Hiroshi Nakatsugawa

List of Publications by Year
in descending order

37	597	623699	610883
papers	citations	14 h-index	24 g-index

37	37	37	684
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ca₃Co₄O_{9â˜Î´}: A Thermoelectric Material for SOFC Cathode. Chemistry of Materials, 2009, 21, 4738-4745.	6.7	80
2	Electronic structures and magnetic properties in Sr1-xLaxRuO3(0.0â©½xâ©½0.5). Journal of Physics Condensed Matter, 2002, 14, 415-425.	1.8	78
3	Electrical transport properties in LiMn2O4, Li0.95Mn2O4, and LiMn1.95B0.05O4 (B=Al or Ga) around room temperature. Journal of Applied Physics, 2002, 91, 2149-2154.	2.5	54
4	Polaronic Conduction in La2â˜xSrxCoO4(0.25â‰xâ‰1.10) below Room Temperature. Journal of Solid State Chemistry, 1998, 139, 176-184.	2.9	39
5	Electrical Transport in Semiconducting (LaMn1â˜xTix)1â˜Î³O3(xâ‰0.05). Journal of Solid State Chemistry, 1997, 133, 466-472.	2.9	36
6	Transition phenomenon inTi2O3using the discrete variationalXÎ±cluster method and periodic shell model. Physical Review B, 1997, 56, 12931-12938.	3.2	35
7	Optimisation of the Solid Oxide Fuel Cell (SOFC) cathode material Ca3Co4O9â˜Î´. Journal of Power Sources, 2011, 196, 7328-7332.	7.8	33
8	The origin of the change in type of the majority carrier in. Journal of Physics Condensed Matter, 1999, 11, 1711-1722.	1.8	24
9	Small polarons in La2/3TiO3â˜Î´. Journal of Applied Physics, 2000, 88, 2560-2563.	2.5	20
10	Texture development of Ca3Co4O9 thermoelectric oxide by high temperature plastic deformation and its contribution to the improvement in electric conductivity. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 527, 61-64.	5.6	20
11	Electrical transport in below 60 K. Journal of Physics Condensed Matter, 1998, 10, 8999-9013.	1.8	17
12	Thermoelectric Properties of Heusler Fe2TiSn Alloys. Journal of Electronic Materials, 2020, 49, 2802-2812.	2.2	17
13	Electronic structures inVO2susing the periodic polarizable point-ion shell model and DV-XÎ± method. Physical Review B, 1997, 55, 2157-2163.	3.2	14
14	Correlation between hopping conduction and transferred exchange interaction in La2NiO4+Î´ below 300 K. Physica B: Condensed Matter, 1999, 270, 332-340.	2.7	14
15	Evidence for the two-dimensional hybridization in Na0.79CoO2 and Na0.84CoO2. Journal of Solid State Chemistry, 2004, 177, 1137-1145.	2.9	14
16	High-Temperature Thermoelectric Properties of Perovskite-Type Pr0.9Sr0.1Mn1â˜x Fe x O3 (0Ââ‰ÂxÂâ‰Â1). Journal of Electronic Materials, 2017, 46, 3262-3272.	2.2	14
17	Thermoelectric properties in Bi2-xPbxSr3-yYyCo2O9-Î´ceramics. Journal Physics D: Applied Physics, 2001, 34, 1017-1024.	2.8	10
18	Thermoelectric and Magnetic Properties of Pr_{1−}<i>_x</i>Sr<i>_x</i>MnO<s (0.1 ≦ <i>x</i> ≦ 0.7). Materials Transactions, 2015, 56, 864-871.	1.2	8

#	Article	IF	Citations
19	The NiO(001) surface structure calculated by a two-dimensional polarizable point-ion shell model. Surface Science, 1996, 357-358, 96-101.	1.9	7
20	Application of a polarizable point-ion shell model to a two-dimensional periodic structure: The NiO (001) surface. Physical Review B, 1995, 51, 10956-10964.	3.2	6
21	Study of Electronic Structures in LaCo1-xTixO3(x= 0, 0.05 and 0.15) Using Discrete-Variational-XÎ± Cluster Method. Japanese Journal of Applied Physics, 2000, 39, 1186-1189.	1.5	6
22			

#	Article	IF	Citations
37	Deformation and Texture Behaviors of Co-Oxides with Misfit Structure under High Temperature Compression. Ceramic Engineering and Science Proceedings, 0, , 41-50.	0.1	0