

# Myriam Aguirre

## List of Publications by Year in descending order

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130  
papers

4,025  
citations

109321

35  
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133252

59  
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137  
all docs

137  
docs citations

137  
times ranked

5183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production by photocatalytic steam reforming of methanol on noble metal-modified TiO <sub>2</sub> . Journal of Catalysis, 2010, 273, 182-190.	6.2	404
2	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. Inorganic Chemistry, 2008, 47, 8077-8085.	4.0	203
3	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
4	Design and performance of AlTiN and TiAlCrN PVD coatings for machining of hard to cut materials. Surface and Coatings Technology, 2009, 204, 489-496.	4.8	159
5	High figure of merit in (Ti,Zr,Hf)NiSn half-Heusler alloys. Scripta Materialia, 2012, 66, 1073-1076.	5.2	130
6	Anomalous Nernst effect of Fe <sub>3</sub> O <sub>4</sub> single crystal. Physical Review B, 2014, 90, .	3.2	100
7	Development of thermoelectric oxides for renewable energy conversion technologies. Renewable Energy, 2008, 33, 342-347.	8.9	96
8	Investigation of diesel ash particulate matter: A scanning electron microscope and transmission electron microscope study. Atmospheric Environment, 2012, 49, 391-402.	4.1	91
9	Determination of the local environment of silicon and the microstructure of quaternary CrAl(Si)N films. Acta Materialia, 2007, 55, 2129-2135.	7.9	89
10	Designing strontium titanate-based thermoelectrics: insight into defect chemistry mechanisms. Journal of Materials Chemistry A, 2017, 5, 3909-3922.	10.3	81
11	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. Journal of Physical Chemistry C, 2010, 114, 9439-9443.	3.1	78
12	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
13	Formation and Distribution of Silver Nanoparticles in a Functional Plasma Polymer Matrix and Related Ag <sup>+</sup> Release Properties. Plasma Processes and Polymers, 2010, 7, 619-625.	3.0	74
14	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. Physical Review B, 2015, 92, .	3.2	73
15	High-temperature stability, structure and thermoelectric properties of CaMn <sub>1-x</sub> Nb <sub>x</sub> O <sub>3</sub> . Acta Materialia, 2009, 57, 5667-5680.	7.9	65
16	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	1.3	65
17	The influence of chemical and thermal aging on the catalytic activity of a monolithic diesel oxidation catalyst. Applied Catalysis B: Environmental, 2009, 93, 177-184.	20.2	63
18	Catalytic activity and aging phenomena of three-way catalysts in a compressed natural gas/gasoline powered passenger car. Applied Catalysis B: Environmental, 2008, 84, 162-169.	20.2	60

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19	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
20	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
21	Hierarchical adaptive nanostructured PVD coatings for extreme tribological applications: the quest for nonequilibrium states and emergent behavior. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 043001.	6.1	57
22	Multi-functional nano-multilayered AlTiN/Cu PVD coating for machining of Inconel 718 superalloy. <i>Surface and Coatings Technology</i> , 2010, 204, 2465-2471.	4.8	53
23	High-temperature thermoelectric properties of Ln(Co, Ni)O <sub>3</sub> (Ln=La, Pr, Nd, Sm, Gd and Dy) compounds. <i>Acta Materialia</i> , 2007, 55, 4965-4972.	7.9	46
24	Thermoelectric properties of nanostructured Al-substituted ZnO thin films. <i>Thin Solid Films</i> , 2012, 520, 6869-6875.	1.8	45
25	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. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 214-224.	20.2	45
26	In situ reduction of (100) SrTiO <sub>3</sub> . <i>Solid State Sciences</i> , 2000, 2, 519-524.	3.2	44
27	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
28	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
29	Thermoelectric performance of spin Seebeck effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based thin film heterostructures. <i>APL Materials</i> , 2016, 4, 104802.	5.1	42
30	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
31	Synthesis of Supported Single-Crystalline Organic Nanowires by Physical Vapor Deposition. <i>Chemistry of Materials</i> , 2008, 20, 7371-7373.	6.7	40
32	Thermoelectric Oxide Modules (TOMs) for the Direct Conversion of Simulated Solar Radiation into Electrical Energy. <i>Materials</i> , 2010, 3, 2801-2814.	2.9	40
33	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
34	Synchrotron high energy X-ray methods coupled to phase sensitive analysis to characterize aging of solid catalysts with enhanced sensitivity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8629.	2.8	36
35	Enhancement of the spin Peltier effect in multilayers. <i>Physical Review B</i> , 2017, 95, .	3.2	36
36	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

