

Gustavo A Hirata

List of Publications by Year in descending order

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149
papers

3,395
citations

172386

29
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175177

52
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152
all docs

152
docs citations

152
times ranked

4017
citing authors

#	ARTICLE	IF	CITATIONS
1	Nd:YAG Near-Infrared Luminescent Nanothermometers. <i>Advanced Optical Materials</i> , 2015, 3, 687-694.	3.6	256
2	Energy absorbent natural materials and bioinspired design strategies: A review. <i>Materials Science and Engineering C</i> , 2010, 30, 331-342.	3.8	178
3	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
4	Synthesis and optoelectronic characterization of gallium doped zinc oxide transparent electrodes. <i>Thin Solid Films</i> , 1996, 288, 29-31.	0.8	147
5	Physical properties of Y ₂ O ₃ :Eu luminescent films grown by MOCVD and laser ablation. <i>Applied Surface Science</i> , 1997, 113-114, 509-514.	3.1	117
6	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	102
7	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
8	Anisotropy in the compressive mechanical properties of bovine cortical bone and the mineral and protein constituents. <i>Acta Biomaterialia</i> , 2011, 7, 3170-3177.	4.1	96
9	A new type of high efficiency with a low-cost solar cell having the structure of a 1/4 SiC/polycrystalline silicon heterojunction. <i>Journal of Applied Physics</i> , 1990, 67, 6538-6543.	1.1	83
10	Strong photoluminescence and cathodoluminescence due to f-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
11	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
12	Luminescence study in Eu-doped aluminum oxide phosphors. <i>Optical Materials</i> , 2005, 27, 1311-1315.	1.7	62
13	High transmittance-low resistivity ZnO:Ga films by laser ablation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1996, 14, 791-794.	0.9	58
14	Characterization of Photoluminescent (Y _{1-x} Eu _x) ₂ O ₃ Thin Films Prepared by Metallorganic Chemical Vapor Deposition. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1241-1246.	1.9	58
15	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
16	Millimeter-Long Carbon Nanotubes: Outstanding Electron-Emitting Sources. <i>ACS Nano</i> , 2011, 5, 5072-5077.	7.3	50
17	XPS and HRTEM characterization of cobalt-nickel silicide thin films. <i>Applied Surface Science</i> , 2000, 161, 61-73.	3.1	48
18	Design of hybrid materials based on carbon nanotubes and polyoxometalates. <i>Optical Materials</i> , 2006, 29, 126-133.	1.7	47

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19	Luminescence enhancement of Y ₂ O ₃ :Eu ³⁺ and Y ₂ SiO ₅ :Ce ³⁺ , Tb ³⁺ core particles with SiO ₂ shells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 436-441.	1.7	47
20	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
21	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
22	Structure dependent luminescence characterization of green-yellow emitting Sr ₂ SiO ₄ :Eu ²⁺ phosphors for near UV LEDs. <i>Journal of Luminescence</i> , 2012, 132, 106-109.	1.5	45
23	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
24	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
25	Luminescence enhancement in Eu ³⁺ -doped α - and β -Al ₂ O ₃ produced by pressure-assisted low-temperature combustion synthesis. <i>Applied Physics Letters</i> , 2004, 84, 1296-1298.	1.5	40
26	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
27	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⁺ . <i>Nanobiomedicine</i> , 2016, 3, 1.	4.4	35
28	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
29	Functionalized rare earth-doped nanoparticles for breast cancer nanodiagnostic using fluorescence and CT imaging. <i>Journal of Nanobiotechnology</i> , 2018, 16, 26.	4.2	32
30	Development of a functionalized UV-emitting nanocomposite for the treatment of cancer using indirect photodynamic therapy. <i>Journal of Nanobiotechnology</i> , 2018, 16, 19.	4.2	31
31	An analysis of Y ₂ O ₃ :Eu ³⁺ thin films for thermographic phosphor applications. <i>Journal of Luminescence</i> , 2011, 131, 41-48.	1.5	30
32	Microstructural properties of Eu-doped GaN luminescent powders. <i>Applied Physics Letters</i> , 2002, 81, 1993-1995.	1.5	29
33	Electroluminescence from Eu ³⁺ doped Sr ₂ CeO ₄ nanocrystalline thin films. <i>Optical Materials</i> , 2006, 29, 43-46.	1.7	28
34	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
35	Characterization of boron doped $\frac{1}{4}$ c-SiC/c-Si heterojunction solar cells. <i>Journal of Non-Crystalline Solids</i> , 1989, 115, 195-197.	1.5	27
36	Identification and development of nanoscintillators for biotechnology applications. <i>Journal of Luminescence</i> , 2014, 154, 569-577.	1.5	27

