

# Myriam Aguirre

## List of Publications by Year in descending order

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130  
papers

4,025  
citations

109321

35  
h-index

133252

59  
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137  
all docs

137  
docs citations

137  
times ranked

5183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic and electrical properties of single-phase multiferroic $(1-x)\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3 \cdot x\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ thin films prepared by sol-gel route. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2282-2289.	5.7	3
2	Optimization of the multi-mem response of topotactic redox $\text{La}_{1/2}\text{Sr}_{1/2}\text{Mn}_{1/2}\text{Co}_{1/2}\text{O}_3 \cdot x$ . <i>APL Materials</i> , 2022, 10, 011111.	5.1	4
3	Characterization of W-type hexaferrite thin films prepared by chemical solution deposition. <i>Thin Solid Films</i> , 2021, 726, 138670.	1.8	5
4	A Comprehensive Study of $\text{Al}_{0.6}\text{Ti}_{0.4}\text{N}$ Coatings Deposited by Cathodic Arc and HiPIMS PVD Methods in Relation to Their Cutting Performance during the Machining of an Inconel 718 Alloy. <i>Coatings</i> , 2021, 11, 723.	2.6	5
5	Polyethylene three-dimensional nano-networks: How lateral chains affect metamaterial formation. <i>Polymer</i> , 2021, 212, 123145.	3.8	7
6	Adjusting the Néel relaxation time of $\text{Fe}_3\text{O}_4/\text{Zn}_x\text{Co}_{1-x}\text{O}_4$ core/shell nanoparticles for optimal heat generation in magnetic hyperthermia. <i>Nanotechnology</i> , 2021, 32, 065703.	2.6	13
7	Selective activation of memristive interfaces in $\text{TaO}_x$ -based devices by controlling oxygen vacancies dynamics at the nanoscale. <i>Nanotechnology</i> , 2020, 31, 155204.	2.6	9
8	Unravelling nanoporous anodic iron oxide formation. <i>Electrochimica Acta</i> , 2020, 330, 135241.	5.2	13
9	Nanoscale structural characterization of manganite thin films integrated to silicon correlated with their magnetic and electric properties. <i>Thin Solid Films</i> , 2020, 709, 138189.	1.8	2
10	Strain-induced magnetic transition in $\text{CaMnO}_3$ ultrathin films. <i>Physical Review B</i> , 2020, 102, .	3.2	5
11	Synthesis of a zinc-imidazole metal-organic framework (ZIF-8) using ZnO rods grown on cotton fabrics as precursors: arsenate absorption studies. <i>Cellulose</i> , 2020, 27, 6399-6410.	4.9	25
12	Redox engineering of strontium titanate-based thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7317-7330.	10.3	18
13	Large memcapacitance and memristance at $\text{Nb:SrTiO}_3/\text{La}_{0.5}\text{Sr}_{0.5}\text{Mn}_{0.5}\text{Co}_{0.5}\text{O}_3$ topotactic redox interface. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	6
14	Tailoring thermoelectric properties of $\text{Zr}_{0.43}\text{Hf}_{0.57}\text{NiSn}$ half-Heusler compound by defect engineering. <i>Rare Metals</i> , 2020, 39, 659-670.	7.1	17
15	Structural quality in single crystalline CdSe ingots grown by PVT. <i>Revista Materia</i> , 2020, 25, .	0.2	0
16	Exploring Tantalum as a Potential Dopant to Promote the Thermoelectric Performance of Zinc Oxide. <i>Materials</i> , 2019, 12, 2057.	2.9	9
17	Interfacial ferromagnetism and atomic structures in high-temperature grown $\text{Fe}_3\text{O}_4/\text{Pt}/\text{Fe}_3\text{O}_4$ epitaxial trilayers. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	12
18	Pulsed current-voltage electrodeposition of stoichiometric $\text{Bi}_2\text{Te}_3$ nanowires and their crystallographic characterization by transmission electron backscatter diffraction. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 1022-1030.	6.1	7

