

Gustavo A Hirata

List of Publications by Year in descending order

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149
papers

3,395
citations

172386

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docs citations

152
times ranked

4017
citing authors

#	ARTICLE	IF	CITATIONS
1	Classifying nanostructured and heterogeneous materials from transmission electron microscopy images using convolutional neural networks. <i>Neural Computing and Applications</i> , 2022, 34, 11035-11047.	3.2	3
2	Progress on carbon dots and hydroxyapatite based biocompatible luminescent nanomaterials for cancer theranostics. <i>Translational Oncology</i> , 2022, 24, 101482.	1.7	8
3	Luminescence properties and cell uptake analysis of Y ₂ O ₃ :Eu, Bi nanophosphors for bio-imaging applications. <i>Journal of Materials Research and Technology</i> , 2021, 10, 797-807.	2.6	18
4	Visible/Near-Infrared Emitting, Garnet-Based Paramagnetic-Persistent Luminescent Nanocrystals for Two-Photon Bioimaging. <i>Crystal Growth and Design</i> , 2020, 20, 5880-5889.	1.4	8
5	Nanotoxicological study of downconversion Y ₂ O ₃ :Eu ³⁺ luminescent nanoparticles functionalized with folic acid for cancer cells bioimaging. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2396-2406.	1.6	12
6	Mask R-CNN to Classify Chemical Compounds in Nanostructured Materials. <i>IFMBE Proceedings</i> , 2020, , 401-411.	0.2	2
7	Crystalline and luminescence changes due to nitridation of undoped GaN powders obtained by pyrolysis from an organometallic complex. <i>Optical Materials</i> , 2019, 98, 109456.	1.7	1
8	Simultaneous paramagnetic and persistence-luminescence in GAGG:Ce,Pr nanoparticles synthesized by sol-gel for biomedical applications. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	14
9	Zinc doping of Ga-rich GaN powders obtained by nitridation of the Ga-Zn liquid metallic solution. <i>Journal of Alloys and Compounds</i> , 2019, 783, 927-934.	2.8	3
10	P-type GaN powders obtained by nitridation of Ga-Mg liquid metallic solution. <i>Journal of Alloys and Compounds</i> , 2019, 772, 1024-1029.	2.8	5
11	Dual-photosensitizer coupled nanoscintillator capable of producing type I and type II ROS for next generation photodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 586-597.	5.0	23
12	Cytotoxicity, genotoxicity and uptake detection of folic acid-functionalized green upconversion nanoparticles Y ₂ O ₃ /Er ³⁺ , Yb ³⁺ as biolabels for cancer cells. <i>Journal of Materials Science</i> , 2018, 53, 6665-6680.	1.7	17
13	Light sheet microscopy and SrAl ₂ O ₄ nanoparticles codoped with Eu ²⁺ /Dy ³⁺ ions for cancer cell tagging. <i>Journal of Biophotonics</i> , 2018, 11, e201700301.	1.1	8
14	Upconversion rare earth nanoparticles functionalized with folic acid for bioimaging of MCF-7 breast cancer cells. <i>Journal of Materials Research</i> , 2018, 33, 191-200.	1.2	14
15	Magnetic-luminescent cerium-doped gadolinium aluminum garnet nanoparticles for simultaneous imaging and photodynamic therapy of cancer cells. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 220-229.	5.0	47
16	Covering the optical spectrum through different rare-earth ion-doping of YAG nanospheres produced by rapid microwave synthesis. <i>Ceramics International</i> , 2018, 44, 1886-1893.	2.3	16
17	A Facile Method Using a Flux to Improve Quantum Efficiency of Submicron Particle Sized Phosphors for Solid-State Lighting Applications. <i>Ceramics</i> , 2018, 1, 38-53.	1.0	3
18	Blue light triggered generation of reactive oxygen species from silica coated Gd ₃ Al ₅ O ₁₂ :Ce ³⁺ nanoparticles loaded with rose Bengal. <i>Data in Brief</i> , 2018, 20, 1023-1028.	0.5	2