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37	Synthesis and characterization of (3-Aminopropyl)trimethoxy-silane (APTMS) functionalized Gd ₂ O ₃ :Eu ³⁺ red phosphor with enhanced quantum yield. Nanotechnology, 2016, 27, 065601.	1.3	27
38	A novel method for the synthesis of sub-microcrystalline wurtzite-type In _x Ga _{1-x} N powders. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 90, 7-12.	1.7	26
39	Quantum efficiency of silica-coated rare-earth doped yttrium silicate. Journal of Luminescence, 2013, 143, 226-232.	1.5	26
40	Analysis of (Ba,Ca,Sr) ₃ MgSi ₂ O ₈ :Eu ²⁺ , Mn ²⁺ phosphors for application in solid state lighting. Journal of Luminescence, 2014, 148, 1-5.	1.5	24
41	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
42	Lack of chemical interaction of hydrogenated amorphous silicon with indium-doped zinc oxide transparent conductive films. Journal of Non-Crystalline Solids, 1988, 103, 9-13.	1.5	23
43	Kinetic studies of bone demineralization at different HCl concentrations and temperatures. Materials Science and Engineering C, 2011, 31, 523-530.	3.8	23
44	Dual-photosensitizer coupled nanoscintillator capable of producing type I and type II ROS for next generation photodynamic therapy. Journal of Colloid and Interface Science, 2019, 536, 586-597.	5.0	23
45	Ba _{0.5} Sr _{0.5} TiO ₃ thin films deposited by PLD on SiO ₂ /Si RuO ₂ /Si and Pt/Si electrodes. Thin Solid Films, 2000, 373, 49-52.	0.8	22
46	Study of different forms of carbon by analytical electron microscopy. Journal of Electron Spectroscopy and Related Phenomena, 1999, 104, 61-66.	0.8	21
47	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
48	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
49	Morphological optimization and (3-aminopropyl) trimethoxy silane surface modification of Y ₃ Al ₅ O ₁₂ :Pr nanoscintillator for biomedical applications. Materials Research Bulletin, 2016, 77, 236-242.	2.7	19
50	Red-emitting SrIn ₂ O ₄ :Eu ³⁺ phosphor powders for applications in solid state white lamps. Journal Physics D: Applied Physics, 2008, 41, 092005.	1.3	18
51	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
52	Europium-activated barium/strontium silicates for near-UV light emitting diode applications. Journal of Luminescence, 2013, 133, 184-187.	1.5	18
53	Luminescence properties and cell uptake analysis of Y ₂ O ₃ :Eu, Bi nanophosphors for bio-imaging applications. Journal of Materials Research and Technology, 2021, 10, 797-807.	2.6	18
54	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

