Weiguo Qu

List of Publications by Year
in descending order

22 papers	752 citations	623734 14 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	980 citing authors

#	Article	IF	Citations
1	Two-Step Sintering of Ceramics with Constant Grain-Size, II: BaTiO3 and Ni-Cu-Zn Ferrite. Journal of the American Ceramic Society, 2006, 89, 438-443.	3.8	311
2	Ferroelastic phase transition compositional dependence for solid-solution [(Li0.5Bi0.5)xBi1â^'x][MoxV1â^'x]O4 scheelite-structured microwave dielectric ceramics. Acta Materialia, 2011, 59, 1502-1509.	7.9	57
3	Compositional disorder, polar nanoregions and dipole dynamics in Pb(Mg_{1/3}Nb_{2/3})O₃-based relaxor ferroelectrics. Zeitschrift FÃ¼r Kristallographie, 2011, 226, 99-107.	1.1	46
4	Band-gap nonlinearity in perovskite structured solid solutions. Journal of Applied Physics, 2010, 107, .	2.5	45
5	Influence of Cation Order on the Electric Field-Induced Phase Transition in Pb(Mg1/3Nb2/3)O3-Based Relaxor Ferroelectrics. Journal of the American Ceramic Society, 2006, 89, 202-209.	3.8	40
6	Kinetics of Oxygen Diffusion into Multilayer Ceramic Capacitors During the Reâ€•oxidation Process and its Implications on Dielectric Properties. Journal of the American Ceramic Society, 2011, 94, 3934-3940.	3.8	34
7	Synthesis of dense NiZn ferrites by spark plasma sintering. Ceramics International, 2002, 28, 855-858.	4.8	33
8	Dielectric behavior, band gap, in situ X-ray diffraction, Raman and infrared study on (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (	3.6	20
9	Room temperature magnetoelectric multiferroism through cation ordering in complex perovskite solid solutions. Journal of Physics Condensed Matter, 2006, 18, 8935-8942.	1.8	19
10	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
11	Electrical characterization and analysis of the degradation of electrode Schottky barriers in BaTiO3 dielectric materials due to hydrogen exposure. Journal of Applied Physics, 2015, 117, .	2.5	17
12	The influence of Mn dopant on the electromagnetic properties of NiCuZn ferrite. Ceramics International, 2004, 30, 1615-1618.	4.8	16
13	Zrâ€•Modified Pb(Mg_{1/3}Nb_{2/3})O₃ with a Longâ€•Range Cation Order. Journal of the American Ceramic Society, 2008, 91, 3031-3038.	3.8	16
14	Enhanced ordered structure and relaxor behaviour of 0.98Pb(Mg_{1/3}Nb_{2/3})O₃â€“0.02La(Mg_{2/3}Nb_{1/3})O₃ single crystals. Journal of Physics Condensed Matter, 2008, 20, 015210.	1.8	15
15	Texture control and ferroelectric properties of Pb(Nb,Zr,Sn,Ti)O3 thin films prepared by chemical solution method. Thin Solid Films, 2006, 496, 383-388.	1.8	13
16	Evaluating the merit of ALD coating as a barrier against hydrogen degradation in capacitor components. RSC Advances, 2015, 5, 50869-50877.	3.6	13
17	Preparation and performance of NiCuZnâ€“Co2Y composite ferrite material. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 274-277.	3.5	9
18	Preparation and performance of NiCuZnâ€“CO2Z composite ferrite material. Journal of Magnetism and Magnetic Materials, 2003, 257, 284-289.	2.3	8

#	Article	IF	Citations
19	Preparation and Characterization of Highâ€Temperature Ferroelectric x<scp>Bi(Mg_{1/2}Ti_{1/2})O₃</scp>â€“y<scp>Bi(Zn_{1/2}Ti_{1/2} Perovskite Ternary Solid Solution. Journal of the American Ceramic Society, 2011, 94, 4371-4375.	2.6	6
20	In situ transmission electron microscopy study on Nbâ€doped Pb(Zr_{0.95}Ti_{0.05})O₃ ceramics. Microscopy Research and Technique, 2009, 72, 216-222.	2.2	5
21	Coherently strained epitaxial Pb(Zr1â^'xTix)O3 thin films. Journal of Applied Physics, 2013, 114, 164104.	2.5	5
22	Effect of Ba-substitution on the structure and properties of Pb0.8Ba0.2[(In1/2Nb1/2)1-xTix]O3 ceramics. Applied Physics A: Materials Science and Processing, 2007, 88, 757-761.	2.3	1