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19	Novel bifunctional Nd:YAG/Fe ₃ O ₄ nanocomposite as nanothermometer/nanoheater for potential biomedical applications. Journal Physics D: Applied Physics, 2018, 51, 40LT01.	1.3	3
20	Effect of the Er ³⁺ Co-dopant on the Green Upconversion Emission of LaSr ₂ AlO ₅ :Yb ³⁺ Phosphors. Journal of Electronic Materials, 2018, 47, 6567-6574.	1.0	7
21	Development of a functionalized UV-emitting nanocomposite for the treatment of cancer using indirect photodynamic therapy. Journal of Nanobiotechnology, 2018, 16, 19.	4.2	31
22	Functionalized rare earth-doped nanoparticles for breast cancer nanodiagnostic using fluorescence and CT imaging. Journal of Nanobiotechnology, 2018, 16, 26.	4.2	32
23	Long-lasting green, yellow, and red phosphorescence of carbon dots embedded on ZnAl ₂ O ₄ nanoparticles synthesized by a combustion method. Journal Physics D: Applied Physics, 2018, 51, 415104.	1.3	13
24	Rare-earth-doped Y ₃ Al ₅ O ₁₂ (YAG) nanophosphors: synthesis, surface functionalization, and applications in thermoluminescence dosimetry and nanomedicine. Journal Physics D: Applied Physics, 2018, 51, 303002.	1.3	21
25	Enhanced crystalline size of undoped GaN powders obtained by nitridation of metallic gallium. Optical Materials, 2018, 83, 220-224.	1.7	7
26	Skeletal dissolution kinetics and mechanical tests in response to morphology among coral genera. Facies, 2017, 63, 1.	0.7	4
27	β -Irradiated thermoluminescence response of nanocrystalline YAGG:Pr ³⁺ for radiation dosimetry. Materials Research Bulletin, 2017, 90, 195-204.	2.7	17
28	Micro-Structures of Nanodiamonds Grown on Silicon by Hot Filament Chemical Vapor Deposition. International Journal of Chemical Reactor Engineering, 2017, 15, .	0.6	0
29	Red-emitting SrGe ₄ O ₉ :Eu ³⁺ phosphors obtained by combustion synthesis. Ceramics International, 2017, 43, 12876-12881.	2.3	11
30	Upconversion Nanoparticles Y ₂ O ₃ and Gd ₂ O ₃ Co-Doped with Er ³⁺ and Yb ³⁺ with Aminosilane-Folic Acid Functionalization for Breast and Cervix Cancer Cells Detection. MRS Advances, 2017, 2, 2983-2988.	0.5	2
31	White-light emission from Y ₂ SiO ₅ :Ce ³⁺ , Tb ³⁺ and Sr ₂ Si ₅ N ₈ :Eu ²⁺ phosphor blends: a predictive model. Micro and Nano Letters, 2017, 12, 500-504.	0.6	7
32	New Bismuth Germanate Oxide Nanoparticle Material for Biolabel Applications in Medicine. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	13
33	An integrated first principles and experimental investigation of the relationship between structural rigidity and quantum efficiency in phosphors for solid state lighting. Journal of Luminescence, 2016, 179, 297-305.	1.5	24
34	Synthesis and Upconversion Luminescence of Nanoparticles Y ₂ O ₃ and Gd ₂ O ₃ Co-doped with Yb ³⁺ and Er ³⁺ . Nanomaterials and Nanotechnology, 2016, 6, 7.	1.2	19
35	Aminosilane Functionalization and Cytotoxicity Effects of Upconversion Nanoparticles Y ₂ O ₃ and Gd ₂ O ₃ Co-Doped with Yb ³⁺ and Er ³⁺ . Nanobiomedicine, 2016, 3, 1.	4.4	35
36	Silica coated, aminosilane functionalization, upconversion emission and cytotoxicity in cancer cell lines of the nanoparticles Y ₂ O ₃ and Gd ₂ O ₃ co-doped with Yb ³⁺ and Er ³⁺ . Materials Research Society Symposia Proceedings, 2016, 1817, 1.	0.1	1