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19	Interface-induced anomalous Nernst effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based heterostructures. Applied Physics Letters, 2019, 114, .	3.3	32
20	Nanoscale magnetic and charge anisotropies at manganite interfaces. RSC Advances, 2019, 9, 38604-38611.	3.6	2
21	Tuning the interfacial charge, orbital, and spin polarization properties in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /La <sup>1-x</sup> Sr <sup>x</sup> MnO <sub>3</sub> bilayers. Applied Physics Letters, 2018, 112, 032401.	3.3	2
22	Evidence of the spin Seebeck effect in Ni-Zn ferrites polycrystalline slabs. Solid State Communications, 2018, 270, 140-146.	1.9	20
23	Complex Behavior of Nano-Scale Tribo-Ceramic Films in Adaptive PVD Coatings under Extreme Tribological Conditions. Entropy, 2018, 20, 989.	2.2	13
24	Propiedades físicas y cristalinas del Cd <sub>1-x</sub> Zn <sub>x</sub> Te (0 ≤ x ≤ 1). Revista Materia, 2018, 23, .	0.2	0
25	Improvement of Wear Performance of Nano-Multilayer PVD Coatings under Dry Hard End Milling Conditions Based on Their Architectural Development. Coatings, 2018, 8, 59.	2.6	19
26	Temperature dependence of the spin Seebeck effect in [Fe <sub>3</sub> O <sub>4</sub> /Pt] <sub>n</sub> multilayers. AIP Advances, 2017, 7, .	1.3	19
27	Designing strontium titanate-based thermoelectrics: insight into defect chemistry mechanisms. Journal of Materials Chemistry A, 2017, 5, 3909-3922.	10.3	81
28	Surface/interface phenomena in nano-multilayer coating under severing tribological conditions. Surface and Interface Analysis, 2017, 49, 584-593.	1.8	13
29	Thermoelectric Skutterudite/oxide nanocomposites: Effective decoupling of electrical and thermal conductivity by functional interfaces. Nano Energy, 2017, 31, 393-402.	16.0	34
30	Chemical Disorder in Topological Insulators: A Route to Magnetism Tolerant Topological Surface States. Nano Letters, 2017, 17, 4047-4054.	9.1	7
31	Spin Seebeck effect in insulating epitaxial $\text{Fe}_3\text{O}_4$ thin films. APL Materials, 2017, 5, .	5.1	23
32	Spin Seebeck effect in Y-type hexagonal ferrite thin films. Physical Review B, 2017, 96, .	3.2	12
33	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	1.3	65
34	Co-sputtered PtMnSb thin films and PtMnSb/Pt bilayers for spin-orbit torque investigations. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600439.	2.4	3
35	Enhancement of the spin Peltier effect in multilayers. Physical Review B, 2017, 95, .	3.2	36
36	Spin Seebeck effect in a weak ferromagnet. Applied Physics Letters, 2016, 108, .	3.3	16

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37	Thermoelectric performance of spin Seebeck effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based thin film heterostructures. APL Materials, 2016, 4, 104802.	5.1	42
38	Characteristic length scale of the magnon accumulation in Fe <sub>3</sub> O <sub>4</sub> /Pt bilayer structures by incoherent thermal excitation. Applied Physics Letters, 2016, 109, .	3.3	20
39	Half-Heusler superlattices as model systems for nanostructured thermoelectrics. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 732-738.	1.8	6
40	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. Physical Review B, 2015, 92, .	3.2	73
41	Electronic Degeneracy and Intrinsic Magnetic Properties of Epitaxial Nb Films Controlled by Defects. Physical Review Letters, 2015, 115, 166801.	7.8	24
42	Spatio-temporal behaviour of atomic-scale tribo-ceramic films in adaptive surface engineered nano-materials. Scientific Reports, 2015, 5, 8780.	3.3	20
43	Structural characterization and EXAFS wavelet analysis of Yb doped ZnO by wet chemistry route. Journal of Alloys and Compounds, 2015, 622, 115-120.	5.5	9
44	Anomalous Nernst effect of Fe <sub>3</sub> O <sub>4</sub> single crystal. Physical Review B, 2014, 90, .	3.2	100
45	Influence of the substrate on the anomalous Nernst effect of magnetite thin films. Materials Research Society Symposia Proceedings, 2014, 1674, 19.	0.1	0
46	Thermal conductivity of half-Heusler superlattices. Semiconductor Science and Technology, 2014, 29, 124003.	2.0	11
47	Evolution of self-organization in nano-structured PVD coatings under extreme tribological conditions. Applied Surface Science, 2014, 297, 22-32.	6.1	35
48	Synthesis, Crystal Structure, Electric and Magnetic Properties of LaVO <sub>2.78</sub> N <sub>0.10</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 797-804.	1.2	6
49	Synchrotron high energy X-ray methods coupled to phase sensitive analysis to characterize aging of solid catalysts with enhanced sensitivity. Physical Chemistry Chemical Physics, 2013, 15, 8629.	2.8	36
50	Observation of the spin Seebeck effect in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films. Applied Physics Letters, 2013, 102, .	3.3	163
51	Crystal growth and thermoelectric properties of CaMn <sub>0.98</sub> Nb <sub>0.02</sub> O <sub>3</sub> . Journal of Crystal Growth, 2013, 377, 170-177.	1.5	6
52	The impact of aging environment on the evolution of Al <sub>2</sub> O <sub>3</sub> supported Pt nanoparticles and their NO oxidation activity. Applied Catalysis B: Environmental, 2013, 129, 214-224.	20.2	45
53	Surface deformations as a necessary requirement for resistance switching at the surface of SrTiO <sub>3</sub> :N. Nanotechnology, 2013, 24, 475701.	2.6	3
54	High-temperature thermoelectric properties of W-substituted CaMnO <sub>3</sub> . Materials Research Society Symposia Proceedings, 2013, 1490, 3-8.	0.1	2