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37	Evolution of self-organization in nano-structured PVD coatings under extreme tribological conditions. Applied Surface Science, 2014, 297, 22-32.	6.1	35
38	Measurements of current-voltage-induced heating in the Al/SrTiO <sub>3</sub> <sup>x</sup> Ny/Al memristor during electroformation and resistance switching. Applied Physics Letters, 2009, 95, 152109.	3.3	34
39	Thermoelectric Skutterudite/oxide nanocomposites: Effective decoupling of electrical and thermal conductivity by functional interfaces. Nano Energy, 2017, 31, 393-402.	16.0	34
40	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
41	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
42	Free-Cluster Quantized Charging in an Ionic Liquid. Angewandte Chemie - International Edition, 2011, 50, 9735-9738.	13.8	30
43	Synthesis and Characterization of New Ceramic Thermoelectrics Implemented in a Thermoelectric Oxide Module. Journal of Electronic Materials, 2010, 39, 1696-1703.	2.2	29
44	Giant barrier layer capacitance effects in the lithium ion conducting material La <sub>0.67</sub> Li <sub>0.25</sub> Ti <sub>0.75</sub> Al <sub>0.25</sub> O <sub>3</sub> . Applied Physics Letters, 2005, 86, 043110.	3.3	28
45	Chimie douce synthesis and thermochemical characterization of mesoporous perovskite-type titanate phases. Thermochimica Acta, 2007, 457, 11-19.	2.7	25
46	Synthesis and transport properties of SrTiO <sub>3</sub> <sup>x</sup> N <sub>y</sub> /SrTiO <sub>3</sub> <sup>z</sup> layered structures produced by microwave-induced plasma nitridation. Journal Physics D: Applied Physics, 2009, 42, 145202.	2.8	25
47	Properties of Flame Sprayed Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>1.9</sub> Electrolyte Thin Films. Advanced Functional Materials, 2011, 21, 532-539.	14.9	25
48	Synthesis of a zinc-imidazole metal-organic framework (ZIF-8) using ZnO rods grown on cotton fabrics as precursors: arsenate absorption studies. Cellulose, 2020, 27, 6399-6410.	4.9	25
49	Electronic Degeneracy and Intrinsic Magnetic Properties of Epitaxial Nb <sub>2</sub> O <sub>5</sub> Films Controlled by Defects. Physical Review Letters, 2015, 115, 166801.	7.8	24
50	Crystal structure, morphology and physical properties of LaCo <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> ± $\delta$ perovskites prepared by a citric acid assisted soft chemistry synthesis. Acta Materialia, 2010, 58, 680-691.	7.9	23
51	Spin Seebeck effect in insulating epitaxial $\text{Fe}_3\text{O}_4$ thin films. APL Materials, 2017, 5, .	5.1	23
52	New Materials Derived from Ybco:CrSr <sub>2</sub> RECu <sub>2</sub> O <sub>8</sub> (RE = La, Pr, Nd, Eu, Gd, Tb, Dy, Y, Ho, Er, Lu). Inorganic Chemistry, 2005, 44, 3063-3069.	4.0	22
53	Thermoelectric and magnetic properties of perovskite-type manganate phases synthesised by ultrasonic spray combustion (USC). Solid State Sciences, 2008, 10, 496-501.	3.2	22
54	Why can TiAlCrSiYN-based adaptive coatings deliver exceptional performance under extreme frictional conditions?. Faraday Discussions, 2012, 156, 267.	3.2	22