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37	Photoluminescence enhancement from GaN by beryllium doping. <i>Optical Materials</i> , 2016, 60, 398-403.	1.7	8
38	Effect of volume fraction on mechanical properties of Zr/ZrN multilayer systems. <i>Ceramics International</i> , 2016, 42, 18806-18812.	2.3	14
39	Thermally stimulated luminescence and persistent luminescence of \hat{I}^2 -irradiated YAG:Pr ³⁺ nanophosphors produced by combustion synthesis. <i>Radiation Measurements</i> , 2016, 94, 35-40.	0.7	8
40	Morphological optimization and (3-aminopropyl) trimethoxy silane surface modification of Y ₃ Al ₅ O ₁₂ :Pr nanoscintillator for biomedical applications. <i>Materials Research Bulletin</i> , 2016, 77, 236-242.	2.7	19
41	Photoluminescence, size and morphology of red-emitting Gd ₂ O ₃ :Eu ³⁺ nanophosphor synthesized by various methods. <i>Ceramics International</i> , 2016, 42, 6428-6435.	2.3	34
42	Synthesis and characterization of (3-Aminopropyl)trimethoxy-silane (APTMS) functionalized Gd ₂ O ₃ :Eu ³⁺ red phosphor with enhanced quantum yield. <i>Nanotechnology</i> , 2016, 27, 065601.	1.3	27
43	Magnetic-luminescent spherical particles synthesized by ultrasonic spray pyrolysis. <i>Materials Research Express</i> , 2015, 2, 076103.	0.8	3
44	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	102
45	Nd:YAG Near-Infrared Luminescent Nanothermometers. <i>Advanced Optical Materials</i> , 2015, 3, 687-694.	3.6	256
46	Effect of Eu ³⁺ concentration on the photocatalytic activity of LaSr ₂ AlO ₅ powders. <i>Inorganic Chemistry Communication</i> , 2015, 59, 63-67.	1.8	9
47	Distribution of Eu ²⁺ and Eu ³⁺ Ions in Hydroxyapatite: A Cathodoluminescence and Raman Study. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1306-1313.	2.6	67
48	LIPID PEROXIDATION AND PROTEIN OXIDATION INDUCED BY DIFFERENT NANOPARTICLES IN ZEBRAFISH ORGANS. <i>Applied Ecology and Environmental Research</i> , 2015, 13, .	0.2	2
49	Green EuAlO ₃ :Eu ²⁺ nanophosphor for applications in WLEDs. <i>Optical Materials</i> , 2014, 37, 520-524.	1.7	13
50	Analysis of (Ba,Ca,Sr) ₃ MgSi ₂ O ₈ :Eu ²⁺ , Mn ²⁺ phosphors for application in solid state lighting. <i>Journal of Luminescence</i> , 2014, 148, 1-5.	1.5	24
51	Identification and development of nanoscintillators for biotechnology applications. <i>Journal of Luminescence</i> , 2014, 154, 569-577.	1.5	27
52	Kinetic characterization of the deproteinization of trabecular and cortical bovine femur bones. <i>Materials Science and Engineering C</i> , 2013, 33, 4958-4964.	3.8	11
53	Synthesis and characterization of (Lu ^{1-\hat{a}-\hat{a}-Y Ce)₂SiO₅ luminescent powders with fast decay time. <i>Journal of Luminescence</i>, 2013, 136, 86-89.}	1.5	8
54	Quantum efficiency of silica-coated rare-earth doped yttrium silicate. <i>Journal of Luminescence</i> , 2013, 143, 226-232.	1.5	26

