

Weiguo Qu

List of Publications by Year in descending order

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22
papers

752
citations

623734

14
h-index

642732

23
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23
all docs

23
docs citations

23
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical characterization and analysis of the degradation of electrode Schottky barriers in BaTiO ₃ dielectric materials due to hydrogen exposure. Journal of Applied Physics, 2015, 117, .	2.5	17
2	Evaluating the merit of ALD coating as a barrier against hydrogen degradation in capacitor components. RSC Advances, 2015, 5, 50869-50877.	3.6	13
3	Factors influencing high voltage performance of coconut char derived carbon based electrical double layer capacitor made using acetonitrile and propylene carbonate based electrolytes. Journal of Power Sources, 2014, 272, 90-99.	7.8	18
4	Dielectric behavior, band gap, in situ X-ray diffraction, Raman and infrared study on (1 - x)Tl _{1-x} Bi _x TiO ₃ ferroelectric relaxor. Journal of Applied Physics, 2010, 107, 101101.	3.6	20
5	Coherently strained epitaxial Pb(Zr _{1-x} Ti _x)O ₃ thin films. Journal of Applied Physics, 2013, 114, 164104.	2.5	5
6	Compositional disorder, polar nanoregions and dipole dynamics in Pb(Mg _{1/3} Nb _{2/3})O ₃ -based relaxor ferroelectrics. Zeitschrift für Kristallographie, 2011, 226, 99-107.	1.1	46
7	Kinetics of Oxygen Diffusion into Multilayer Ceramic Capacitors During the Reoxidation Process and its Implications on Dielectric Properties. Journal of the American Ceramic Society, 2011, 94, 3934-3940.	3.8	34
8	Preparation and Characterization of High-Temperature Ferroelectric Bi(Mg _{1/2} Ti _{1/2})O ₃ -Bi(Zn _{1/2} Ti _{1/2})O ₃ Perovskite Ternary Solid Solution. Journal of the American Ceramic Society, 2011, 94, 4371-4375.	3.8	34
9	Ferroelastic phase transition compositional dependence for solid-solution [(Li _{0.5} Bi _{0.5}) _x Bi _{1-x}][Mo _x V _{1-x}]O ₄ scheelite-structured microwave dielectric ceramics. Acta Materialia, 2011, 59, 1502-1509.	7.9	57
10	Band-gap nonlinearity in perovskite structured solid solutions. Journal of Applied Physics, 2010, 107, .	2.5	45
11	In situ transmission electron microscopy study on Nb-doped Pb(Zr _{0.95} Ti _{0.05})O ₃ ceramics. Microscopy Research and Technique, 2009, 72, 216-222.	2.2	5
12	Zr-Modified Pb(Mg _{1/3} Nb _{2/3})O ₃ with a Long-Range Cation Order. Journal of the American Ceramic Society, 2008, 91, 3031-3038.	3.8	16
13	Enhanced ordered structure and relaxor behaviour of 0.98Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.02La(Mg _{2/3} Nb _{1/3})O ₃ single crystals. Journal of Physics Condensed Matter, 2008, 20, 015210.	3.8	16
14	Effect of Ba-substitution on the structure and properties of Pb _{0.8} Ba _{0.2} [(In _{1/2} Nb _{1/2}) _{1-x} Ti _x]O ₃ ceramics. Applied Physics A: Materials Science and Processing, 2007, 88, 757-761.	2.3	1
15	Influence of Cation Order on the Electric Field-Induced Phase Transition in Pb(Mg _{1/3} Nb _{2/3})O ₃ -Based Relaxor Ferroelectrics. Journal of the American Ceramic Society, 2006, 89, 202-209.	3.8	40
16	Two-Step Sintering of Ceramics with Constant Grain-Size, II: BaTiO ₃ and Ni-Cu-Zn Ferrite. Journal of the American Ceramic Society, 2006, 89, 438-443.	3.8	311
17	Texture control and ferroelectric properties of Pb(Nb,Zr,Sn,Ti)O ₃ thin films prepared by chemical solution method. Thin Solid Films, 2006, 496, 383-388.	1.8	13
18	Room temperature magnetoelectric multiferroism through cation ordering in complex perovskite solid solutions. Journal of Physics Condensed Matter, 2006, 18, 8935-8942.	1.8	19

#	ARTICLE	IF	CITATIONS
19	The influence of Mn dopant on the electromagnetic properties of NiCuZn ferrite. <i>Ceramics International</i> , 2004, 30, 1615-1618.	4.8	16
20	Preparation and performance of NiCuZn-Co ₂ Z composite ferrite material. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 257, 284-289.	2.3	8
21	Preparation and performance of NiCuZn-Co ₂ Y composite ferrite material. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 99, 274-277.	3.5	9
22	Synthesis of dense NiZn ferrites by spark plasma sintering. <i>Ceramics International</i> , 2002, 28, 855-858.	4.8	33