

Ana Maria Pires

List of Publications by Year in descending order

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69
papers

1,578
citations

331259

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70
all docs

70
docs citations

70
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence and cytotoxic study of red emissive europium(III) complex as a cell dye. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 422, 113552.	2.0	6
2	Red-emitting BaAl ₂ O ₄ :Eu ³⁺ synthesized via Pechini and sol-gel routes: a comparison of luminescence and structure. Journal of Materials Science, 2022, 57, 170-184.	1.7	1
3	Red-emitting heteroleptic iridium(III) complexes: photophysical and cell labeling study. Photochemical and Photobiological Sciences, 2022, 21, 1077-1090.	1.6	2
4	The influence of the complexing agent on the luminescence of multicolor-emitting Y ₂ O ₃ :Eu ³⁺ ,Er ³⁺ ,Yb ³⁺ phosphors obtained by the Pechini's method. Materials Chemistry and Physics, 2021, 257, 123840.	2.0	14
5	Langmuir-Schaefer films based on highly hydrophobic Eu ³⁺ tetrakis- β^2 -diketonate complexes containing amphiphilic counterions. Journal of Luminescence, 2021, 231, 117815.	1.5	2
6	Recent prospects on phosphor-converted LEDs for lighting, displays, phototherapy, and indoor farming. Journal of Luminescence, 2021, 237, 118167.	1.5	50
7	A spectroscopic experimental and semi-empirical study of [Eu(salen) ₂] as a red-emitter for phosphor-converted UV LED. Optik, 2021, 243, 167454.	1.4	9
8	Effects of the Pechini's modified synthetic route on structural and photophysical properties of Eu ³⁺ or Tb ³⁺ -doped LaAlO ₃ . Materials Research Bulletin, 2021, 143, 111462.	2.7	13
9	New crown-ether Dibenzo-18-crown-4 ligand via sequential one-pot reaction. Results in Chemistry, 2021, 3, 100221.	0.9	0
10	Red-Emitting Coatings for Multifunctional UV/Red Emitting LEDs Applied in Plant Circadian Rhythm Control. ECS Journal of Solid State Science and Technology, 2020, 9, 016008.	0.9	9
11	Phosphor-based green-emitting coatings for circadian lighting. Journal of Luminescence, 2020, 224, 117298.	1.5	7
12	Eu(II)-Activated Silicates for UV Light-Emitting Diodes Tuning into Warm White Light. Advanced Engineering Materials, 2020, 22, 2070036.	1.6	3
13	Red-Emitting Hybrid Based on Eu ³⁺ -dbm Complex Anchored on Silica Nanoparticles Surface by Carboxylic Acid for Biomarker Application. Materials, 2020, 13, 5494.	1.3	8
14	Eu(II)-Activated Silicates for UV Light-Emitting Diodes Tuning into Warm White Light. Advanced Engineering Materials, 2020, 22, 2000422.	1.6	5
15	Syntheses and characterization of Schiff base ligands and their Ir(III) complexes as coating for phosphor-converted LEDs. Optik, 2020, 219, 164995.	1.4	7
16	Multicolor-emitting luminescent Y ₂ O ₃ :RE ³⁺ @SiO ₂ -[RE ³⁺ (β^2 -diketone) ₃] core@shell hybrids featuring dual RE ³⁺ activator centers. Journal of Alloys and Compounds, 2020, 843, 155811.	2.8	7
17	Photoluminescence of Eu ³⁺ -doped CaZrO red-emitting phosphors synthesized via microwave-assisted hydrothermal method. Materials Today Communications, 2020, 24, 100966.	0.9	9
18	Tunable blue-green emission and energy transfer properties in Ba ₂ SiO ₄ :Tb ³⁺ obtained from sol-gel method. Journal of Luminescence, 2019, 214, 116604.	1.5	18