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55	Europium-activated barium/strontium silicates for near-UV light emitting diode applications. Journal of Luminescence, 2013, 133, 184-187.	1.5	18
56	Phosphor Dysprosium-Doped Layered Double Hydroxides Exchanged with Different Organic Functional Groups. Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	8
57	Photoluminescence of Bismuth Germanate Phosphors with a Silica-shell Structure. Physics Procedia, 2012, 29, 91-96.	1.2	2
58	Photo- and radioluminescence characteristics of bismuth germanate nanoparticles by sol-gel and pressure-assisted combustion synthesis. Optical Materials, 2012, 34, 1116-1119.	1.7	18
59	Structure dependent luminescence characterization of green-yellow emitting Sr ₂ SiO ₄ :Eu ²⁺ phosphors for near UV LEDs. Journal of Luminescence, 2012, 132, 106-109.	1.5	45
60	Photoluminescence of Europium-Activated Hydroxyapatite Nanoparticles in Body Fluids. Science of Advanced Materials, 2012, 4, 558-562.	0.1	8
61	Photoluminescence Properties of Eu-Doped La ₂ AlO ₅ . Science of Advanced Materials, 2012, 4, 563-567.	0.1	9
62	Millimeter-Long Carbon Nanotubes: Outstanding Electron-Emitting Sources. ACS Nano, 2011, 5, 5072-5077.	7.3	50
63	Anisotropy in the compressive mechanical properties of bovine cortical bone and the mineral and protein constituents. Acta Biomaterialia, 2011, 7, 3170-3177.	4.1	96
64	Luminescence enhancement of Y ₂ O ₃ :Eu ³⁺ and Y ₂ SiO ₅ :Ce ³⁺ , Tb ³⁺ core particles with SiO ₂ shells. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 436-441.	1.7	47
65	Kinetic studies of bone demineralization at different HCl concentrations and temperatures. Materials Science and Engineering C, 2011, 31, 523-530.	3.8	23
66	An analysis of Y ₂ O ₃ :Eu ³⁺ thin films for thermographic phosphor applications. Journal of Luminescence, 2011, 131, 41-48.	1.5	30
67	A New Red-Emitting La _{1-x} Pr _x Sr ₂ AlO ₅ Phosphor Powder Prepared by Combustion Synthesis. Journal of Nanoscience and Nanotechnology, 2011, 11, 5587-5591.	0.9	8
68	COMPARISON OF DEMINERALIZED AND DEPROTEINIZED BONE. Materials Research Society Symposia Proceedings, 2011, 1301, 27.	0.1	2
69	Investigations into Demineralized Cortical Bone. Materials Research Society Symposia Proceedings, 2011, 1301, 33.	0.1	0
70	Near UV-Blue Excitable Green-Emitting Nanocrystalline Oxide. Advances in Materials Science and Engineering, 2011, 2011, 1-7.	1.0	3
71	Energy absorbent natural materials and bioinspired design strategies: A review. Materials Science and Engineering C, 2010, 30, 331-342.	3.8	178
72	Study of Luminescence from GaN:Tb ³⁺ Powders and Thin Films Deposited by MOVPE and PLD Methods. Journal of the Electrochemical Society, 2009, 156, J158.	1.3	9

