

Ben Kowalski

List of Publications by Year in descending order

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15
papers

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1040056

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15
all docs

15
docs citations

15
times ranked

999
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental search for high-temperature ferroelectric perovskites guided by two-step machine learning. Nature Communications, 2018, 9, 1668. Structure and properties of Fe-modified Na _{0.5} Bi _{0.5} TiO ₃	12.8	189
2	Phase transition sequence in sodium bismuth titanate observed using high-resolution x-ray diffraction. Applied Physics Letters, 2011, 99, .	3.2	175
3	Thermochemistry of calcium rare-earth silicate oxyapatites. Journal of the American Ceramic Society, 2020, 103, 1446-1453.	3.3	92
4	Structure and temperature-dependent phase transitions of lead-free Bi _{1/2} Na _{1/2} TiO ₃ -Bi _{1/2} K _{1/2} TiO ₃ -K _{0.5} Na _{0.5} NbO ₃ piezoceramics. Journal of Materials Research, 2012, 27, 2466-2478.	3.8	36
5	Characterization of the High-Temperature Ferroelectric (100-x-y)BiScO ₃ (x)BiScO ₃ (3-x)Zr Perovskite Ternary Solid Solution. Journal of the American Ceramic Society, 2014, 97, 490-497.	2.6	20
6	In situ observation of microstrain relief in cold-sprayed bulk copper during thermal annealing. Scripta Materialia, 2012, 67, 791-794.	3.3	19
7	Vaporization of Protective Oxide Films into Different Gas Atmospheres. Oxidation of Metals, 2020, 93, 247-282.	5.2	16
8	Thermally grown oxide in water vapor on coated and uncoated SiC. Journal of the American Ceramic Society, 2020, 103, 5978-5989.	2.1	13
9	Aliovalent MnTi and GaTi substitution in high-temperature piezoelectric (x)Bi(Zn _{0.5} Zr _{0.5})O ₃ (y)BiScO ₃ (100-x-y)PbTiO ₃ . Journal of Materials Science, 2016, 51, 6761-6769.	3.8	11
10	High temperature limitation due to onset of depoling in BiScO ₃ -PbTiO ₃ . Journal of Applied Physics, 2017, 121, .	3.7	8
11	Thermodynamics of the Lu ₂ O ₃ -SiO ₂ system and comparison to other rare earth silicates. Journal of Chemical Thermodynamics, 2021, 161, 106483.	2.5	8
12	Templated grain growth of Bi(Zn _{0.5} Zr _{0.5})O ₃ modified BiScO ₃ -PbTiO ₃ piezoelectric ceramics for high temperature applications. Journal of Asian Ceramic Societies, 0, , 1-8.	2.0	7
13	Sorption isosteres and isotherms of silver on NBC-17 graphite. Journal of Nuclear Materials, 2021, 557, 153264.	2.3	5
14	Deposition of Electrically Conductive Zirconium Monoxide (ZrO) via Plasma Spray-Physical Vapor Deposition (PS-PVD). Journal of the American Ceramic Society, 0, , .	2.7	3
15		3.8	0