

Nini Pryds

List of Publications by Year in descending order

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237
papers

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citations

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docs citations

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times ranked

8510
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials Challenges for High Performance Magnetocaloric Refrigeration Devices. <i>Advanced Energy Materials</i> , 2012, 2, 1288-1318.	19.5	458
2	Metallic and Insulating Interfaces of Amorphous SrTiO ₃ -Based Oxide Heterostructures. <i>Nano Letters</i> , 2011, 11, 3774-3778.	9.1	304
3	A high-mobility two-dimensional electron gas at the spinel/perovskite interface of $\hat{\Gamma}^3$ -Al ₂ O ₃ /SrTiO ₃ . <i>Nature Communications</i> , 2013, 4, 1371.	12.8	285
4	A regenerative elastocaloric heat pump. <i>Nature Energy</i> , 2016, 1, .	39.5	271
5	The 2016 oxide electronic materials and oxide interfaces roadmap. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 433001.	2.8	266
6	Enhancement of the Thermoelectric Performance of p-Type Layered Oxide Ca ₃ Co ₄ O ₉₊ Through Heavy Doping and Metallic Nanoinclusions. <i>Advanced Materials</i> , 2011, 23, 2484-2490.	21.0	249
7	Towards Oxide Electronics: a Roadmap. <i>Applied Surface Science</i> , 2019, 482, 1-93.	6.1	236
8	The Elastocaloric Effect: A Way to Cool Efficiently. <i>Advanced Energy Materials</i> , 2015, 5, 1500361.	19.5	234
9	Oxygen vacancies: The (in)visible friend of oxide electronics. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	218
10	2022 roadmap on neuromorphic computing and engineering. <i>Neuromorphic Computing and Engineering</i> , 2022, 2, 022501.	5.9	217
11	Elastocaloric effect of Ni-Ti wire for application in a cooling device. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	196
12	Review on numerical modeling of active magnetic regenerators for room temperature applications. <i>International Journal of Refrigeration</i> , 2011, 34, 603-616.	3.4	182
13	Extreme mobility enhancement of two-dimensional electron gases at oxide interfaces by charge-transfer-induced modulation doping. <i>Nature Materials</i> , 2015, 14, 801-806.	27.5	174
14	Low-temperature Superionic Conductivity in Strained Yttria-Stabilized Zirconia. <i>Advanced Functional Materials</i> , 2010, 20, 2071-2076.	14.9	150
15	Enhancement of the chemical stability in confined $\hat{\Gamma}$ -Bi ₂ O ₃ . <i>Nature Materials</i> , 2015, 14, 500-504.	27.5	148
16	Review and comparison of magnet designs for magnetic refrigeration. <i>International Journal of Refrigeration</i> , 2010, 33, 437-448.	3.4	138
17	Experimental results for a novel rotary active magnetic regenerator. <i>International Journal of Refrigeration</i> , 2012, 35, 1498-1505.	3.4	127
18	Cathode-Electrolyte Interfaces with CGO Barrier Layers in SOFC. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2877-2883.	3.8	103