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73	Eu ³⁺ activated GaN thin films grown on sapphire by pulsed laser deposition. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1756-1758.	0.8	3
74	Synthesis of rare-earth activated AlN and GaN powders via a three-step conversion process. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1889-1891.	0.8	6
75	Red-emitting SrIn ₂ O ₄ ·xH ₂ O phosphor powders for applications in solid state white lamps. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 092005.	1.3	18
76	A yellow-emitting Ce ³⁺ phosphor, La _{1-x} Ce _x Sr ₂ AlO ₅ , for white light-emitting diodes. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	158
77	Preparation and Characterization of Dysprosium (Dy) Ultrafine Nanocrystalline Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 961-966.	0.9	8
78	A novel hybrid pulsed laser deposition/metalorganic vapour deposition method to form rare-earth activated GaN. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 122001.	1.3	2
79	Development of Nanostructured EuAl ₂ O ₄ Phosphors with Strong Long-UV Excitation. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6461-6465.	0.9	3
80	Long-Ultraviolet-Excited White-Light Emission in Rare-Earth-Activated Yttrium-Oxyorthosilicate. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2484-2488.	1.9	15
81	Design of hybrid materials based on carbon nanotubes and polyoxometalates. <i>Optical Materials</i> , 2006, 29, 126-133.	1.7	47
82	Structure and luminescence of nanocrystalline gallium nitride synthesized by a novel polymer pyrolysis route. <i>Optical Materials</i> , 2006, 29, 19-23.	1.7	15
83	Electroluminescence from Eu ³⁺ doped Sr ₂ CeO ₄ nanocrystalline thin films. <i>Optical Materials</i> , 2006, 29, 43-46.	1.7	28
84	White light emission from Y ₂ SiO ₅ :Ce, Tb films excited by electroluminescence. <i>Optical Materials</i> , 2006, 29, 47-50.	1.7	16
85	Nanocrystalline Sr ₂ CeO ₄ thin films grown on silicon by laser ablation. <i>Thin Solid Films</i> , 2006, 497, 177-181.	0.8	8
86	Thin-film TiO ₂ electrode surface characterization upon CO ₂ reduction processes. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 37, 105-109.	1.1	28
87	Microstructural and chemical analysis performed by HRTEM and EDS on YBa ₂ Cu ₃ O _{7-x} /Ag films irradiated with electrons. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 28-32.	1.7	1
88	Luminescent and crystalline properties of blue-white-emitting nanocrystalline Sr ₂ CeO ₄ thin films produced by laser ablation. <i>Optical Materials</i> , 2005, 27, 1212-1216.	1.7	16
89	On the optical, structural, and morphological properties of ZrO ₂ and TiO ₂ dip-coated thin films supported on glass substrates. <i>Materials Characterization</i> , 2005, 55, 263-271.	1.9	41
90	White light emission from rare earth activated yttrium silicate nanocrystalline powders and thin films. <i>Optical Materials</i> , 2005, 27, 1221-1227.	1.7	43

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91	Development of luminescent materials with strong UV-blue absorption. <i>Optical Materials</i> , 2005, 27, 1301-1304.	1.7	13
92	Luminescence study in Eu-doped aluminum oxide phosphors. <i>Optical Materials</i> , 2005, 27, 1311-1315.	1.7	62
93	Nanocrystalline Rare Earth-doped Gallium Nitride Phosphor Powders. <i>Materials Research Society Symposia Proceedings</i> , 2005, 866, 184.	0.1	1
94	Pressure influenced combustion synthesis of \hat{A} - and \hat{A} -Al ₂ O ₃ nanocrystalline powders. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 2585-2591.	0.7	13
95	Luminescence enhancement in Eu ³⁺ -doped \hat{A} - and \hat{A} -Al ₂ O ₃ produced by pressure-assisted low-temperature combustion synthesis. <i>Applied Physics Letters</i> , 2004, 84, 1296-1298.	1.5	40
96	Investigation of the physical properties of a blue-emitting phosphor produced using a rapid exothermic reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 97, 265-274.	1.7	52
97	Improving the efficiency of a blue-emitting phosphor by an energy transfer from Gd ³⁺ to Ce ³⁺ . <i>Journal of Luminescence</i> , 2003, 104, 47-54.	1.5	97
98	Strong photoluminescence and cathodoluminescence due to $f \rightarrow f$ transitions in Eu ³⁺ -doped Al ₂ O ₃ powders prepared by direct combustion synthesis and thin films deposited by laser ablation. <i>Applied Physics Letters</i> , 2003, 83, 272-274.	1.5	80
99	Structural and Morphological Study of Zirconia and Titania Sol-Gel Monolayered Films Supported on Soda-Lime Glass Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2003, 782, 1.	0.1	1
100	CHEMICAL AND STRUCTURAL CHARACTERIZATION OF Co-Ni SILICIDE THIN FILMS. <i>Surface Review and Letters</i> , 2002, 09, 1661-1666.	0.5	3
101	Long-UV excited white-emitting phosphors. , 2002, , .		1
102	Microstructural properties of Eu-doped GaN luminescent powders. <i>Applied Physics Letters</i> , 2002, 81, 1993-1995.	1.5	29
103	A novel method for the synthesis of sub-microcrystalline wurtzite-type In _x Ga _{1-x} N powders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 90, 7-12.	1.7	26
104	A New Combustion Synthesis Method for GaN:Eu ³⁺ and Ga ₂ O ₃ :Eu ³⁺ Luminescent Powders. <i>Physica Status Solidi A</i> , 2001, 188, 179-182.	1.7	37
105	A NEW COMBUSTION SYNTHESIS TECHNIQUE FOR RARE EARTH-DOPED III-NITRIDE LUMINESCENT POWDERS. <i>Modern Physics Letters B</i> , 2001, 15, 655-658.	1.0	1
106	New combustion synthesis technique for the production of (In _x Ga _{1-x}) ₂ O ₃ powders: Hydrazine/metal nitrate method. <i>Journal of Materials Research</i> , 2001, 16, 1059-1065.	1.2	46
107	Laser melting of photoluminescent (Y _{0.92} Eu _{0.08}) ₂ O ₃ films. <i>Journal of Applied Physics</i> , 2001, 90, 3919-3924.	1.1	1
108	Ba _{0.5} Sr _{0.5} TiO ₃ thin films deposited by PLD on SiO ₂ /Si RuO ₂ /Si and Pt/Si electrodes. <i>Thin Solid Films</i> , 2000, 373, 49-52.	0.8	22

