growth and Design, 2016, 16, 6586-6592.	3.0	15
23	A composition design rule for crystal growth of centimeter scale by normal sintering process in modified potassium sodium niobate ceramics. Journal of the European Ceramic Society, 2018, 38, 1416-1420.	5.7	15
24	Composition design rule for energy harvesting devices in piezoelectric perovskite ceramics. Materials Letters, 2015, 141, 323-326.	2.6	14
25	Next Generation Ceramic Substrate Fabricated at Room Temperature. Scientific Reports, 2017, 7, 6637.	3.3	12
26	An easy approach to obtain textured microstructure and transparent seed crystal prepared by simple molten salt synthesis in modified potassium sodium Niobate. Journal of the European Ceramic Society, 2020, 40, 1232-1235.	5.7	11
27	Effect of particle size distribution on microstructure and piezoelectric properties of MnO2-added 0.95(K0.5Na0.5)NbO3â€“0.5BaTiO3 ceramics. Journal of Materials Science, 2008, 43, 6016-6019.	3.7	9
28	Effect of elemental diffusion on temperature coefficient of piezoelectric properties in KNN-based lead-free composites. Journal of Materials Science, 2010, 45, 3961-3965.	3.7	7
29	Seed crystal of modified potassium sodium niobate prepared by simple molten salt synthesis. Journal of the American Ceramic Society, 2018, 101, 515-519.	3.8	7
30	Controlled synthesis of MnFe2O4â€“Ni coreâ€“shell nanoparticles. Journal of Materials Science, 2010, 45, 1419-1424.	3.7	4
31	SINTERED COMPOSITE FOR LOW TEMPERATURE COEFFICIENT OF PIEZOELECTRIC PROPERTY IN KNN BASED LEAD-FREE CERAMICS. Functional Materials Letters, 2010, 03, 35-39.	1.2	4
32	Dielectric Properties of (Ba0.6Sr0.4)(Cu1/3Nb2/3)O3System. Ferroelectrics, 2005, 322, 75-82.	0.6	2
33	Piezoelectricity in (K,Na)NbO3 Based Ceramics. Ceramic Engineering and Science Proceedings, 0, , 17-23.	0.1	0