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19	Design and experimental tests of a rotary active magnetic regenerator prototype. International Journal of Refrigeration, 2015, 58, 14-21.	3.4	99
20	High performance magnetocaloric perovskites for magnetic refrigeration. Applied Physics Letters, 2012, 100, .	3.3	95
21	A regenerative elastocaloric device: experimental results. Journal Physics D: Applied Physics, 2017, 50, 424006.	2.8	90
22	Creation of High Mobility Two-Dimensional Electron Gases via Strain Induced Polarization at an Otherwise Nonpolar Complex Oxide Interface. Nano Letters, 2015, 15, 1849-1854.	9.1	89
23	Quantization of Hall Resistance at the Metallic Interface between an Oxide Insulator and $\langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \text{SrTiO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mn} \text{3} \langle \text{mml:mn} \rangle \rangle \rangle \rangle \rangle \rangle$ Physical Review Letters. 2016. 117. 096804.	7.8	87
24	Anomalously high thermoelectric power factor in epitaxial ScN thin films. Applied Physics Letters, 2011, 99, .	3.3	84
25	Two-dimensional mathematical model of a reciprocating room-temperature Active Magnetic Regenerator. International Journal of Refrigeration, 2008, 31, 432-443.	3.4	83
26	Ultra-thin Cu ₂ ZnSnS ₄ solar cell by pulsed laser deposition. Solar Energy Materials and Solar Cells, 2017, 166, 91-99.	6.2	83
27	Towards high efficiency segmented thermoelectric unicouples. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 9-17.	1.8	80
28	High temperature thermoelectric properties of Ca ₃ Co ₄ O ₉ + δ by auto-combustion synthesis and spark plasma sintering. Journal of the European Ceramic Society, 2014, 34, 925-931.	5.7	80
29	Detailed numerical modeling of a linear parallel-plate Active Magnetic Regenerator. International Journal of Refrigeration, 2009, 32, 1478-1486.	3.4	79
30	Visible-light-enhanced gating effect at the LaAlO ₃ /SrTiO ₃ interface. Nature Communications, 2014, 5, 5554.	12.8	79
31	A versatile magnetic refrigeration test device. Review of Scientific Instruments, 2008, 79, 093906.	1.3	72
32	Performance analysis of a rotary active magnetic refrigerator. Applied Energy, 2013, 111, 669-680.	10.1	72
33	The Effect of Particle Size Distributions on the Microstructural Evolution During Sintering. Journal of the American Ceramic Society, 2013, 96, 103-110.	3.8	71
34	Understanding the Thermodynamic Properties of the Elastocaloric Effect Through Experimentation and Modelling. Shape Memory and Superelasticity, 2016, 2, 317-329.	2.2	70
35	Effects of morphology on the thermoelectric properties of Al-doped ZnO. RSC Advances, 2014, 4, 12353.	3.6	68
36	Room Temperature Formation of High-Mobility Two-Dimensional Electron Gases at Crystalline Complex Oxide Interfaces. Advanced Materials, 2014, 26, 1462-1467.	21.0	65

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37	Strain-tunable magnetism at oxide domain walls. <i>Nature Physics</i> , 2019, 15, 269-274.	16.7	65
38	Optimization and improvement of Halbach cylinder design. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	64
39	Comparison of adjustable permanent magnetic field sources. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3664-3671.	2.3	59
40	Development and experimental results from a 1ÂkW prototype AMR. <i>International Journal of Refrigeration</i> , 2014, 37, 78-83.	3.4	59
41	Analysis of the internal heat losses in a thermoelectric generator. <i>International Journal of Thermal Sciences</i> , 2014, 85, 12-20.	4.9	59
42	Induced giant piezoelectricity in centrosymmetric oxides. <i>Science</i> , 2022, 375, 653-657.	12.6	59
43	Experimental and numerical results of a high frequency rotating active magnetic refrigerator. <i>International Journal of Refrigeration</i> , 2014, 37, 92-98.	3.4	58
44	Indirect measurement of the magnetocaloric effect using a novel differential scanning calorimeter with magnetic field. <i>Review of Scientific Instruments</i> , 2008, 79, 083901.	1.3	56
45	The Effect of (Ag, Ni, Zn)-Addition on the Thermoelectric Properties of Copper Aluminate. <i>Materials</i> , 2010, 3, 318-328.	2.9	56
46	Stimulating Oxide Heterostructures: A Review on Controlling SrTiO ₃ -Based Heterointerfaces with External Stimuli. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900772.	3.7	56
47	Surface Pyroelectricity in Cubic SrTiO ₃ . <i>Advanced Materials</i> , 2019, 31, e1904733.	21.0	54
48	Plasma plume effects on the conductivity of amorphous-LaAlO ₃ /SrTiO ₃ interfaces grown by pulsed laser deposition in O ₂ and Ar. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	52
49	An optimized magnet for magnetic refrigeration. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3324-3328.	2.3	49
50	Thickness determination of large-area films of yttria-stabilized zirconia produced by pulsed laser deposition. <i>Applied Surface Science</i> , 2006, 252, 4882-4885.	6.1	48
51	Thermodynamics and mechanism of demixing in undercooled Cu-Co-Ni alloys. <i>Acta Materialia</i> , 2007, 55, 6642-6650.	7.9	47
52	A comprehensive parameter study of an active magnetic regenerator using a 2D numerical model. <i>International Journal of Refrigeration</i> , 2010, 33, 753-764.	3.4	46
53	When two become one: An insight into 2D conductive oxide interfaces. <i>Journal of Electroceramics</i> , 2017, 38, 1-23.	2.0	46
54	The influence of γ - and β -Al ₂ O ₃ phases on the thermoelectric properties of Al-doped ZnO. <i>Journal of Alloys and Compounds</i> , 2013, 555, 291-296.	5.5	45