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19	Eu ³⁺ -tetrakis(2-diketonate) complexes for solid-state lighting application. <i>Luminescence</i> , 2019, 34, 877-886.	1.5	11
20	Eu ³⁺ complex/polymer films for light-emitting diode applications. <i>Optical Materials</i> , 2019, 96, 109323.	1.7	11
21	Evaluation of cryo-treatment in the luminescent properties of PVDF/Eu ₂ O ₃ composite obtained by using buriti oil as additive. <i>Solid State Sciences</i> , 2019, 92, 24-30.	1.5	7
22	Decorated silica particles with terbium complexes as luminescent biomarker for cell imaging. <i>Optical Materials</i> , 2019, 90, 57-63.	1.7	10
23	Design of a red-emitter hybrid material for bioimaging: europium complexes grafted on silica particles. <i>Materials Today Chemistry</i> , 2019, 14, 100204.	1.7	8
24	Energy transfer between terbium and europium ions in barium orthosilicate phosphors obtained from sol-gel route. <i>Journal of Luminescence</i> , 2018, 199, 372-378.	1.5	25
25	Red-light-emitting polymer composite based on PVDF membranes and Europium phosphor using Buriti Oil as plasticizer. <i>Materials Chemistry and Physics</i> , 2018, 217, 160-167.	2.0	13
26	Red phosphor based on Eu ³⁺ -doped Y ₂ (MoO ₄) ₃ incorporated with Au NPs synthesized via Pechini's method. <i>Optical Materials</i> , 2018, 84, 137-145.	1.7	21
27	Photoluminescence and Scintillation Modulation Upon UV/Visible-Induced Photochromism in Europium Tungstate Phosphors. <i>ChemistrySelect</i> , 2017, 2, 3538-3548.	0.7	9
28	Red phosphor based on Eu ³⁺ -isoelectronically doped Ba ₂ SiO ₄ obtained via sol-gel route for solid state lightning. <i>RSC Advances</i> , 2017, 7, 53752-53762.	1.7	38
29	Study on the structural and electrocatalytic properties of Ba ²⁺ - and Eu ³⁺ -doped silica xerogels as sensory platforms. <i>RSC Advances</i> , 2016, 6, 104529-104536.	1.7	19
30	Co-Deposition of Gold Nanoparticles and Metalloporphyrin Using the Langmuir-Blodgett (LB) Technique for Surface-Enhanced Raman Scattering (SERS). <i>Applied Spectroscopy</i> , 2015, 69, 451-456.	1.2	5
31	Study of the Influence of Eu ³⁺ Ions in the Bandgap of K ₂ NdNb ₅ O ₁₅ Nanopowders. <i>Materials Science Forum</i> , 2015, 820, 378-383.	0.3	0
32	Spherical-shaped Y ₂ O ₃ :Eu ³⁺ nanoparticles with intense photoluminescence emission. <i>Ceramics International</i> , 2015, 41, 1189-1195.	2.3	14
33	Supramolecular arrangements of an organometallic forming nanostructured films. <i>Materials Research</i> , 2014, 17, 1375-1383.	0.6	12
34	Sprayed films of europium complexes toward light conversion devices. <i>Journal of Luminescence</i> , 2014, 153, 272-280.	1.5	9
35	Sr ₂ CeO ₄ : Electronic and structural properties. <i>Journal of Alloys and Compounds</i> , 2014, 608, 73-78.	2.8	25
36	ESTUDO DO COMPORTAMENTO ESPECTROSCÓPICO DO LIGANTE BASE DE SCHIFF N,N,N',N'-TETRASALICIIDENO- 1,2,4,5-TETRAAMINO BENZOATO E SEUS COMPLEXOS COM COBRE(II). <i>Colloquium Exactarum</i> , 2014, 6, 97-104.	0.6	0

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37	Nanostructured hybrid films containing nanophosphor: Fabrication and electronic spectral properties. <i>Journal of Alloys and Compounds</i> , 2012, 541, 365-371.	2.8	12
38	Film based on Y ₂ O ₃ :Eu ³⁺ (5mol% of Eu ³⁺) for flat panel display. <i>Thin Solid Films</i> , 2012, 524, 299-303.	0.8	20
39	A route to obtain Gd ₂ O ₃ :Nd ³⁺ with different particle size. <i>Materials Chemistry and Physics</i> , 2011, 127, 40-44.	2.0	16
40	Luminescent and morphological study of Sr ₂ CeO ₄ blue phosphor prepared from oxalate precursors. <i>Journal of Luminescence</i> , 2011, 131, 25-29.	1.5	20
41	Synthesis and structural characterization of Eu(III)-doped Zn ₇ Sb ₂ O ₁₂ . <i>Journal of Materials Science</i> , 2010, 45, 4216-4223.	1.7	6
42	Y ₂ O ₃ :Eu ³⁺ (5mol%) with Ag nanoparticles prepared by citrate precursor. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2110-2115.	1.4	30
43	The effect of Eu ³⁺ concentration on the Y ₂ O ₃ host lattice obtained from citrate precursors. <i>Materials Chemistry and Physics</i> , 2009, 113, 587-590.	2.0	47
44	Up-converter nanophosphor Y ₂ O ₂ S:Er,Yb aminofunctionalized containing or not spherical silica conjugated with BSA. <i>Journal of Luminescence</i> , 2009, 129, 1726-1730.	1.5	4
45	Europium Luminescent Polymeric Microspheres Fabricated by Spray Drying Process. <i>Journal of Fluorescence</i> , 2008, 18, 695-700.	1.3	8
46	A low-cost ultrasonic spray dryer to produce spherical microparticles from polymeric matrices. <i>Quimica Nova</i> , 2007, 30, 1744-1746.	0.3	20
47	Nanocrystalline RE ₂ O ₃ :Tm ³⁺ (RE: Gd ³⁺ , Y ³⁺) Blue Phosphors Synthesized via the Combustion Method. <i>Journal of Fluorescence</i> , 2006, 16, 411-421.	1.3	15
48	Er, Yb Doped Yttrium Based Nanosized Phosphors: Particle Size, Host Lattice and Doping Ion Concentration Effects on Upconversion Efficiency. <i>Journal of Fluorescence</i> , 2006, 16, 461-468.	1.3	65
49	Synthesis, structural and morphological characterization of CeO ₂ -ZnO nanosized powder systems from Pechini's method. <i>Eletica Quimica</i> , 2005, 30, 59-64.	0.2	13
50	Morphological and luminescent studies on nanosized Er, Yb-Yttrium oxide up-converter prepared from different precursors. <i>Journal of Luminescence</i> , 2005, 113, 174-182.	1.5	57
51	Low-temperature upconversion spectroscopy of nanosized Y ₂ O ₃ :Er,Yb phosphor. <i>Journal of Applied Physics</i> , 2005, 98, 063529.	1.1	70
52	Morphological study of Sr ₂ CeO ₄ blue phosphor with fine particles. <i>Quimica Nova</i> , 2004, 27, 706-708.	0.3	22
53	Characterization and spectroscopic studies of Eu ³⁺ complexes with 3-phenyl-2,4-pentanedione. <i>Journal of Alloys and Compounds</i> , 2004, 374, 151-153.	2.8	17
54	Luminescent and morphological studies of Tm-doped Lu ₃ Al ₅ O ₁₂ and Y ₃ Al ₅ O ₁₂ fine powders for scintillator detector application. <i>Journal of Alloys and Compounds</i> , 2004, 374, 169-172.	2.8	30

