

Hongtao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

646
citations

759233

12
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

864
citing authors

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