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55	Comparison between a 1D and a 2D numerical model of an active magnetic regenerative refrigerator. Journal Physics D: Applied Physics, 2008, 41, 105002.	2.8	44
56	Giant Tunability of the Two-Dimensional Electron Gas at the Interface of $\text{I}^3\text{-Al}_2\text{O}_3/\text{SrTiO}_3$. Nano Letters, 2017, 17, 6878-6885.	9.1	44
57	Electron mobility in oxide heterostructures. Journal Physics D: Applied Physics, 2018, 51, 293002.	2.8	44
58	Resistance switching at the interface of $\text{LaAlO}_3/\text{SrTiO}_3$. Applied Physics Letters, 2010, 97, .	3.3	43
59	Pulsed laser deposition from ZnS and Cu_2SnS_3 multicomponent targets. Applied Surface Science, 2015, 336, 385-390.	6.1	41
60	Evidence of weak superconductivity at the room-temperature grown $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Physical Review B, 2016, 93, .	6.1	39
61	Characterization of yttria-stabilized zirconia thin films grown by pulsed laser deposition (PLD) on various substrates. Applied Surface Science, 2007, 254, 1338-1342.	6.1	39
62	Crystallization of $\text{Cu}_{60}\text{Ti}_{20}\text{Zr}_{20}$ metallic glass with and without pressure. Journal of Materials Research, 2003, 18, 895-898.	2.6	37
63	Characterization of lysozyme films produced by matrix assisted pulsed laser evaporation (MAPLE). Applied Surface Science, 2007, 253, 6451-6455.	6.1	37
64	Ionic conductivity and thermal stability of magnetron-sputtered nanocrystalline yttria-stabilized zirconia. Journal of Applied Physics, 2009, 105, 104907.	2.5	36
65	Strain induced ionic conductivity enhancement in epitaxial $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_2$ thin films. Applied Physics Letters, 2012, 100, .	3.3	36
66	Freestanding Perovskite Oxide Films: Synthesis, Challenges, and Properties. Annalen Der Physik, 2022, 534, .	2.4	36
67	Magnetic two-dimensional electron gas at the manganite-buffered $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Physical Review B, 2017, 96, .	6.1	35
68	The emergence of magnetic ordering at complex oxide interfaces tuned by defects. Nature Communications, 2020, 11, 3650.	12.8	35
69	Thermodynamic Ground States of Complex Oxide Heterointerfaces. ACS Applied Materials & Interfaces, 2017, 9, 1086-1092.	8.0	34
70	The effect of partial crystallization on elevated temperature flow stress and room temperature hardness of a bulk amorphous $\text{Mg}_{60}\text{Cu}_{30}\text{Y}_{10}$ alloy. Acta Materialia, 2004, 52, 1989-1995.	7.9	33
71	Band bending and alignment at the spinel/perovskite $\text{I}^3/\text{SrTiO}_3$ interface. Physical Review B, 2015, 91, .	6.1	33
72	Elastocaloric effect of a Ni-Ti plate to be applied in a regenerator-based cooling device. Science and Technology for the Built Environment, 2016, 22, 489-499.	1.7	33

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73	Effects of spark plasma sintering conditions on the anisotropic thermoelectric properties of bismuth antimony telluride. RSC Advances, 2016, 6, 59565-59573.	3.6	33
74	Electron Mobility in Al_2O_3 Physical Review Applied, 2018, 9, .		
75	$\text{Mg}_{60}\text{Cu}_{30}\text{Y}_{10}$ investigated with EXAFS, x-ray and neutron diffraction, and reverse Monte Carlo simulations. Physical Review B, 2017, 95, 045411.	3.2	32
76	Scandium-doped zinc cadmium oxide as a new stable n-type oxide thermoelectric material. Journal of Materials Chemistry A, 2016, 4, 12221-12231.	10.3	32
77	Microscopic origin of the mobility enhancement at a spinel/perovskite oxide heterointerface revealed by photoemission spectroscopy. Physical Review B, 2017, 96, .	3.2	32
78	Thermoelectric Properties of SnO ₂ Ceramics Doped with Sb and Zn. Journal of Electronic Materials, 2011, 40, 674-677.	2.2	31
79	Transport and excitations in a negative-U quantum dot at the LaAlO ₃ /SrTiO ₃ interface. Nature Communications, 2017, 8, 395.	12.8	31
80	Design concepts for a continuously rotating active magnetic regenerator. International Journal of Refrigeration, 2011, 34, 1792-1796.	3.4	30
81	Determining the minimum mass and cost of a magnetic refrigerator. International Journal of Refrigeration, 2011, 34, 1805-1816.	3.4	29
82	Camber Evolution and Stress Development of Porous Ceramic Bilayers During Co-Firing. Journal of the American Ceramic Society, 2013, 96, 972-978.	3.8	29
83	Controlling interfacial states in amorphous/crystalline LaAlO ₃ /SrTiO ₃ heterostructures by electric fields. Applied Physics Letters, 2013, 102, .	3.3	29
84	Segmented Thermoelectric Oxide-Based Module for High-Temperature Waste Heat Harvesting. Energy Technology, 2015, 3, 1143-1151.	3.8	29
85	On the origin of metallic conductivity at the interface of LaAlO ₃ /SrTiO ₃ . Applied Surface Science, 2012, 258, 9242-9245.	6.1	28
86	The sintering behavior of close-packed spheres. Scripta Materialia, 2012, 67, 81-84.	5.2	28
87	Controlling the Carrier Density of SrTiO ₃ -Based Heterostructures with Annealing. Advanced Electronic Materials, 2017, 3, 1700026.	5.1	28
88	Diluted Oxide Interfaces with Tunable Ground States. Advanced Materials, 2019, 31, e1805970.	21.0	28
89	Modeling kinetics of distortion in porous bi-layered structures. Journal of the European Ceramic Society, 2013, 33, 1297-1305.	5.7	27
90	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.	2.2	27