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55	A morphology study on thermoelectric Al-substituted ZnO. AIP Conference Proceedings, 2012, , .	0.4	3
56	Thermoelectric properties of $\text{CaMnO}_3$ films obtained by soft chemistry synthesis. Journal of Materials Research, 2012, 27, 985-990.	2.6	13
57	Thermoelectric properties of nanostructured Al-substituted ZnO thin films. Thin Solid Films, 2012, 520, 6869-6875.	1.8	45
58	Mechanism of adaptability for the nano-structured TiAlCrSiYN-based hard physical vapor deposition coatings under extreme frictional conditions. Journal of Applied Physics, 2012, 111, .	2.5	31
59	Hierarchical adaptive nanostructured PVD coatings for extreme tribological applications: the quest for nonequilibrium states and emergent behavior. Science and Technology of Advanced Materials, 2012, 13, 043001.	6.1	57
60	Why can TiAlCrSiYN-based adaptive coatings deliver exceptional performance under extreme frictional conditions?. Faraday Discussions, 2012, 156, 267.	3.2	22
61	Influence of Thermal Aging Phenomena on Thermoelectric Properties of Al-Substituted ZnO. Journal of Electronic Materials, 2012, 41, 1606-1614.	2.2	22
62	Thermal and chemical aging of model three-way catalyst Pd/Al <sub>2</sub> O <sub>3</sub> and its impact on the conversion of CNG vehicle exhaust. Catalysis Today, 2012, 184, 237-244.	4.4	75
63	Investigation of diesel ash particulate matter: A scanning electron microscope and transmission electron microscope study. Atmospheric Environment, 2012, 49, 391-402.	4.1	91
64	High figure of merit in (Ti,Zr,Hf)NiSn half-Heusler alloys. Scripta Materialia, 2012, 66, 1073-1076.	5.2	130
65	Metastability of heavy lanthanides in the ZnO wurtzite structure. Journal of Alloys and Compounds, 2011, 509, S364-S366.	5.5	3
66	Properties of Flame Sprayed $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$ Electrolyte Thin Films. Advanced Functional Materials, 2011, 21, 532-539.	14.9	25
67	Free-Ligand-Cluster Quantized Charging in an Ionic Liquid. Angewandte Chemie - International Edition, 2011, 50, 9735-9738.	13.8	30
68	Magnetic influence on thermoelectric properties of $\text{CrO}_{0.1}\text{Ni}_{0.9}$ . Acta Materialia, 2011, 59, 1134-1140.	7.9	13
69	Transport and magnetic properties of $\text{PrCo}_{1-x}\text{Ni}_x\text{O}_3$ ( $x=0.0\text{--}0.7$ ). Journal Physics D: Applied Physics, 2011, 44, 305402.	2.8	13
70	Nanostructured Nb-substituted $\text{CaMnO}_3$ n-type thermoelectric material prepared in a continuous process by ultrasonic spray combustion. Journal of Materials Research, 2011, 26, 1947-1952.	2.6	18
71	Thermoelectric Oxide Modules (TOMs) for the Direct Conversion of Simulated Solar Radiation into Electrical Energy. Materials, 2010, 3, 2801-2814.	2.9	40
72	Multi-functional nano-multilayered AlTiN/Cu PVD coating for machining of Inconel 718 superalloy. Surface and Coatings Technology, 2010, 204, 2465-2471.	4.8	53

