GrÃ©goire Witz

List of Publications by Year
in descending order

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40	653	687363 13	580821 25
papers	citations	h-index	g-index

40	40	40	584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of Advanced Thermal Barrier Coatings With Improved Temperature Capability. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	5
2	Development of Advanced Thermal Barrier Coatings With Improved Temperature Capability. , 2016, , .		1
3	High-temperature interaction of yttria stabilized zirconia coatings with CaOâ€“MgOâ€“Al2O3â€“SiO2 (CMAS) deposits. Surface and Coatings Technology, 2015, 265, 244-249.	4.8	44
4	Burner Rig Testing of Thermal Barrier Coatings for Lifetime Prediction. , 2014, , .		4
5	Probabilistic Lifetime Prediction of Thermal Barrier Coating Systems Depending on Manufacturing Scatter. , 2014, , .		2
6	Determination of Thermal Barrier Coatings Average Surface Temperature After Engine Operation for Lifetime Validation. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	4
7	Determination of Thermal Barrier Coatings Average Surface Temperature After Engine Operation for Lifetime Validation. , 2012, , .		0
8	Evolution of Thermal Barrier Coating Strain Tolerance During Engine Operation and its Application to Lifing Models. , 2012, , .		1
9	Ta2O5â€“Y2O3â€“ZrO2 system: Experimental study and preliminary thermodynamic description. Journal of the European Ceramic Society, 2011, 31, 249-257.	5.7	49
10	High-Temperature Photonic Structures. Thermal Barrier Coatings, Infrared Sources and Other Applications. Journal of Computational and Theoretical Nanoscience, 2008, 5, 862-893.	0.4	47
11	Thermal conductivity of porous structures. Physical Review B, 2007, 75, .	3.2	34
12	Phase Evolution in Yttriaâ€Stabilized Zirconia Thermal Barrier Coatings Studied by Rietveld Refinement of Xâ€Ray Powder Diffraction Patterns. Journal of the American Ceramic Society, 2007, 90, 2935-2940.	3.8	171
13	Effect of thermo-capillary (Marangoni) convection in Electronic Discharge Machining (EDM). High Temperature Material Processes, 2007, 11, 115-124.	0.6	3
14	Modeling of the Discharge-Sample Interaction in the Electron Discharge Machining (EDM) Process. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
15	Local temperature response to pulsed discharges in electronic discharge machining (EDM) environment. IEEE Transactions on Plasma Science, 2005, 33, 1066-1071.	1.3	14
16	Properties of the plasma channel in liquid discharges inferred from cathode local temperature measurements. Journal of Applied Physics, 2005, 98, 113305.	2.5	23
17	ac losses in Bi, Pb(2223) tapes before and after etching the Ag sheath. Superconductor Science and Technology, 2004, 17, 532-536.	3.5	0
18	AC losses in Bi,Pb() multifilamentary wires with square cross-section. Physica C: Superconductivity and Its Applications, 2003, 384, 334-344.	1.2	1

#	Article	IF	Citations
19	Partial melting and HIP processing of Bi(2223): bulk and tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 3008-3013.	1.7	7
20	Fabrication of square and round Ag/Bi(2223) wires and their ac loss behaviour. Superconductor Science and Technology, 2002, 15, 1184-1189.	3.5	8
21	The influence of thermal precompression on the mechanical behaviour of Ag-sheathed (Bi,Pb)2223 tapes with different matrices. Physica C: Superconductivity and Its Applications, 2002, 371, 173-184.	1.2	65
22	Square and round Bi(2223) wire configurations and their AC losses. Physica C: Superconductivity and Its Applications, 2002, 372-376, 942-944.	1.2	4
23	Hot isostatic pressure reaction treatment of Ag-sheathed Bi,Pb(2223) tapes. Physica C: Superconductivity and Its Applications, 2002, 372-376, 980-983.	1.2	14
24	Reduction of AC losses in Bi,Pb(2223) tapes by the introduction of barriers and the use of new wire configurations. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1814-1817.	1.2	3
25	Deformation of Bi,Pb(2223) tapes with two axial rolling under longitudinal stress: influence on microstructure. IEEE Transactions on Applied Superconductivity, 2001, 11, 3744-3747.	1.7	0
26	Engineering the precompression of Bi,Pb(2223): the influence of the geometry of the metallic matrix on the mechanical properties of tapes. IEEE Transactions on Applied Superconductivity, 2001, 11, 3018-3021.	1.7	18
27	Geometry dependence of 50 Hz alternating magnetic field losses in superconducting multifilament Bi(2223)/Ag tapes. Physica C: Superconductivity and Its Applications, 2001, 355, 325-334.	1.2	7
28	Two axial rolling of Bi,Pb(2223) tapes under longitudinal stress. Physica C: Superconductivity and Its Applications, 2001, 357-360, 1119-1122.	1.2	4
29	ac Losses in Bi,Pb(2223) barrier tapes. Cryogenics, 2001, 41, 97-101.	1.7	24
30	The formation mechanism of Bi,Pb(2223) outgrowths in multi-filamentary tapes. IEEE Transactions on Applied Superconductivity, 2001, 11, 3557-3560.	1.7	6
31	Oxide barriers and their effect on AC losses of Bi,Pb(2223) multifilamentary tapes. IEEE Transactions on Applied Superconductivity, 1999, 9, 1173-1176.	1.7	7
32	Enhancing the engineering J/sub c/ of Bi-2223 multifilamentary tapes by two-axial rolling and periodic pressing. IEEE Transactions on Applied Superconductivity, 1999, 9, 2722-2725.	1.7	3
33	Improved J/sub c/ of multifilamentary Bi,Pb(2223)/Ag tapes by periodic pressing. IEEE Transactions on Applied Superconductivity, 1999, 9, 2521-2524.	1.7	3
34	Current transfer lengths in multifilamentary superconductors with composite sheath materials. IEEE Transactions on Applied Superconductivity, 1999, 9, 1093-1096.	1.7	6
35	Effects of filament arrangement and wire geometry on the AC losses in Bi(2223) tapes. IEEE Transactions on Applied Superconductivity, 1999, 9, 782-784.	1.7	5
36	Self-Field AC Losses on Ag-BSCCO(2223) Multifilamentary Tapes with Different Filament Arrangements. International Journal of Modern Physics B, 1999, 13, 1327-1332.	2.0	2

#	Article	IF	Citations
37	Interaction of Bi, Pb(2223) precursors with metal zirconates. Superconductor Science and Technology, 1999, 12, 411-416.	3.5	4
38	Development of Bi(2223) Multifilamentary Tapes with Low ac Losses. Journal of Superconductivity and Novel Magnetism, 1998, 11, 495-505.	0.5	21
39	AC transport and magnetic characterisation of multifilamentary Ag-BSCCO(2223) tapes with different filament arrangements. Physica C: Superconductivity and Its Applications, 1998, 310, 177-181.	1.2	4
40	Reduced filament coupling in Bi(2223)/BaZrO3/Ag composite tapes. Physica C: Superconductivity and Its Applications, 1998, 310, 127-131.	1.2	35