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91	Sintering of Multilayered Porous Structures: Part II – Experiments and Model Applications. Journal of the American Ceramic Society, 2013, 96, 2666-2673.	3.8	27
92	Densification of Highly Defective Ceria by High Temperature Controlled Re-Oxidation. Journal of the Electrochemical Society, 2014, 161, F3072-F3078.	2.9	27
93	Multi-scale modeling of shape distortions during sintering of bi-layers. Computational Materials Science, 2014, 88, 28-36.	3.0	27
94	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO ₃ Epitaxial Thin Film System. Advanced Electronic Materials, 2018, 4, 1800055.	5.1	27
95	Deposition of La _{0.8} Sr _{0.2} Cr _{0.97} V _{0.03} O ₃ and MnCr ₂ O ₄ thin films on ferritic alloy for solid oxide fuel cell application. Surface and Coatings Technology, 2007, 202, 1262-1266.	4.8	26
96	Enhanced electrochemical performance of the solid oxide fuel cell cathode using Ca ₃ Co ₄ O ₉ +Î. Journal of Power Sources, 2011, 196, 10606-10610.	7.8	26
97	Sintering of Multilayered Porous Structures: Part I – Constitutive Models. Journal of the American Ceramic Society, 2013, 96, 2657-2665.	3.8	26
98	Modeling Sintering of Multilayers Under Influence of Gravity. Journal of the American Ceramic Society, 2013, 96, 80-89.	3.8	26
99	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.	2.2	25
100	Strain in the mesoscale kinetic Monte Carlo model for sintering. Computational Materials Science, 2014, 82, 293-297.	3.0	25
101	Segmentation of low-cost high efficiency oxide-based thermoelectric materials. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 767-774.	1.8	25
102	Effects of surface finish and mechanical training on Ni-Ti sheets for elastocaloric cooling. APL Materials, 2016, 4, .	5.1	25
103	High ionic conductivity in confined bismuth oxide-based heterostructures. APL Materials, 2016, 4, .	5.1	25
104	On the Challenges of Reducing Contact Resistances in Thermoelectric Generators Based on Half-Heusler Alloys. Journal of Electronic Materials, 2016, 45, 594-601.	2.2	25
105	On the growth of gadolinia-doped ceria by pulsed laser deposition. Applied Surface Science, 2009, 255, 5232-5235.	6.1	24
106	An experimental study of passive regenerator geometries. International Journal of Refrigeration, 2011, 34, 1817-1822.	3.4	24
107	Enhanced visible light catalytic activity of MoS ₂ /TiO ₂ /Ti photocathode by hybrid-junction. Applied Catalysis B: Environmental, 2018, 237, 416-423.	20.2	24
108	The spatial thickness distribution of metal films produced by large area pulsed laser deposition. Applied Surface Science, 2007, 253, 8231-8234.	6.1	23