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109	Flux pinning effect of embedded carbon nanotubes in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 1269-1270.	0.6	10
110	Interface analysis of CVD diamond on TiN surfaces. Applied Surface Science, 2000, 158, 236-245.	3.1	10
111	XPS and HRTEM characterization of cobalt-nickel silicide thin films. Applied Surface Science, 2000, 161, 61-73.	3.1	48
112	Characterization of Photoluminescent (Y _{2-x} Eu _x) ₂ O ₃ Thin Films Prepared by Metallorganic Chemical Vapor Deposition. Journal of the American Ceramic Society, 2000, 83, 1241-1246.	1.9	58
113	Ferroelectric and microstructure properties of Ba _{1-x} Sr _x TiO ₃ films grown on different electrodes. Integrated Ferroelectrics, 1999, 24, 85-94.	0.3	0
114	Study of different forms of carbon by analytical electron microscopy. Journal of Electron Spectroscopy and Related Phenomena, 1999, 104, 61-66.	0.8	21
115	EELS characterization of TiN grown by the DC sputtering technique. Journal of Electron Spectroscopy and Related Phenomena, 1999, 105, 129-133.	0.8	10
116	Title is missing!. , 1999, 3, 377-385.		8
117	Experimental study of microstructure and critical current density of YBCO/Ag thick films under silver addition and electron irradiation. Superconductor Science and Technology, 1999, 12, 264-269.	1.8	9
118	An Investigation of the Chromaticity of Blue Emitting Yttrium Silicate. Materials Research Society Symposia Proceedings, 1999, 558, 15.	0.1	6
119	An Investigation of the Chromaticity of Blue Emitting Yttrium Silicate. Materials Research Society Symposia Proceedings, 1999, 560, 15.	0.1	3
120	Piezoelectricity and aging effects in the PMN-PT system. Ferroelectrics, 1999, 224, 203-210.	0.3	1
121	Induced piezoactivity in the 3(1-x)PMN-xPT solid solution. Solid State Communications, 1998, 107, 149-152.	0.9	2
122	Sintering characteristics of the LSBN ceramics and influence of the lanthanum content. Journal of the European Ceramic Society, 1998, 18, 745-749.	2.8	13
123	Enhanced photoluminescent emission of thin phosphor films via pulsed excimer laser melting. Journal of Materials Research, 1998, 13, 3019-3021.	1.2	7
124	Growth and Analysis of Red, Green and Blue Luminescent Oxide Thin Films. Surface Review and Letters, 1998, 05, 413-417.	0.5	3
125	<title>Improvement of luminescent properties of thin-film phosphors by excimer laser processing</title>. , 1998, , .		0
126	Low-Voltage Cathodoluminescent Properties of Blue-Emitting Yttrium Silicates Doped With Cerium. Materials Research Society Symposia Proceedings, 1998, 508, 269.	0.1	1