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55	Influence of Thermal Aging Phenomena on Thermoelectric Properties of Al-Substituted ZnO. Journal of Electronic Materials, 2012, 41, 1606-1614.	2.2	22
56	A novel ferrimagnetic irido-cuprate: IrSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> . Journal of Solid State Chemistry, 2006, 179, 1296-1302.	2.9	21
57	Spatio-temporal behaviour of atomic-scale tribo-ceramic films in adaptive surface engineered nano-materials. Scientific Reports, 2015, 5, 8780.	3.3	20
58	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
59	Evidence of the spin Seebeck effect in Ni-Zn ferrites polycrystalline slabs. Solid State Communications, 2018, 270, 140-146.	1.9	20
60	Characterization and properties of microwave plasma-treated SrTiO <sub>3</sub> . Materials Chemistry and Physics, 2009, 115, 86-92.	4.0	19
61	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
62	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
63	Influence of Group IV-Te Alloying on Nanocomposite Structure and Thermoelectric Properties of Bi <sub>2</sub> Te <sub>3</sub> Compounds. Journal of Electronic Materials, 2009, 38, 1450-1455.	2.2	18
64	Nanostructured Nb-substituted CaMnO <sub>3</sub> n-type thermoelectric material prepared in a continuous process by ultrasonic spray combustion. Journal of Materials Research, 2011, 26, 1947-1952.	2.6	18
65	Redox engineering of strontium titanate-based thermoelectrics. Journal of Materials Chemistry A, 2020, 8, 7317-7330.	10.3	18
66	Nanostructured thermoelectric oxides with low thermal conductivity. Physica Status Solidi - Rapid Research Letters, 2007, 1, 247-249.	2.4	17
67	Tailoring thermoelectric properties of Zr <sub>0.43</sub> Hf <sub>0.57</sub> NiSn half-Heusler compound by defect engineering. Rare Metals, 2020, 39, 659-670.	7.1	17
68	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> . Journal of Solid State Chemistry, 2008, 181, 2243-2249.	2.9	16
69	Deposition Uniformity and Particle Size Distribution of Ambient Aerosol Collected with a Rotating Drum Impactor. Aerosol Science and Technology, 2009, 43, 891-901.	3.1	16
70	Spin Seebeck effect in a weak ferromagnet. Applied Physics Letters, 2016, 108, .	3.3	16
71	Thermoelectric properties of LaCo <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> polycrystalline samples and epitaxial thin films. Solid State Sciences, 2008, 10, 502-507.	3.2	15
72	Crystal structure and microdomain texture in RuSr <sub>2</sub> HoCu <sub>2</sub> O <sub>8</sub> . Journal of Materials Chemistry, 2003, 13, 1156-1160.	6.7	14

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73	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
74	Resistance switching at the Al/SrTiO <sub>3</sub> $\hat{x}$ Ny anode interface. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	14
75	Zr diffusion in $\hat{x}$ -Ti matrices with different Fe content. Application of models developed to $\hat{x}$ -Zr self-diffusion. <i>Journal of Nuclear Materials</i> , 1996, 229, 15-23.	2.7	13
76	Magnetic influence on thermoelectric properties of CrO <sub>0.1</sub> N <sub>0.9</sub> . <i>Acta Materialia</i> , 2011, 59, 1134-1140.	7.9	13
77	Transport and magnetic properties of PrCo <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> (x= 0.0-0.7). <i>Journal Physics D: Applied Physics</i> , 2011, 44, 305402.	2.8	13
78	Thermoelectric properties of CaMnO <sub>3</sub> films obtained by soft chemistry synthesis. <i>Journal of Materials Research</i> , 2012, 27, 985-990.	2.6	13
79	Surface/interface phenomena in nano-multilayer coating under severing tribological conditions. <i>Surface and Interface Analysis</i> , 2017, 49, 584-593.	1.8	13
80	Complex Behavior of Nano-Scale Tribo-Ceramic Films in Adaptive PVD Coatings under Extreme Tribological Conditions. <i>Entropy</i> , 2018, 20, 989.	2.2	13
81	Unravelling nanoporous anodic iron oxide formation. <i>Electrochimica Acta</i> , 2020, 330, 135241.	5.2	13
82	Adjusting the Néel relaxation time of Fe <sub>3</sub> O <sub>4</sub> /Zn <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> core/shell nanoparticles for optimal heat generation in magnetic hyperthermia. <i>Nanotechnology</i> , 2021, 32, 065703.	2.6	13
83	Spin Seebeck effect in Y-type hexagonal ferrite thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	12
84	Interfacial ferromagnetism and atomic structures in high-temperature grown Fe <sub>3</sub> O <sub>4</sub> /Pt/Fe <sub>3</sub> O <sub>4</sub> epitaxial trilayers. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	12
85	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
86	Thermal conductivity of half-Heusler superlattices. <i>Semiconductor Science and Technology</i> , 2014, 29, 124003.	2.0	11
87	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
88	Structural characterization and EXAFS wavelet analysis of Yb doped ZnO by wet chemistry route. <i>Journal of Alloys and Compounds</i> , 2015, 622, 115-120.	5.5	9
89	Exploring Tantalum as a Potential Dopant to Promote the Thermoelectric Performance of Zinc Oxide. <i>Materials</i> , 2019, 12, 2057.	2.9	9
90	Selective activation of memristive interfaces in TaO <sub>x</sub> -based devices by controlling oxygen vacancies dynamics at the nanoscale. <i>Nanotechnology</i> , 2020, 31, 155204.	2.6	9