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109	The liquid metastable miscibility gap in the Cu-Co-Fe system. Journal of Materials Science, 2008, 43, 3253-3258.	3.7	23
110	High-mobility two-dimensional electron gases at oxide interfaces: Origin and opportunities. Chinese Physics B, 2013, 22, 116803.	1.4	23
111	High performance p-type segmented leg of misfit-layered cobaltite and half-Heusler alloy. Energy Conversion and Management, 2015, 99, 20-27.	9.2	23
112	A Monolithic Perovskite Structure for Use as a Magnetic Regenerator. Journal of the American Ceramic Society, 2011, 94, 2549-2555.	3.8	22
113	Magnetic refrigeration at room temperature from magnetocaloric materials to a prototype. Journal of Physics: Conference Series, 2011, 303, 012082.	0.4	22
114	Characterization of the interface between an Fe-Cr alloy and the p-type thermoelectric oxide Ca ₃ Co ₄ O ₉ . Journal of Alloys and Compounds, 2014, 582, 827-833.	5.5	22
115	A thermoelectric power generating heat exchanger: Part I Experimental realization. Energy Conversion and Management, 2016, 119, 473-480.	9.2	22
116	Tuning the Two-Dimensional Electron Liquid at Oxide Interfaces by Buffer-Layer-Engineered Redox Reactions. Nano Letters, 2017, 17, 7062-7066.	9.1	22
117	High-temperature thermoelectric properties of Na- and W-Doped Ca ₃ Co ₄ O ₉ system. RSC Advances, 2018, 8, 12211-12221.	3.6	22
118	Thickness dependence of the conductivity of thin films (La,Sr)FeO ₃ deposited on MgO single crystal. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 144, 38-42.	3.5	21
119	Crossover of angular dependent magnetoresistance with the metal-insulator transition in colossal magnetoresistive manganite films. Applied Physics Letters, 2009, 95, .	3.3	21
120	Structural instability and electrical properties in epitaxial Er ₂ O ₃ -stabilized Bi ₂ O ₃ thin films. Solid State Ionics, 2014, 266, 13-18.	2.7	21
121	Magnetic and electronic properties at the O ₃ /SrTiO ₃ interface. Physical Review B, 2019, 99, .	3.2	21
122	Interfacial properties of immiscible Co-Cu alloys. Journal of Materials Science, 2010, 45, 1979-1985.	3.7	20
123	Structural, magnetic and magnetocaloric properties of Heusler alloys Ni ₅₀ Mn ₃₈ Sb ₁₂ with boron addition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1322-1325.	3.5	20
124	Effects of Yttrium and Iron co-doping on the high temperature thermoelectric properties of Ca ₃ Co ₄ O ₉ . Journal of Alloys and Compounds, 2015, 638, 127-132.	5.5	20
125	Electric field control of the Al ₂ O ₃ /SrTiO ₃ interface conductivity at room temperature. Applied Physics Letters, 2016, 109, .	3.3	20
126	Efficient p-n junction-based thermoelectric generator that can operate at extreme temperature conditions. Journal Physics D: Applied Physics, 2018, 51, 014005.	2.8	20

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127	Nanostructured oxide materials and modules for high-temperature power generation from waste heat. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 023002.	1.5	19
128	The influence of non-magnetocaloric properties on the performance in parallel-plate AMRs. <i>International Journal of Refrigeration</i> , 2014, 37, 127-134.	3.4	19
129	A thermoelectric power generating heat exchanger: Part II – Numerical modeling and optimization. <i>Energy Conversion and Management</i> , 2016, 119, 481-487.	9.2	19
130	Tuning the stoichiometry and electrical properties of tantalum oxide thin films. <i>Applied Surface Science</i> , 2019, 470, 1071-1074.	6.1	19
131	Patterning of high mobility electron gases at complex oxide interfaces. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	18
132	Suppressed carrier density for the patterned high mobility two-dimensional electron gas at $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ heterointerfaces. <i>Applied Physics Letters</i> , 2017, 111, 021602.	3.3	18
133	Effects of accelerated degradation on metal supported thin film-based solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7887-7896.	10.3	18
134	Band-Order Anomaly at the $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ Interface Drives the Electron-Mobility Boost. <i>ACS Nano</i> , 2021, 15, 4347-4356.	14.6	18
135	Improved High-Temperature Thermoelectric Properties of Dual-Doped $\text{Ca}_3\text{Co}_4\text{O}_9$. <i>ACS Omega</i> , 2022, 7, 6579-6590.	3.5	18
136	Electrical and structural properties of $\text{La}_{0.8}\text{Sr}_{0.2}\text{Mn}_{0.5}\text{Co}_{0.5}\text{O}_3$ films produced by pulsed laser deposition. <i>Applied Surface Science</i> , 2005, 247, 466-470.	6.1	17
137	Improving Magnet Designs With High and Low Field Regions. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 1687-1692.	2.1	17
138	In Operando Study of High-Performance Thermoelectric Materials for Power Generation: A Case Study of Zn_4Sb_3 . <i>Advanced Electronic Materials</i> , 2017, 3, 1700223.	5.1	17
139	Gate-tunable Rashba spin-orbit coupling and spin polarization at diluted oxide interfaces. <i>Physical Review B</i> , 2019, 100, .	3.2	17
140	Electro-chemo-mechanical effect in Gd-doped ceria thin films with a controlled orientation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14023-14030.	10.3	17
141	2022 roadmap on 3D printing for energy. <i>JPhys Energy</i> , 2022, 4, 011501.	5.3	17
142	Electrical characterization of gadolinia-doped ceria films grown by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 601-607.	2.3	16
143	Modeling of parallel-plate regenerators with non-uniform plate distributions. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 5065-5072.	4.8	16
144	Effects of Synthesis and Spark Plasma Sintering Conditions on the Thermoelectric Properties of $\text{Ca}_3\text{Co}_4\text{O}_9$. <i>Journal of Electronic Materials</i> , 2013, 42, 2134-2142.	2.2	16

