

Hongtao Zhang

List of Publications by Year in descending order

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15
papers

646
citations

759233

12
h-index

996975

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15
docs citations

15
times ranked

864
citing authors

#	ARTICLE	IF	CITATIONS
1	THE CONTRIBUTION OF ELECTRICAL CONDUCTIVITY, DIELECTRIC PERMITTIVITY AND DOMAIN SWITCHING IN FERROELECTRIC HYSTERESIS LOOPS. <i>Journal of Advanced Dielectrics</i> , 2011, 01, 107-118.	2.4	295
2	Processing and microstructure characterisation of oxide dispersion strengthened Fe _{0.14} Cr _{0.4} Ti _{0.25} Y ₂ O ₃ ferritic steels fabricated by spark plasma sintering. <i>Journal of Nuclear Materials</i> , 2015, 464, 61-68.	2.7	65
3	The effect of Nd substitution on the electrical properties of Bi ₃ NbTiO ₉ Aurivillius phase ceramics. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	42
4	The grain size effect on the properties of Aurivillius phase Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ ferroelectric ceramics. <i>Nanotechnology</i> , 2009, 20, 385708.	2.6	40
5	Effect of grain size on domain structures, dielectric and thermal depoling of Nd-substituted bismuth titanate ceramics. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	36
6	Microstructure and electrical properties of Aurivillius phase (CaBi ₂ Nb ₂ O ₉) _{1-x} (BaBi ₂ Nb ₂ O ₉) _x solid solution. <i>Journal of Applied Physics</i> , 2010, 108, 014109.	2.5	31
7	Orientation dependence of dielectric and relaxor behaviour in Aurivillius phase BaBi ₂ Nb ₂ O ₉ ceramics prepared by spark plasma sintering. <i>Journal of Materials Science: Materials in Electronics</i> , 2006, 17, 657-661.	2.2	23
8	An in situ powder neutron diffraction study of nano-precipitate formation during processing of oxide-dispersion-strengthened ferritic steels. <i>Journal of Alloys and Compounds</i> , 2014, 582, 769-773.	5.5	22
9	Current understanding and applications of the cold sintering process. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 654-664.	4.4	21
10	High temperature lead-free relaxor ferroelectric: Intergrowth Aurivillius phase BaBi ₂ Nb ₂ O ₉ -Bi ₄ Ti ₃ O ₁₂ ceramics. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	20
11	Crystal structure and electrical properties of textured Ba ₂ Bi ₄ Ti ₅ O ₁₈ ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1042-1049.	5.7	17
12	Microstructural comparison of effects of hafnium and titanium additions in spark-plasma-sintered Fe-based oxide-dispersion strengthened alloys. <i>Journal of Nuclear Materials</i> , 2017, 487, 433-442.	2.7	15
13	Microstructural and mechanical characterisation of Fe-14Cr-0.22Hf alloy fabricated by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2018, 762, 678-687.	5.5	10
14	Relaxor behavior and photocatalytic properties of BaBi ₂ Nb ₂ O ₉ . <i>Journal of the American Ceramic Society</i> , 2020, 103, 28-34.	3.8	6
15	Development of a Novel Melt Spinning-Based Processing Route for Oxide Dispersion-Strengthened Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 604-612.	2.2	3