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73	Emergent behavior of nano-multilayered coatings during dry high-speed machining of hardened tool steels. <i>Surface and Coatings Technology</i> , 2010, 204, 3425-3435.	4.8	60
74	Structure, properties and wear performance of nano-multilayered TiAlCrSiYN/TiAlCrN coatings during machining of Ni-based aerospace superalloys. <i>Surface and Coatings Technology</i> , 2010, 204, 3698-3706.	4.8	57
75	Synthesis and Characterization of New Ceramic Thermoelectrics Implemented in a Thermoelectric Oxide Module. <i>Journal of Electronic Materials</i> , 2010, 39, 1696-1703.	2.2	29
76	Hydrogen production by photocatalytic steam reforming of methanol on noble metal-modified TiO <sub>2</sub> . <i>Journal of Catalysis</i> , 2010, 273, 182-190.	6.2	404
77	Crystal structure, morphology and physical properties of LaCo <sub>1-x</sub> Ti <sub>x</sub> O <sub>3±δ</sub> perovskites prepared by a citric acid assisted soft chemistry synthesis. <i>Acta Materialia</i> , 2010, 58, 680-691.	7.9	23
78	Formation and Distribution of Silver Nanoparticles in a Functional Plasma Polymer Matrix and Related Ag <sup>+</sup> Release Properties. <i>Plasma Processes and Polymers</i> , 2010, 7, 619-625.	3.0	74
79	The effects of switching time and SrTiO <sub>3-x</sub> Ny nanostructures on the operation of Al/SrTiO <sub>3-x</sub> Ny/Al memristors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 8, 012035.	0.6	6
80	One-Step Dry Method for the Synthesis of Supported Single-Crystalline Organic Nanowires Formed by $\pi$ -Conjugated Molecules. <i>Langmuir</i> , 2010, 26, 5763-5771.	3.5	36
81	Revisiting the Problem of Active Sites for Methane Combustion on Pd/Al <sub>2</sub> O <sub>3</sub> by Operando XANES in a Lab-Scale Fixed-Bed Reactor. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9439-9443.	3.1	78
82	TEM, chemical etching and FTIR characterization of ZnTe grown by physical vapor transport. <i>Crystal Research and Technology</i> , 2010, 45, 817-824.	1.3	11
83	Microwave Plasma Nitridation of SrTiO <sub>3</sub> : A Quantitative EELS, TEM, and STEM-HAADF Analysis of the SrTiO <sub>3-x</sub> N <sub>y</sub> Growth and the Structural Evolution. <i>Crystal Growth and Design</i> , 2010, 10, 3562-3567.	3.0	6
84	Development of Perovskite-type Cobaltates and Manganates for Thermoelectric Oxide Modules. <i>Journal of the Korean Ceramic Society</i> , 2010, 47, 47-53.	2.3	8
85	Resistance switching at the Al/SrTiO <sub>3-x</sub> Ny anode interface. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	14
86	Measurements of current-voltage-induced heating in the Al/SrTiO <sub>3-x</sub> Ny/Al memristor during electroformation and resistance switching. <i>Applied Physics Letters</i> , 2009, 95, 152109.	3.3	34
87	Synthesis and transport properties of SrTiO <sub>3-x</sub> N <sub>y</sub> /SrTiO <sub>3-δ</sub> layered structures produced by microwave-induced plasma nitridation. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 145202.	2.8	25
88	Deposition Uniformity and Particle Size Distribution of Ambient Aerosol Collected with a Rotating Drum Impactor. <i>Aerosol Science and Technology</i> , 2009, 43, 891-901.	3.1	16
89	Microstructure, surface composition and chemical stability of partly ordered LaTiO <sub>2</sub> N. <i>Solid State Sciences</i> , 2009, 11, 1513-1519.	3.2	42
90	Characterization and properties of microwave plasma-treated SrTiO <sub>3</sub> . <i>Materials Chemistry and Physics</i> , 2009, 115, 86-92.	4.0	19