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91	Development of Perovskite-type Cobaltates and Manganates for Thermoelectric Oxide Modules. Journal of the Korean Ceramic Society, 2010, 47, 47-53.	2.3	8
92	Structure and Composition of Nanoscopic Domains in Functional Perovskite-Type Materials. Chimia, 2006, 60, 742-748.	0.6	7
93	Chemical Disorder in Topological Insulators: A Route to Magnetism Tolerant Topological Surface States. Nano Letters, 2017, 17, 4047-4054.	9.1	7
94	Pulsed current-voltage electrodeposition of stoichiometric Bi <sub>2</sub> Te <sub>3</sub> nanowires and their crystallographic characterization by transmission electron backscatter diffraction. Science and Technology of Advanced Materials, 2019, 20, 1022-1030.	6.1	7
95	Polyethylene three-dimensional nano-networks: How lateral chains affect metamaterial formation. Polymer, 2021, 212, 123145.	3.8	7
96	Transmission electron microscopy of the induced damage by argon implantation in (111) HgCdTe at room temperature. Journal of Applied Physics, 2002, 92, 5745-5748.	2.5	6
97	The effects of switching time and SrTiO <sub>3</sub> <sup>x</sup> nanostructures on the operation of Al/SrTiO <sub>3</sub> <sup>x</sup> Ny/Al memristors. IOP Conference Series: Materials Science and Engineering, 2010, 8, 012035.	0.6	6
98	Microwave Plasma Nitridation of SrTiO <sub>3</sub> : A Quantitative EELS, TEM, and STEM-HAADF Analysis of the SrTiO <sub>3</sub> <sup>x</sup> N <sub>y</sub> Growth and the Structural Evolution. Crystal Growth and Design, 2010, 10, 3562-3567.	3.0	6
99	Crystal growth and thermoelectric properties of CaMn <sub>0.98</sub> Nb <sub>0.02</sub> O <sub>3</sub> <sup>δ</sup> . Journal of Crystal Growth, 2013, 377, 170-177.	1.5	6
100	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
101	Half-Heusler superlattices as model systems for nanostructured thermoelectrics. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 732-738.	1.8	6
102	Large memcapacitance and memristance at Nb:SrTiO <sub>3</sub> /La <sub>0.5</sub> Sr <sub>0.5</sub> Mn <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3</sub> <sup>δ</sup> topotactic redox interface. Applied Physics Letters, 2020, 116, .	3.3	6
103	Ar-implanted epitaxially grown HgCdTe: evaluation of structural damage by RBS and TEM. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 274-279.	1.4	5
104	Strain-induced magnetic transition in CaMnO <sub>3</sub> ultrathin films. Physical Review B, 2020, 102, .	3.2	5
105	Characterization of W-type hexaferrite thin films prepared by chemical solution deposition. Thin Solid Films, 2021, 726, 138670.	1.8	5
106	A Comprehensive Study of Al <sub>0.6</sub> Ti <sub>0.4</sub> N Coatings Deposited by Cathodic Arc and HiPIMS PVD Methods in Relation to Their Cutting Performance during the Machining of an Inconel 718 Alloy. Coatings, 2021, 11, 723.	2.6	5
107	Optimization of the multi-mem response of topotactic redox La <sub>1/2</sub> Sr <sub>1/2</sub> Mn <sub>1/2</sub> Co <sub>1/2</sub> O <sub>3</sub> <sup>x</sup> . APL Materials, 2022, 10, 011111.	5.1	4
108	Metastability of heavy lanthanides in the ZnO wurtzite structure. Journal of Alloys and Compounds, 2011, 509, S364-S366.	5.5	3