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55	β^2 -Irradiated thermoluminescence response of nanocrystalline YAGG:Pr ³⁺ for radiation dosimetry. Materials Research Bulletin, 2017, 90, 195-204.	2.7	17
56	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. Journal of Materials Science, 2018, 53, 6665-6680.	1.7	17
57	Luminescent and crystalline properties of blue-white-emitting nanocrystalline Sr ₂ CeO ₄ thin films produced by laser ablation. Optical Materials, 2005, 27, 1212-1216.	1.7	16
58	White light emission from Y ₂ SiO ₅ :Ce, Tb films excited by electroluminescence. Optical Materials, 2006, 29, 47-50.	1.7	16
59	Covering the optical spectrum through different rare-earth ion-doping of YAG nanospheres produced by rapid microwave synthesis. Ceramics International, 2018, 44, 1886-1893.	2.3	16
60	Structure and luminescence of nanocrystalline gallium nitride synthesized by a novel polymer pyrolysis route. Optical Materials, 2006, 29, 19-23.	1.7	15
61	Long-Ultraviolet-Excited White-Light Emission in Rare-Earth-Activated Yttrium-Oxyorthosilicate. Journal of the American Ceramic Society, 2007, 90, 2484-2488.	1.9	15
62	Effect of volume fraction on mechanical properties of Zr/ZrN multilayer systems. Ceramics International, 2016, 42, 18806-18812.	2.3	14
63	Upconversion rare earth nanoparticles functionalized with folic acid for bioimaging of MCF-7 breast cancer cells. Journal of Materials Research, 2018, 33, 191-200.	1.2	14
64	Simultaneous paramagnetic and persistence-luminescence in GAGG:Ce,Pr nanoparticles synthesized by sol-gel for biomedical applications. Journal of Applied Physics, 2019, 126, .	1.1	14
65	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
66	Pressure influenced combustion synthesis of β - and γ -Al ₂ O ₃ nanocrystalline powders. Journal of Physics Condensed Matter, 2004, 16, 2585-2591.	0.7	13
67	Development of luminescent materials with strong UV-blue absorption. Optical Materials, 2005, 27, 1301-1304.	1.7	13
68	Green EuAlO ₃ :Eu ²⁺ nanophosphor for applications in WLEDs. Optical Materials, 2014, 37, 520-524.	1.7	13
69	New Bismuth Germanate Oxide Nanoparticle Material for Biolabel Applications in Medicine. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	13
70	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
71	TEM and PEELS characterization of diamond films grown on Si substrates. Diamond and Related Materials, 1996, 5, 1249-1253.	1.8	12
72	Nanotoxicological study of downconversion Y ₂ O ₃ :Eu ³⁺ luminescent nanoparticles functionalized with folic acid for cancer cells bioimaging. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2396-2406.	1.6	12

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73	Auger electron spectroscopy study of silver incorporation in epitaxial YBaCuO superconducting films grown on MgO by laser ablation. Applied Physics Letters, 1995, 67, 2078-2080.	1.5	11
74	Kinetic characterization of the deproteinization of trabecular and cortical bovine femur bones. Materials Science and Engineering C, 2013, 33, 4958-4964.	3.8	11
75	Red-emitting SrGe ₄ O ₉ :Eu ³⁺ phosphors obtained by combustion synthesis. Ceramics International, 2017, 43, 12876-12881.	2.3	11
76	EELS characterization of TiN grown by the DC sputtering technique. Journal of Electron Spectroscopy and Related Phenomena, 1999, 105, 129-133.	0.8	10
77	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
78	Interface analysis of CVD diamond on TiN surfaces. Applied Surface Science, 2000, 158, 236-245.	3.1	10
79	Diamond films grown on p-type microcrystalline-SiC:H/crystalline-Si substrates. Diamond and Related Materials, 1994, 3, 177-181.	1.8	9
80	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
81	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
82	Effect of Eu ³⁺ concentration on the photocatalytic activity of LaSr ₂ AlO ₅ powders. Inorganic Chemistry Communication, 2015, 59, 63-67.	1.8	9
83	Photoluminescence Properties of Eu-Doped LaSr ₂ AlO ₅ . Science of Advanced Materials, 2012, 4, 563-567.	0.1	9
84	The role of an amorphous SiC:H 'buffer' in the high-performance μc-SiC:H/a-SiC:H/poly-Si heterojunction solar cells. IEEE Electron Device Letters, 1991, 12, 562-564.	2.2	8
85	Title is missing!. , 1999, 3, 377-385.		8
86	Nanocrystalline Sr ₂ CeO ₄ thin films grown on silicon by laser ablation. Thin Solid Films, 2006, 497, 177-181.	0.8	8
87	Preparation and Characterization of Dysprosium (Dy) Ultrafine Nanocrystalline Structures. Journal of Nanoscience and Nanotechnology, 2008, 8, 961-966.	0.9	8
88	A New Red-Emitting La ³⁺ Pr ³⁺ Sr ₂ AlO ₅ Phosphor Powder Prepared by Combustion Synthesis. Journal of Nanoscience and Nanotechnology, 2011, 11, 5587-5591.	0.9	8
89	Synthesis and characterization of (Lu ³⁺ Y ³⁺) ₂ SiO ₅ luminescent powders with fast decay time. Journal of Luminescence, 2013, 136, 86-89.	1.5	8
90	Phosphor Dysprosium-Doped Layered Double Hydroxides Exchanged with Different Organic Functional Groups. Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	8

