

Satoshi Sodeoka

List of Publications by Year in descending order

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30
papers

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citations

623734

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31
all docs

31
docs citations

31
times ranked

1165
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Gas Turbine With Ceramic and Metal Components. , 2007, , 901.		2
3	Power Generation of a $\text{Ca}_{3}\text{Co}_{4}\text{O}_{9}/\text{CaMnO}_{3}$ Module. International Journal of Applied Ceramic Technology, 2007, 4, 535-540.	2.1	56
4	Effect of impurity oxygen concentration on the thermoelectric properties of hot-pressed $\text{Zn}_{4}\text{Sb}_{3}$. Journal of Alloys and Compounds, 2006, 417, 259-263.	5.5	11
5	Bi-Substitution Effects on Crystal Structure and Thermoelectric Properties of $\text{Ca}_{3}\text{Co}_{4}\text{O}_{9}$ Single Crystals. Japanese Journal of Applied Physics, 2006, 45, 4131-4136.	1.5	43
6	Thermal Stability and Mechanical Properties of Plasma Sprayed $\text{Al}_{2}\text{O}_{3}/\text{ZrO}_{2}$ Nano-Composite Coating. Key Engineering Materials, 2006, 317-318, 513-516.	0.4	4
7	Effect of Reactive Filler Addition for Matrix of SiC Fiber/SiC Composite. Key Engineering Materials, 2006, 317-318, 487-490.	0.4	2
8	Control of Structure and Properties on $\text{Al}_{2}\text{O}_{3}/\text{YAG}$ Composite Coating Prepared by Plasma Spray Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2005, 69, 23-30.	0.4	2
9	Structure Control of Plasma Sprayed Zircon Coating by Substrate Preheating and Post Heat Treatment. Materials Transactions, 2005, 46, 669-674.	1.2	27
10	Micro Gas Turbine With Ceramic Nozzle and Rotor. , 2005, , 973.		8
11	Optimization of hot-press conditions of $\text{Zn}_{4}\text{Sb}_{3}$ for high thermoelectric performance. II. Mechanical properties. Journal of Alloys and Compounds, 2005, 388, 118-121.	5.5	36
12	Optimization of hot-press conditions of $\text{Zn}_{4}\text{Sb}_{3}$ for high thermoelectric performance. Journal of Alloys and Compounds, 2005, 392, 295-299.	5.5	16
13	Particle Impact Damage and Point Load-Induced Fracture Behavior in Zirconia Plasma Spray Coating Film. , 2005, , 437-450.		0
14	Point load-induced fracture behavior in zirconia plasma spray coating. Ceramics International, 2004, 30, 2251-2257.	4.8	5
15	Optimization of hot-press conditions of $\text{Zn}_{4}\text{Sb}_{3}$ for high thermoelectric performance. Journal of Alloys and Compounds, 2004, 384, 254-260.	5.5	42
16	Process Dependence of Ir-Based Bond Coatings. Materials Transactions, 2004, 45, 2886-2890.	1.2	13
17	Chemical State and Refractive Index of Mg-Ion-Implanted Silica Glass. Japanese Journal of Applied Physics, 2002, 41, 7447-7452.	1.5	3
18	Thermoelectric properties of $\text{Ln}_{2-x}\text{Bi}_x\text{Ru}_2\text{O}_7$ pyrochlores (Ln=Nd and Yb). Materials Letters, 2001, 51, 347-350.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Thermoelectric properties of spark plasma sintered Ca _{2.75} Gd _{0.25} Co ₄ O ₉ ceramics. Journal of Applied Physics, 2001, 90, 462-465.	2.5	84
20	Synthesis and thermoelectric properties of the new oxide ceramics Ca _{3-\hat{x}} Sr _x Co ₄ O _{9+$\hat{1}$} ($x=0.0\hat{\epsilon}1.0$). Ceramics International, 2001, 27, 321-324.	4.8	71
21	Fabrication of an all-oxide thermoelectric power generator. Applied Physics Letters, 2001, 78, 3627-3629.	3.3	159
22	Mechanical properties and fracture behavior of fibrous Al ₂ O ₃ /SiC ceramics. Journal of the European Ceramic Society, 2000, 20, 1877-1881.	5.7	26
23	Magnetic and thermoelectric properties of NaCo _{2-\hat{x}} M _x O ₄ (M = Mn, Ru). Materials Research Bulletin, 2000, 35, 2371-2378.	5.2	28
24	An Oxide Single Crystal with High Thermoelectric Performance in Air. Japanese Journal of Applied Physics, 2000, 39, L1127-L1129.	1.5	508
25	Mechanical properties and fracture behavior of Al ₂ O ₃ laminates with different architectures. Materials Letters, 2000, 46, 65-69.	2.6	1
26	Synthesis and Thermoelectric Properties of the New Oxide Materials Ca _{3-x} BixCo ₄ O _{9+$\hat{1}$} (0.0 x 0.75). Chemistry of Materials, 2000, 12, 2424-2427.	6.7	226
27	Thermoelectric properties of Bi ₂ Sr ₂ Co ₂ O _x polycrystalline materials. Applied Physics Letters, 2000, 76, 2385-2387.	3.3	237
28	Nanograin Formation and Superplastic Deformation in TiAl Mechanically Alloyed Compacts. Materials Science Forum, 1997, 233-234, 287-294.	0.3	4
29	Si ₃ N ₄ -Matrix Composite with TiN Particles Formed by In-situ Reaction. Journal of the Ceramic Society of Japan, 1997, 105, 304-307.	1.3	11
30	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