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109	A morphology study on thermoelectric Al-substituted ZnO. AIP Conference Proceedings, 2012, , .	0.4	3
110	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
111	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
112	Magnetic and electrical properties of single-phase multiferroic (1-x)Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> -xPb(Fe <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> thin films prepared by sol-gel route. Journal of the European Ceramic Society, 2022, 42, 2282-2289.	5.7	3
113	Substitutions at the gadolinium and the strontium sites in the RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> magnetic superconductor. Current Applied Physics, 2002, 2, 461-463.	2.4	2
114	High-temperature thermoelectric properties of W-substituted CaMnO <sub>3</sub> . Materials Research Society Symposia Proceedings, 2013, 1490, 3-8.	0.1	2
115	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 <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> bilayers. Applied Physics Letters, 2018, 112, 032401.	3.3	2
116	Nanoscale magnetic and charge anisotropies at manganite interfaces. RSC Advances, 2019, 9, 38604-38611.	3.6	2
117	Nanoscale structural characterization of manganite thin films integrated to silicon correlated with their magnetic and electric properties. Thin Solid Films, 2020, 709, 138189.	1.8	2
118	Observation of Anomalously Large Magnetoelectric Coupling in the Hexagonal Zr-type Ferrite Films. Advanced Electronic Materials, 0, , 2101294.	5.1	2
119	Characterization of single crystalline ZnTe and ZnSe grown by vapor phase transport. Journal of Physics: Conference Series, 2009, 167, 012058.	0.4	1
120	Radiation Defects Studies on Ar-Implanted Hg <sub>1-x</sub> Cd <sub>x</sub> Te. Defect and Diffusion Forum, 1997, 152, 33-0.	0.4	0
121	Defects in Implanted Hg <sub>1-x</sub> Cd <sub>x</sub> Te: Electrical and Structural Characterization. Defect and Diffusion Forum, 1998, 162-163, 21-26.	0.4	0
122	A Cr(IV) based 1212-type cuprate. Materials Research Society Symposia Proceedings, 2002, 755, 1.	0.1	0
123	Observation of CuPt and CuAu I-type ordered structure in HgCdTe grown by isothermal vapour phase epitaxy. Journal of Crystal Growth, 2003, 254, 353-359.	1.5	0
124	New Materials Derived from YBCO: CrSr <sub>2</sub> LnCu <sub>2</sub> O <sub>8</sub> (Ln: La, Pr, Nd, Eu, Gd, Tb, Dy, Y, Ho, Er, Lu).. ChemInform, 2005, 36, no.	0.0	0
125	Study of the Effects of Si Addition on the Properties of Hard Nanocomposite Thin Films. Materials Research Society Symposia Proceedings, 2006, 976, 1.	0.1	0
126	Thermoelectric Oxides and Oxynitrides with Perovskite-type Structure. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0



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127	Thermoelektrische Oxide und Oxidnitride. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2087-2087.	1.2	0
128	Influence of the substrate on the anomalous Nernst effect of magnetite thin films. Materials Research Society Symposia Proceedings, 2014, 1674, 19.	0.1	0
129	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
130	Structural quality in single crystalline CdSe ingots grown by PVT. Revista Materia, 2020, 25, .	0.2	0