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91	Photoluminescence enhancement from GaN by beryllium doping. <i>Optical Materials</i> , 2016, 60, 398-403.	1.7	8
92	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
93	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
94	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
95	Photoluminescence of Europium-Activated Hydroxyapatite Nanoparticles in Body Fluids. <i>Science of Advanced Materials</i> , 2012, 4, 558-562.	0.1	8
96	Progress on carbon dots and hydroxyapatite based biocompatible luminescent nanomaterials for cancer theranostics. <i>Translational Oncology</i> , 2022, 24, 101482.	1.7	8
97	Enhanced photoluminescent emission of thin phosphor films via pulsed excimer laser melting. <i>Journal of Materials Research</i> , 1998, 13, 3019-3021.	1.2	7
98	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. <i>Micro and Nano Letters</i> , 2017, 12, 500-504.	0.6	7
99	Effect of the Er ³⁺ Co-dopant on the Green Upconversion Emission of LaSr ₂ AlO ₅ :Yb ³⁺ Phosphors. <i>Journal of Electronic Materials</i> , 2018, 47, 6567-6574.	1.0	7
100	Enhanced crystalline size of undoped GaN powders obtained by nitridation of metallic gallium. <i>Optical Materials</i> , 2018, 83, 220-224.	1.7	7
101	Scanning Auger microscopy analysis of 90 K YBaCuO superconductors. <i>Journal of Materials Research</i> , 1988, 3, 417-420.	1.2	6
102	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
103	An Investigation of the Chromaticity of Blue Emitting Yttrium Silicate. <i>Materials Research Society Symposia Proceedings</i> , 1999, 558, 15.	0.1	6
104	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
105	PEELS and EXELFS characterization of diamond films grown by the HF-CVD technique on non-scratched Si substrates. <i>Thin Solid Films</i> , 1997, 304, 45-47.	0.8	5
106	Identification of different forms of carbon by extended energy loss fine structure. <i>Applied Surface Science</i> , 1997, 108, 59-63.	3.1	5
107	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
108	Nucleation and growth of diamond films on mu c-SiC/x-Si by hot-filament CVD. <i>Journal of Physics Condensed Matter</i> , 1993, 5, A305-A306.	0.7	4

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109	Skeletal dissolution kinetics and mechanical tests in response to morphology among coral genera. <i>Facies</i> , 2017, 63, 1.	0.7	4
110	Growth and Analysis of Red, Green and Blue Luminescent Oxide Thin Films. <i>Surface Review and Letters</i> , 1998, 05, 413-417.	0.5	3
111	An Investigation of the Chromaticity of Blue Emitting Yttrium Silicate. <i>Materials Research Society Symposia Proceedings</i> , 1999, 560, 15.	0.1	3
112	CHEMICAL AND STRUCTURAL CHARACTERIZATION OF Co-Ni SILICIDE THIN FILMS. <i>Surface Review and Letters</i> , 2002, 09, 1661-1666.	0.5	3
113	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
114	Near UV-Blue Excitable Green-Emitting Nanocrystalline Oxide. <i>Advances in Materials Science and Engineering</i> , 2011, 2011, 1-7.	1.0	3
115	Magnetic-luminescent spherical particles synthesized by ultrasonic spray pyrolysis. <i>Materials Research Express</i> , 2015, 2, 076103.	0.8	3
116	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
117	Novel bifunctional Nd:YAG/Fe ₃ O ₄ nanocomposite as nanothermometer/nanoheater for potential biomedical applications. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 40LT01.	1.3	3
118	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
119	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
120	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
121	Microstructural and Photoluminescence Studies on Europium Doped Yttrium Oxide Films Synthesized by Metalorganic Vapor Deposition. <i>Materials Research Society Symposia Proceedings</i> , 1997, 495, 39.	0.1	2
122	Induced piezoactivity in the 3(1-x)PMN-xPT solid solution. <i>Solid State Communications</i> , 1998, 107, 149-152.	0.9	2
123	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
124	COMPARISON OF DEMINERALIZED AND DEPROTEINIZED BONE. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1301, 27.	0.1	2
125	Photoluminescence of Bismuth Germanate Phosphors with a Silica-shell Structure. <i>Physics Procedia</i> , 2012, 29, 91-96.	1.2	2
126	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. <i>MRS Advances</i> , 2017, 2, 2983-2988.	0.5	2