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91	Influence of Group IV-Te Alloying on Nanocomposite Structure and Thermoelectric Properties of Bi <sub>2</sub> Te <sub>3</sub> Compounds. <i>Journal of Electronic Materials</i> , 2009, 38, 1450-1455.	2.2	18
92	Design and performance of AlTiN and TiAlCrN PVD coatings for machining of hard to cut materials. <i>Surface and Coatings Technology</i> , 2009, 204, 489-496.	4.8	159
93	Impact of Al and Cr alloying in TiN-based PVD coatings on cutting performance during machining of hard to cut materials. <i>Vacuum</i> , 2009, 84, 184-187.	3.5	35
94	The influence of chemical and thermal aging on the catalytic activity of a monolithic diesel oxidation catalyst. <i>Applied Catalysis B: Environmental</i> , 2009, 93, 177-184.	20.2	63
95	High-temperature thermoelectric properties of Sr <sub>2</sub> RuYO <sub>6</sub> and Sr <sub>2</sub> RuErO <sub>6</sub> double perovskites influenced by structure and microstructure. <i>Acta Materialia</i> , 2009, 57, 108-115.	7.9	42
96	High-temperature stability, structure and thermoelectric properties of $\text{CaMn}_{1-x}\text{Nb}_x\text{O}_3$ ( $x=0.08$ ) Perovskite-Type Phases As Promising New High-Temperature n-Type Thermoelectric Materials. <i>Inorganic Chemistry</i> , 2008, 47, 8077-8085.	7.9	65
97	Characterization of single crystalline ZnTe and ZnSe grown by vapor phase transport. <i>Journal of Physics: Conference Series</i> , 2009, 167, 012058.	0.4	1
98	Phase formation, structural and microstructural characterization of novel oxynitride perovskites synthesized by thermal ammonolysis of (Ca,Ba)MoO <sub>4</sub> and (Ca,Ba)MoO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , 2008, 181, 2243-2249.	2.9	16
99	Effect of temperature of annealing below 900°C on structure, properties and tool life of an AlTiN coating under various cutting conditions. <i>Surface and Coatings Technology</i> , 2008, 202, 2985-2992.	4.8	41
100	Thermoelektrische Oxide und Oxidnitride. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2087-2087.	1.2	0
101	Development of thermoelectric oxides for renewable energy conversion technologies. <i>Renewable Energy</i> , 2008, 33, 342-347.	8.9	96
102	Catalytic activity and aging phenomena of three-way catalysts in a compressed natural gas/gasoline powered passenger car. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 162-169.	20.2	60
103	Thermoelectric and magnetic properties of perovskite-type manganate phases synthesised by ultrasonic spray combustion (USC). <i>Solid State Sciences</i> , 2008, 10, 496-501.	3.2	22
104	Thermoelectric properties of La <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> polycrystalline samples and epitaxial thin films. <i>Solid State Sciences</i> , 2008, 10, 502-507.	3.2	15
105	CaMn <sub>1-x</sub> Nb <sub>x</sub> O <sub>3</sub> ( $x=0.08$ ) Perovskite-Type Phases As Promising New High-Temperature n-Type Thermoelectric Materials. <i>Inorganic Chemistry</i> , 2008, 47, 8077-8085.	4.0	203
106	Synthesis of Supported Single-Crystalline Organic Nanowires by Physical Vapor Deposition. <i>Chemistry of Materials</i> , 2008, 20, 7371-7373.	6.7	40
107	Structure, microstructure, and high-temperature transport properties of La <sub>1-x</sub> CaxMnO <sub>3</sub> thin films and polycrystalline bulk materials. <i>Journal of Applied Physics</i> , 2008, 103, 013703.	2.5	9
108	Thermoelectric Oxides and Oxynitrides with Perovskite-type Structure. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1044, 1.	0.1	0

