Ngo Van Nong

List of Publications by Year
in descending order

66	1,951	218592	265120
papers	citations	26 h-index	42 g-index

68	68	68	2087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication with Semiconductor Packaging Technologies and Characterization of a Largeâ€Scale Flexible Thermoelectric Module. Advanced Materials Technologies, 2019, 4, 1800556.	3.0	26
2	Contact of ZnSb thermoelectric material to metallic electrodes using S-Bond 400 solder alloy. Materials Today: Proceedings, 2019, 8, 625-631.	0.9	3
3	Tuning diffusion paths in shaped ceria nanocrystals. CrystEngComm, 2019, 21, 4025-4029.	1.3	7
4	Effect of oxygen defects blocking barriers on gadolinium doped ceria (GDC) electro-chemo-mechanical properties. Acta Materialia, 2019, 174, 53-60.	3.8	34
5	Formation mechanism and thermoelectric properties of CaMnO3 thin films synthesized by annealing of Ca0.5Mn0.5O films. Journal of Materials Science, 2019, 54, 8482-8491.	1.7	11
6	P-type Al-doped Cr-deficient CrN thin films for thermoelectrics. Applied Physics Express, 2018, 11, 051003.	1.1	21
7	Tuning the thermoelectric properties by manipulating copper in Cu2SnSe3 system. Journal of Alloys and Compounds, 2018, 748, 273-280.	2.8	13
8	In Situ TEM Studies of Nanostructured Thermoelectric Materials: An Application to Mgâ€Doped Zn₄Sb₃ Alloy. ChemPhysChem, 2018, 19, 108-115.	1.0	7
9	Efficient p-n junction-based thermoelectric generator that can operate at extreme temperature conditions. Journal Physics D: Applied Physics, 2018, 51, 014005.	1.3	20
10	Effect of ion-implantation-induced defects and Mg dopants on the thermoelectric properties of ScN. Physical Review B, 2018, 98, .	1.1	31
11	Hydrothermal Synthesis, Characterization, and Sintering Behavior of Core-Shell Particles: A Principle Study on Lanthanum Strontium Cobaltite Coated with Nanosized Gadolinium Doped Ceria. Ceramics, 2018, 1, 246-260.	1.0	3
12	Experimental Determination of the Formation Enthalpy of Calcium Cobaltate from Solâ€“Gel Precursors. Journal of Electronic Materials, 2017, 46, 1413-1417.	1.0	1
13	Microstructure and chemical data of the thermoelectric ZnSb material after joining to metallic electrodes and heat treatment. Data in Brief, 2017, 15, 97-101.	0.5	1
14	Reduction of the thermal conductivity of the thermoelectric material ScN by Nb alloying. Journal of Applied Physics, 2017, 122, 025116.	1.1	28
15	Solder free joining as a highly effective method for making contact between thermoelectric materials and metallic electrodes. Materials Today Energy, 2017, 5, 305-311.	2.5	5
16	Phonon thermal conductivity of scandium nitride for thermoelectrics from first-principles calculations and thin-film growth. Physical Review B, 2017, 96, .	1.1	30
17	In Operando Study of Highâ€Performance Thermoelectric Materials for Power Generation: A Case Study of Î²â€Zn₄sb₃. Advanced Electronic Materials, 2017, 3, 1700223.	2.6	17
18	Scandium-doped zinc cadmium oxide as a new stable n-type oxide thermoelectric material. Journal of Materials Chemistry A, 2016, 4, 12221-12231.	5.2	32