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127	Microstructural and Photoluminescence Studies on Europium Doped Yttrium Oxide Films Synthesized by Metallorganic Vapor Deposition. Materials Research Society Symposia Proceedings, 1997, 495, 39.	0.1	2
128	PEELS and EXELFS characterization of diamond films grown by the HF-CVD technique on non-scratched Si substrates. Thin Solid Films, 1997, 304, 45-47.	0.8	5
129	Identification of different forms of carbon by extended energy loss fine structure. Applied Surface Science, 1997, 108, 59-63.	3.1	5
130	Physical properties of Y ₂ O ₃ :Eu luminescent films grown by MOCVD and laser ablation. Applied Surface Science, 1997, 113-114, 509-514.	3.1	117
131	TEM and PEELS characterization of diamond films grown on Si substrates. Diamond and Related Materials, 1996, 5, 1249-1253.	1.8	12
132	Boron-carbide p-type layer for amorphous silicon solar cells. AIP Conference Proceedings, 1996, , .	0.3	0
133	The sensitivity of the Au MNN Auger transition. AIP Conference Proceedings, 1996, , .	0.3	0
134	Study of silver addition in epitaxial superconducting YBCO films grown by laser ablation. AIP Conference Proceedings, 1996, , .	0.3	0
135	Carbon thin films deposited by Capillary Assisted Chemical Vapor Deposition. AIP Conference Proceedings, 1996, , .	0.3	0
136	Stoichiometric tungsten carbide coatings. AIP Conference Proceedings, 1996, , .	0.3	1
137	Synthesis and optoelectronic characterization of gallium doped zinc oxide transparent electrodes. Thin Solid Films, 1996, 288, 29-31.	0.8	147
138	Pulsed laser deposition of Y ₃ Al ₅ O ₁₂ :Tb photoluminescent thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 1694-1696.	0.9	17
139	High transmittanceâ€“low resistivity ZnO:Ga films by laser ablation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 791-794.	0.9	58
140	Auger electron spectroscopy study of silver incorporation in epitaxial Yâ€“Baâ€“Cuâ€“O superconducting films grown on MgO by laser ablation. Applied Physics Letters, 1995, 67, 2078-2080.	1.5	11
141	Diamond films grown on p-type microcrystalline-SiC:H/crystalline-Si substrates. Diamond and Related Materials, 1994, 3, 177-181.	1.8	9
142	Nucleation and growth of diamond films on mu c-SiC/x-Si by hot-filament CVD. Journal of Physics Condensed Matter, 1993, 5, A305-A306.	0.7	4
143	The role of an amorphous SiC:H 'buffer' in the high-performance mu c-SiC:H/a-SiC:H/poly-Si heterojunction solar cells. IEEE Electron Device Letters, 1991, 12, 562-564.	2.2	8
144	A new type of high efficiency with a lowâ€“cost solar cell having the structure of a 1/4câ€“SiC/polycrystalline silicon heterojunction. Journal of Applied Physics, 1990, 67, 6538-6543.	1.1	83

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145	Characterization of boron doped 1/4c-SiC/c-Si heterojunction solar cells. <i>Journal of Non-Crystalline Solids</i> , 1989, 115, 195-197.	1.5	27
146	Hydrogen detection in hydrogenated amorphous silicon by ion-induced Auger spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1989, 7, 2625-2627.	0.9	0
147	Characterization of CdTe polycrystalline films by x-ray photoelectron and Auger spectroscopies. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1989, 7, 245-248.	0.9	6
148	Lack of chemical interaction of hydrogenated amorphous silicon with indium-doped zinc oxide transparent conductive films. <i>Journal of Non-Crystalline Solids</i> , 1988, 103, 9-13.	1.5	23
149	Scanning Auger microscopy analysis of 90 K Y-Ba-Cu-O superconductors. <i>Journal of Materials Research</i> , 1988, 3, 417-420.	1.2	6