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109	Synthesis, Crystal Structure, and Microstructure Analysis of Perovskite-Type Compounds $\text{LnCo}_{0.95}\text{Ni}_{0.05}\text{O}_3$ (Ln = La, Pr, Nd, Sm, Gd, and Dy). <i>Inorganic Chemistry</i> , 2007, 46, 2744-2750.	4.0	14
110	Chimie douce synthesis and thermochemical characterization of mesoporous perovskite-type titanate phases. <i>Thermochimica Acta</i> , 2007, 457, 11-19.	2.7	25
111	Determination of the local environment of silicon and the microstructure of quaternary $\text{CrAl}(\text{Si})\text{N}$ films. <i>Acta Materialia</i> , 2007, 55, 2129-2135.	7.9	89
112	High-temperature thermoelectric properties of $\text{Ln}(\text{Co}, \text{Ni})\text{O}_3$ (Ln=La, Pr, Nd, Sm, Gd and Dy) compounds. <i>Acta Materialia</i> , 2007, 55, 4965-4972.	7.9	46
113	Nanostructured thermoelectric oxides with low thermal conductivity. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 247-249.	2.4	17
114	Structure and Composition of Nanoscopic Domains in Functional Perovskite-Type Materials. <i>Chimia</i> , 2006, 60, 742-748.	0.6	7
115	A novel ferrimagnetic irido-cuprate: $\text{IrSr}_2\text{GdCu}_2\text{O}_8$ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 1296-1302.	2.9	21
116	Study of the Effects of Si Addition on the Properties of Hard Nanocomposite Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2006, 976, 1.	0.1	0
117	New Materials Derived from YBCO: $\text{CrSr}_2\text{LnCu}_2\text{O}_8$ (Ln: La, Pr, Nd, Eu, Gd, Tb, Dy, Y, Ho, Er, Lu).. <i>ChemInform</i> , 2005, 36, no.	0.0	0
118	Giant barrier layer capacitance effects in the lithium ion conducting material $\text{La}_{0.67}\text{Li}_{0.25}\text{Ti}_{0.75}\text{Al}_{0.25}\text{O}_3$ . <i>Applied Physics Letters</i> , 2005, 86, 043110.	3.3	28
119	New Materials Derived from Ybco: $\text{CrSr}_2\text{RECu}_2\text{O}_8$ (RE = La, Pr, Nd, Eu, Gd, Tb, Dy, Y, Ho, Er, Lu). <i>Inorganic Chemistry</i> , 2005, 44, 3063-3069.	4.0	22
120	Observation of CuPt and CuAu I-type ordered structure in HgCdTe grown by isothermal vapour phase epitaxy. <i>Journal of Crystal Growth</i> , 2003, 254, 353-359.	1.5	0
121	Crystal structure and microdomain texture in $\text{RuSr}_2\text{HoCu}_2\text{O}_8$ . <i>Journal of Materials Chemistry</i> , 2003, 13, 1156-1160.	6.7	14
122	Transmission electron microscopy of the induced damage by argon implantation in (111) HgCdTe at room temperature. <i>Journal of Applied Physics</i> , 2002, 92, 5745-5748.	2.5	6
123	A Cr(IV) based 1212-type cuprate. <i>Materials Research Society Symposia Proceedings</i> , 2002, 755, 1.	0.1	0
124	Substitutions at the gadolinium and the strontium sites in the $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ magnetic superconductor. <i>Current Applied Physics</i> , 2002, 2, 461-463.	2.4	2
125	Ar-implanted epitaxially grown HgCdTe: evaluation of structural damage by RBS and TEM. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2001, 175-177, 274-279.	1.4	5
126	In situ reduction of (100) $\text{SrTiO}_3$ . <i>Solid State Sciences</i> , 2000, 2, 519-524.	3.2	44



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127	Defects in Implanted $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$ : Electrical and Structural Characterization. Defect and Diffusion Forum, 1998, 162-163, 21-26.	0.4	0
128	Radiation Defects Studies on Ar-Implanted $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$ . Defect and Diffusion Forum, 1997, 152, 33-0.	0.4	0
129	Zr diffusion in $\text{In}_x\text{Ti}$ matrices with different Fe content. Application of models developed to $\text{In}_x\text{Zr}$ self-diffusion. Journal of Nuclear Materials, 1996, 229, 15-23.	2.7	13
130	Observation of Anomalously Large Magnetoelectric Coupling in the Hexagonal $\text{Zn}$ -Type Ferrite Films. Advanced Electronic Materials, 0, , 2101294.	5.1	2