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19	Experimental and theoretical investigation of Cr1-xScxN solid solutions for thermoelectrics. Journal of Applied Physics, 2016, 120, .	1.1	33
20	Promising bulk nanostructured Cu₂Se thermoelectrics via high throughput and rapid chemical synthesis. RSC Advances, 2016, 6, 111457-111464.	1.7	38
21	Effects of spark plasma sintering conditions on the anisotropic thermoelectric properties of bismuth antimony telluride. RSC Advances, 2016, 6, 59565-59573.	1.7	33
22	On the chemical synthesis route to bulk-scale skutterudite materials. Ceramics International, 2016, 42, 5312-5318.	2.3	1
23	On the Challenges of Reducing Contact Resistances in Thermoelectric Generators Based on Half-Heusler Alloys. Journal of Electronic Materials, 2016, 45, 594-601.	1.0	25
24	Segmented Thermoelectric Oxideâ€Based Module for Highâ€Temperature Waste Heat Harvesting. Energy Technology, 2015, 3, 1143-1151.	1.8	29
25	Mechanism of Formation of the Thermoelectric Layered Cobaltate Ca₃Co₄O₉ by Annealing of CaOâ€“CoO Thin Films. Advanced Electronic Materials, 2015, 1, 1400022.	2.6	31
26	Effects of Yttrium and Iron co-doping on the high temperature thermoelectric properties of Ca3Co4O9+Î´. Journal of Alloys and Compounds, 2015, 638, 127-132.	2.8	20
27	Segmentation of lowâ€cost high efficiency oxideâ€based thermoelectric materials. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 767-774.	0.8	25
28	High performance p-type segmented leg of misfit-layered cobaltite and half-Heusler alloy. Energy Conversion and Management, 2015, 99, 20-27.	4.4	23
29	High-temperature stability of thermoelectric Ca3Co4O9 thin films. Applied Physics Letters, 2015, 106, 143903.	1.5	10
30	Ambient effects on the electrical conductivity of carbon nanotubes. Carbon, 2015, 95, 347-353.	5.4	27
31	Effects of conducting oxide barrier layers on the stability of CroferÂ® 22 APU/Ca3Co4O9 interfaces. Journal of Materials Research, 2014, 29, 2891-2897.	1.2	2
32	Towards high efficiency segmented thermoelectric unicouples. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 9-17.	0.8	80
33	High temperature thermoelectric properties of Ca3Co4O9+Î´ by auto-combustion synthesis and spark plasma sintering. Journal of the European Ceramic Society, 2014, 34, 925-931.	2.8	80
34	Characterization of the interface between an Feâ€“Cr alloy and the p-type thermoelectric oxide Ca3Co4O9. Journal of Alloys and Compounds, 2014, 582, 827-833.	2.8	22
35	Fabrication, spark plasma consolidation, and thermoelectric evaluation of nanostructured CoSb3. Journal of Alloys and Compounds, 2014, 612, 293-300.	2.8	22
36	Effects of morphology on the thermoelectric properties of Al-doped ZnO. RSC Advances, 2014, 4, 12353.	1.7	68

