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	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
2	High-temperature thermoelectric properties of late rare earth-doped Ca3Co4O9+Î´. Journal of Alloys and Compounds, 2011, 509, 977-981.	2.8	101
3	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
4	Anomalously high thermoelectric power factor in epitaxial ScN thin films. Applied Physics Letters, 2011, 99, .	1.5	84
5	Towards high efficiency segmented thermoelectric unicouples. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 9-17.	0.8	80
6	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
7	Effects of morphology on the thermoelectric properties of Al-doped ZnO. RSC Advances, 2014, 4, 12353.	1.7	68
8	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
9	Lowâ€Cost Highâ€Performance Zinc Antimonide Thin Films for Thermoelectric Applications. Advanced Materials, 2012, 24, 1693-1696.	11.1	60
10	The Effect of (Ag, Ni, Zn)-Addition on the Thermoelectric Properties of Copper Aluminate. Materials, 2010, 3, 318-328.	1.3	56
11	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
12	Promising bulk nanostructured Cu₂Se thermoelectrics via high throughput and rapid chemical synthesis. RSC Advances, 2016, 6, 111457-111464.	1.7	38
13	Effect of oxygen defects blocking barriers on gadolinium doped ceria (GDC) electro-chemo-mechanical properties. Acta Materialia, 2019, 174, 53-60.	3.8	34
14	Experimental and theoretical investigation of Cr1-xScxN solid solutions for thermoelectrics. Journal of Applied Physics, 2016, 120, .	1.1	33
15	Effects of spark plasma sintering conditions on the anisotropic thermoelectric properties of bismuth antimony telluride. RSC Advances, 2016, 6, 59565-59573.	1.7	33
16	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
17	Thermoelectric Properties of SnO2 Ceramics Doped with Sb and Zn. Journal of Electronic Materials, 2011, 40, 674-677.	1.0	31
18	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

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19	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
20	Effect of ion-implantation-induced defects and Mg dopants on the thermoelectric properties of ScN. Physical Review B, 2018, 98, .	1.1	31
21	Phonon thermal conductivity of scandium nitride for thermoelectrics from first-principles calculations and thin-film growth. Physical Review B, 2017, 96, .	1.1	30
22	Segmented Thermoelectric Oxideâ€Based Module for Highâ€Temperature Waste Heat Harvesting. Energy Technology, 2015, 3, 1143-1151.	1.8	29
23	Improved Thermoelectric Characteristics of Si-Doped Misfit-Layered Cobaltite. Journal of Electronic Materials, 2011, 40, 1042-1045.	1.0	28
24	Reduction of the thermal conductivity of the thermoelectric material ScN by Nb alloying. Journal of Applied Physics, 2017, 122, 025116.	1.1	28
25	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
26	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
27	Ambient effects on the electrical conductivity of carbon nanotubes. Carbon, 2015, 95, 347-353.	5.4	27
28	Enhanced electrochemical performance of the solid oxide fuel cell cathode using Ca3Co4O9+Î´. Journal of Power Sources, 2011, 196, 10606-10610.	4.0	26
29	Fabrication with Semiconductor Packaging Technologies and Characterization of a Largeâ€Scale Flexible Thermoelectric Module. Advanced Materials Technologies, 2019, 4, 1800556.	3.0	26
30	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
31	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
32	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
33	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
34	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
35	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
36	Fabrication, spark plasma consolidation, and thermoelectric evaluation of nanostructured CoSb3. Journal of Alloys and Compounds, 2014, 612, 293-300.	2.8	22

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37	P-type Al-doped Cr-deficient CrN thin films for thermoelectrics. Applied Physics Express, 2018, 11, 051003.	1.1	21
38	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
39	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
40	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
41	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
42	Power factors of late rare earth-doped Ca3Co2O6 oxides. Solid State Communications, 2006, 139, 232-234.	0.9	16
43	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
44	Thermoelectric properties of SnO2-based ceramics doped with Nd, Hf or Bi. AIP Conference Proceedings, 2012, , .	0.3	14
45	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
46	Tuning the thermoelectric properties by manipulating copper in Cu2SnSe3 system. Journal of Alloys and Compounds, 2018, 748, 273-280.	2.8	13
47	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
48	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
49	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
50	High-temperature stability of thermoelectric Ca3Co4O9 thin films. Applied Physics Letters, 2015, 106, 143903.	1.5	10
51	In Situ TEM Studies of Nanostructured Thermoelectric Materials: An Application to Mgâ€Doped Zn₄Sb₃ Alloy. ChemPhysChem, 2018, 19, 108-115.	1.0	7
52	Tuning diffusion paths in shaped ceria nanocrystals. CrystEngComm, 2019, 21, 4025-4029.	1.3	7
53	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
54	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

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55	Electrical resistance study of Tb5(SixGe1â˜x)4 compounds. Physica B: Condensed Matter, 2003, 327, 324-327.	1.3	4
56	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
57	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
58	Contact of ZnSb thermoelectric material to metallic electrodes using S-Bond 400 solder alloy. Materials Today: Proceedings, 2019, 8, 625-631.	0.9	3
59	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
60	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
61	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
62	Thermoelectric properties and local electronic structure of rare earth-doped Ca3Co2O6. , 2006, , .		1
63	Thermoelectric properties and microstructure of modified novel complex cobalt oxides Sr3RECo4O10.5 (RE = Y, Gd). , 2012, , .		1
64	On the chemical synthesis route to bulk-scale skutterudite materials. Ceramics International, 2016, 42, 5312-5318.	2.3	1
65	Experimental Determination of the Formation Enthalpy of Calcium Cobaltate from Solâ€“Gel Precursors. Journal of Electronic Materials, 2017, 46, 1413-1417.	1.0	1
66	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