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145	Extreme Reconfigurable Nanoelectronics at the CaZrO ₃ /SrTiO ₃ Interface. <i>Advanced Materials</i> , 2018, 30, 1801794.	21.0	16
146	The Determination of Dynamic and Equilibrium Solid/Liquid Transformation Data For Sn-Pb Using DSC. <i>Magyar Árvad Kémlemlenyek</i> , 2001, 64, 887-894.	1.4	15
147	Giant magnetoresistance in melt spun. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 131-136.	2.3	15
148	Degradation of the interfacial conductivity in LaAlO ₃ /SrTiO ₃ heterostructures during storage at controlled environments. <i>Solid State Ionics</i> , 2013, 230, 12-15.	2.7	15
149	Infrared ellipsometry study of the confined electrons in a high-mobility $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ heterostructure. <i>Europhysics Letters</i> , 2016, 113, 47005.	2.0	15
150	2D hole gas seen. <i>Nature Materials</i> , 2018, 17, 215-216.	27.5	15
151	Tuning the Two-Dimensional Electron Gas at Oxide Interfaces with Ti-O Configurations: Evidence from X-ray Photoelectron Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1434-1439.	8.0	15
152	Enhanced conductivity in pulsed laser deposited Ce _{0.9} Gd _{0.1} O ₂ /SrTiO ₃ heterostructures. <i>Applied Physics Letters</i> , 2010, 97, 143110.	3.3	14
153	Mid-IR optical properties of silicon doped InP. <i>Optical Materials Express</i> , 2017, 7, 2260.	3.0	14
154	Electrolyte gate controlled metal-insulator transitions of the CaZrO ₃ /SrTiO ₃ heterointerface. <i>Applied Physics Letters</i> , 2019, 115, 061601.	3.3	14
155	Enhanced electro-mechanical coupling of TiN/Ce _{0.8} Gd _{0.2} O _{1.9} thin film electrostrictor. <i>APL Materials</i> , 2019, 7, .	5.1	14
156	Thermoelectric Properties of Dual Doped Bi ₂ Sr ₂ Co ₂ O _y -Based Ceramics. <i>Journal of Electronic Materials</i> , 2019, 48, 4618-4626.	2.2	14
157	Time-Reversal Symmetry Breaking Driven Topological Phase Transition in EuB_6 . <i>Physical Review X</i> , 2021, 11, .	8.9	14
158	Growth of thin films of TiN on MgO(100) monitored by high-pressure RHEED. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 705-710.	2.3	13
159	Microstructure and Thermoelectric Properties of Screen-Printed Thick Films of Misfit-Layered Cobalt Oxides with Ag Addition. <i>Journal of Electronic Materials</i> , 2012, 41, 1280-1285.	2.2	13
160	Finite Element Modeling of Camber Evolution During Sintering of Bilayer Structures. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2965-2972.	3.8	13
161	Optimization of the Mechanical and Electrical Performance of a Thermoelectric Module. <i>Journal of Electronic Materials</i> , 2015, 44, 4465-4472.	2.2	13
162	Functional Oxide Thin Films for Advanced Energy and Information Technology. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900990.	3.7	13

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163	The role of oxide interfaces in highly confined electronic and ionic conductors. <i>APL Materials</i> , 2019, 7, 013101.	5.1	13
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