Satoshi Sodeoka

List of Publications by Year
in descending order

30 papers	1,654 citations	623734 14 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	1165 citing authors

#	Article	IF	Citations
1	An Oxide Single Crystal with High Thermoelectric Performance in Air. Japanese Journal of Applied Physics, 2000, 39, L1127-L1129.	1.5	508
2	Thermoelectric properties of Bi2Sr2Co2Ox polycrystalline materials. Applied Physics Letters, 2000, 76, 2385-2387.	3.3	237
3	Synthesis and Thermoelectric Properties of the New Oxide Materials Ca3-xBixCo4O9+Î´(0.0 <x< 0.75). Chemistry of Materials, 2000, 12, 2424-2427.	6.7	226
4	Fabrication of an all-oxide thermoelectric power generator. Applied Physics Letters, 2001, 78, 3627-3629.	3.3	159
5	Thermoelectric properties of spark plasma sintered Ca2.75Gd0.25Co4O9 ceramics. Journal of Applied Physics, 2001, 90, 462-465.	2.5	84
6	Synthesis and thermoelectric properties of the new oxide ceramics Ca3â^'xSrxCo4O9+Î´ (x=0.0â€“1.0). Ceramics International, 2001, 27, 321-324.	4.8	71
7	Power Generation of a pâ€Type Ca₃Co₄O₉/nâ€Type CaMnO₃ Module. International Journal of Applied Ceramic Technology, 2007, 4, 535-540.	2.1	56
8	Bi-Substitution Effects on Crystal Structure and Thermoelectric Properties of Ca3Co4O9Single Crystals. Japanese Journal of Applied Physics, 2006, 45, 4131-4136.	1.5	43
9	Optimization of hot-press conditions of Zn4Sb3 for high thermoelectric performance. Journal of Alloys and Compounds, 2004, 384, 254-260.	5.5	42
10	Optimization of hot-press conditions of Zn4Sb3 for high thermoelectric performance. II. Mechanical properties. Journal of Alloys and Compounds, 2005, 388, 118-121.	5.5	36
11	Magnetic and thermoelectric properties of NaCo2â^'xMxO4 (M = Mn, Ru). Materials Research Bulletin, 2000, 35, 2371-2378.	5.2	28
12	Structure Control of Plasma Sprayed Zircon Coating by Substrate Preheating and Post Heat Treatment. Materials Transactions, 2005, 46, 669-674.	1.2	27
13	Mechanical properties and fracture behavior of fibrous Al2O3/SiC ceramics. Journal of the European Ceramic Society, 2000, 20, 1877-1881.	5.7	26
14	Optimization of hot-press conditions of Zn4Sb3 for high thermoelectric performance. Journal of Alloys and Compounds, 2005, 392, 295-299.	5.5	16
15	Fabrication of nano-sized oxide composite coatings and photo-electric conversion/electron storage characteristics. Surface and Coatings Technology, 2008, 202, 4028-4035.	4.8	14
16	Process Dependence of Ir-Based Bond Coatings. Materials Transactions, 2004, 45, 2886-2890.	1.2	13
17	Si₃N₄-Matrix Composite with TiN Particles Formed by In-situ Reaction. Journal of the Ceramic Society of Japan, 1997, 105, 304-307.	1.3	11
18	Effect of impurity oxygen concentration on the thermoelectric properties of hot-pressed Zn4Sb3. Journal of Alloys and Compounds, 2006, 417, 259-263.	5.5	11

#	Article	IF	Citations
19	Micro Gas Turbine With Ceramic Nozzle and Rotor. , 2005, , 973.		8
20	Thermoelectric properties of Ln2â^'xBixRu2O7 pyrochlores (Ln=Nd and Yb). Materials Letters, 2001, 51, 347-350.	2.6	6
21	Fabrication and Properties of TiC Matrix Composite Reinforced with Dispersed Graphite Microcrystals Formed during the Sintering. Journal of the Ceramic Society of Japan, 1989, 97, 507-512.	1.3	5
22	Point load-induced fracture behavior in zirconia plasma spray coating. Ceramics International, 2004, 30, 2251-2257.	4.8	5
23	Nanograin Formation and Superplastic Deformation in TiAl Mechanically Alloyed Compacts. Materials Science Forum, 1997, 233-234, 287-294.	0.3	4
24	Thermal Stability and Mechanical Properties of Plasma Sprayed Al₂O₃/ZrO₂ Nano-Composite Coating. Key Engineering Materials, 2006, 317-318, 513-516.	0.4	4
25	Chemical State and Refractive Index of Mg-Ion-Implanted Silica Glass. Japanese Journal of Applied Physics, 2002, 41, 7447-7452.	1.5	3
26	Control of Structure and Properties on Al2O3/YAG Composite Coating Prepared by Plasma Spray Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2005, 69, 23-30.	0.4	2
27	Effect of Reactive Filler Addition for Matrix of SiC Fiber/SiC Composite. Key Engineering Materials, 2006, 317-318, 487-490.	0.4	2
28	Gas Turbine With Ceramic and Metal Components. , 2007, , 901.		2
29	Mechanical properties and fracture behavior of Al2O3 laminates with different architectures. Materials Letters, 2000, 46, 65-69.	2.6	1
30	Particle Impact Damage and Point Load-Induced Fracture Behavior in Zirconia Plasma Spray Coating Film. , 2005, , 437-450.		0