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55	Yttrium oxysulfide nanosized spherical particles doped with Yb and Er or Yb and Tm: efficient materials for up-converting phosphor technology field. <i>Journal of Alloys and Compounds</i> , 2004, 374, 181-184.	2.8	58
56	Solvothermal method to obtain europium-doped yttrium oxide. <i>Journal of Solid State Chemistry</i> , 2003, 171, 268-272.	1.4	56
57	New X-ray powder diffraction data and Rietveld refinement for Gd ₂ O ₃ monodispersed fine spherical particles. <i>Journal of Solid State Chemistry</i> , 2003, 171, 420-423.	1.4	38
58	The effect of Eu ³⁺ ion doping concentration in Gd ₂ O ₃ fine spherical particles. <i>Journal of Alloys and Compounds</i> , 2002, 344, 276-279.	2.8	62
59	Characterization and spectroscopic studies of Eu ³⁺ and Tb ³⁺ complexes with 2,2'-bipyridine-4,4'-dicarboxylic acid. <i>Journal of Alloys and Compounds</i> , 2002, 344, 285-288.	2.8	25
60	Influence of Zn ²⁺ co-doping ion on Eu ³⁺ +O ²⁻ associate luminescence in Sr ₂ SiO ₄ . <i>Journal of Alloys and Compounds</i> , 2002, 344, 312-315.	2.8	22
61	Time-resolved spectroscopy studies of Gd ₂ SiO ₅ :Ce ³⁺ from spherical particles. <i>Journal of Alloys and Compounds</i> , 2002, 344, 323-326.	2.8	16
62	Luminescência azul preparado a partir do material de combustão. <i>Ecletica Quimica</i> , 2002, 27, 187-196.	0.2	4
63	Estudo da decomposição térmica de oxalato de estrôncio dopado com cério(III) como precursor de materiais luminescentes. <i>Ecletica Quimica</i> , 2002, 27, 315-328.	0.2	3
64	Eu ³⁺ as a spectroscopic probe in phosphors based on spherical fine particle gadolinium compounds. <i>Solid State Sciences</i> , 2001, 3, 785-790.	0.8	57
65	Luminescence of Europium(III) and Manganese(II) in Barium and Zinc Orthosilicate. <i>Chemistry of Materials</i> , 2001, 13, 21-27.	3.2	288
66	Thermal decomposition and rehydration of strontium oxalate: morphological evolution. <i>Solid State Sciences</i> , 2001, 3, 443-452.	0.8	28
67	Morfologia e cristalinidade de hidroxicarbonato de zinco obtido via precipitação homogênea: influência dos ânions cloreto e nitrato. <i>Quimica Nova</i> , 2000, 23, 627-631.	0.3	7
68	Eu ³⁺ +O ²⁻ associates luminescence in Ba ₂ SiO ₄ . <i>Journal of Luminescence</i> , 1997, 72-74, 244-246.	1.5	35
69	Modelo Team Based Learning no ensino e aprendizagem de Química Inorgânica aplicada. <i>Revista Docência Do Ensino Superior</i> , 0, 10, 1-32.	0.1	0