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127	Blue light triggered generation of reactive oxygen species from silica coated Gd ₃ Al ₅ O ₁₂ :Ce ³⁺ nanoparticles loaded with rose Bengal. Data in Brief, 2018, 20, 1023-1028.	0.5	2
128	Mask R-CNN to Classify Chemical Compounds in Nanostructured Materials. IFMBE Proceedings, 2020, , 401-411.	0.2	2
129	LIPID PEROXIDATION AND PROTEIN OXIDATION INDUCED BY DIFFERENT NANOPARTICLES IN ZEBRAFISH ORGANS. Applied Ecology and Environmental Research, 2015, 13, .	0.2	2
130	Stoichiometric tungsten carbide coatings. AIP Conference Proceedings, 1996, , .	0.3	1
131	Low-Voltage Cathodoluminescent Properties of Blue-Emitting Yttrium Silicates Doped With Cerium. Materials Research Society Symposia Proceedings, 1998, 508, 269.	0.1	1
132	Piezoelectricity and aging effects in the PMN-PT system. Ferroelectrics, 1999, 224, 203-210.	0.3	1
133	A NEW COMBUSTION SYNTHESIS TECHNIQUE FOR RARE EARTH-DOPED III-NITRIDE LUMINESCENT POWDERS. Modern Physics Letters B, 2001, 15, 655-658.	1.0	1
134	Laser melting of photoluminescent (Y _{0.92} Eu _{0.08}) ₂ O ₃ films. Journal of Applied Physics, 2001, 90, 3919-3924.	1.1	1
135	Long-UV excited white-emitting phosphors. , 2002, , .		1
136	Structural and Morphological Study of Zirconia and Titania Sol-Gel Monolayered Films Supported on Soda-Lime Glass Substrates. Materials Research Society Symposia Proceedings, 2003, 782, 1.	0.1	1
137	Nanocrystalline Rare Earth-doped Gallium Nitride Phosphor Powders. Materials Research Society Symposia Proceedings, 2005, 866, 184.	0.1	1
138	Microstructural and chemical analysis performed by HRTEM and EDS on YBa ₂ Cu ₃ O _{7-x} /Ag films irradiated with electrons. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 28-32.	1.7	1
139	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 Y ³⁺ and Er ³⁺ . Materials Research Society Symposia Proceedings, 2016, 1817, 1.	0.1	1
140	Crystalline and luminescence changes due to nitridation of undoped GaN powders obtained by pyrolysis from an organometallic complex. Optical Materials, 2019, 98, 109456.	1.7	1
141	Hydrogen detection in hydrogenated amorphous silicon by ion-induced Auger spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 2625-2627.	0.9	0
142	Boron-carbide p-type layer for amorphous silicon solar cells. AIP Conference Proceedings, 1996, , .	0.3	0
143	The sensitivity of the Au MNN Auger transition. AIP Conference Proceedings, 1996, , .	0.3	0
144	Study of silver addition in epitaxial superconducting YBCO films grown by laser ablation. AIP Conference Proceedings, 1996, , .	0.3	0

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145	Carbon thin films deposited by Capillary Assisted Chemical Vapor Deposition. AIP Conference Proceedings, 1996, , .	0.3	0
146	<title>Improvement of luminescent properties of thin-film phosphors by excimer laser processing</title>. , 1998, , .		0
147	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
148	Investigations into Demineralized Cortical Bone. Materials Research Society Symposia Proceedings, 2011, 1301, 33.	0.1	0
149	Micro-Structures of Nanodiamonds Grown on Silicon by Hot Filament Chemical Vapor Deposition. International Journal of Chemical Reactor Engineering, 2017, 15, .	0.6	0