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37	Kinetics, Stability, and Thermal Contact Resistance of Nickelâ€“Ca3Co4O9 Interfaces Formed by Spark Plasma Sintering. Journal of Electronic Materials, 2013, 42, 1661-1668.	1.0	6
38	Effects of Synthesis and Spark Plasma Sintering Conditions on the Thermoelectric Properties of Ca3Co4O9+Î´. Journal of Electronic Materials, 2013, 42, 2134-2142.	1.0	16
39	High-temperature thermoelectric properties of Ca0.9Y0.1Mn1â^'x Fe x O3 (0Ââ‰ÂxÂâ‰Â0.25). Journal of Materials Science, 2013, 48, 2817-2822.	1.7	12
40	The influence of Î±- and Î³-Al2O3 phases on the thermoelectric properties of Al-doped ZnO. Journal of Alloys and Compounds, 2013, 555, 291-296.	2.8	45
41	The Influence of Spark Plasma Sintering Temperature on the Microstructure and Thermoelectric Properties of Al,Ga Dual-Doped ZnO. Journal of Electronic Materials, 2013, 42, 1573-1581.	1.0	27
42	Thermoelectric properties and microstructure of modified novel complex cobalt oxides Sr3RECo4O10.5 (RE = Y, Gd). , 2012, , .		1
43	Thermoelectric properties of SnO2-based ceramics doped with Nd, Hf or Bi. AIP Conference Proceedings, 2012, , .	0.3	14
44	Electronic-structure origin of the anisotropic thermopower of nanolaminated Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>SiC<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>determined by polarized x-ray spectroscopy and Seebeck measurements. Physical Review B, 2012, 85, .	1.1	31
45	X-ray absorption spectroscopy studies of Ca2.9Ln0.1Co4O9+Î´ (Ln=Ca, Dy, Ho, Er and Lu). Journal of Alloys and Compounds, 2012, 529, 8-11.	2.8	3
46	Microstructure and Thermoelectric Properties of Screen-Printed Thick Films of Misfit-Layered Cobalt Oxides with Ag Addition. Journal of Electronic Materials, 2012, 41, 1280-1285.	1.0	13
47	Structure and thermoelectric properties of Ca2â^'xSrxFeMoO6 (0â‰xâ‰0.3) double-perovskite oxides. Materials Chemistry and Physics, 2012, 133, 630-634.	2.0	27
48	Lowâ€Cost Highâ€Performance Zinc Antimonide Thin Films for Thermoelectric Applications. Advanced Materials, 2012, 24, 1693-1696.	11.1	60
49	High-temperature thermoelectric properties of late rare earth-doped Ca3Co4O9+Î´. Journal of Alloys and Compounds, 2011, 509, 977-981.	2.8	101
50	Structural, magnetic and magnetocaloric properties of Heusler alloys Ni50Mn38Sb12 with boron addition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1322-1325.	1.7	20
51	Enhanced electrochemical performance of the solid oxide fuel cell cathode using Ca3Co4O9+Î´. Journal of Power Sources, 2011, 196, 10606-10610.	4.0	26
52	Thermoelectric Properties of SnO2 Ceramics Doped with Sb and Zn. Journal of Electronic Materials, 2011, 40, 674-677.	1.0	31
53	High-Temperature Thermoelectric and Microstructural Characteristics of Cobalt-Based Oxides with Ga Substituted on the Co-Site. Journal of Electronic Materials, 2011, 40, 716-722.	1.0	25
54	Improved Thermoelectric Characteristics of Si-Doped Misfit-Layered Cobaltite. Journal of Electronic Materials, 2011, 40, 1042-1045.	1.0	28

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55	Enhancement of the Thermoelectric Performance of pâ€Type Layered Oxide Ca₃Co₄O₉₊_{Î´} Through Heavy Doping and Metallic Nanoinclusions. Advanced Materials, 2011, 23, 2484-2490.	11.1	249
56	Anomalously high thermoelectric power factor in epitaxial ScN thin films. Applied Physics Letters, 2011, 99, .	1.5	84
57	The Effect of (Ag, Ni, Zn)-Addition on the Thermoelectric Properties of Copper Aluminate. Materials, 2010, 3, 318-328.	1.3	56
58	Improvement on the high temperature thermoelectric performance of Ga-doped misfit-layered Ca3Co4â^'xGaxO9+Î´ (x=0, 0.05, 0.1, and 0.2). Journal of Alloys and Compounds, 2010, 491, 53-56.	2.8	97
59	High thermoelectric performance of reduced lanthanide molybdenum oxides densified by spark plasma sintering. Journal of Alloys and Compounds, 2010, 500, 22-25.	2.8	12
60	Structural and Magnetic Phase Transitions of Shape-Memory Ni50Mn25+xGa25-x Alloys with Excess Mn. Journal of the Korean Physical Society, 2008, 52, 1478-1482.	0.3	2
61	Thermoelectric properties and local electronic structure of rare earth-doped Ca3Co2O6. , 2006, , .		1
62	Power factors of late rare earth-doped Ca3Co2O6 oxides. Solid State Communications, 2006, 139, 232-234.	0.9	16
63	Temperature dependence of magnetic properties in Ni-Mn-Ga shape memory alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3579-3582.	0.8	2
64	Magnetism and magnetocaloric effect in La1â^'yNdy(Fe0.88Si0.12)13 compounds. Journal of Magnetism and Magnetic Materials, 2003, 262, 427-431.	1.0	60
65	Electrical resistance study of Tb5(SixGe1â^'x)4 compounds. Physica B: Condensed Matter, 2003, 327, 324-327.	1.3	4
66	Magnetic properties and magnetocaloric effect of Tb5(SixGe1â^'x)4 compounds. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 841-843.	1.0	22