

Sidney A Lourenço

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2593095/publications.pdf>

Version: 2024-02-01

42
papers

628
citations

567281

15
h-index

642732

23
g-index

42
all docs

42
docs citations

42
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of order-disorder effects on the magnetic and optical properties of NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2018, 44, 17290-17297.	4.8	81
2	A sensitive electrochemical sensor for Pb ²⁺ ions based on ZnO nanofibers functionalized by L-cysteine. <i>Journal of Molecular Liquids</i> , 2020, 309, 113041.	4.9	45
3	Eu ³⁺ photoluminescence enhancement due to thermal energy transfer in Eu ₂ O ₃ -doped SiO ₂ -B ₂ O ₃ -PbO glasses system. <i>Journal of Luminescence</i> , 2011, 131, 850-855.	3.1	43
4	Mn concentration-dependent tuning of Mn ²⁺ d emission of Zn _{1-x} Mn _x Te nanocrystals grown in a glass system. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6069-6076.	2.8	31
5	Thermal activated energy transfer between luminescent states of Mn ²⁺ -doped ZnTe nanoparticles embedded in a glass matrix. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3520.	2.8	29
6	Fluorescence quantum efficiency dependent on the concentration of Nd ³⁺ doped phosphate glass. <i>Chemical Physics Letters</i> , 2012, 547, 38-41.	2.6	28
7	Magneto-optical properties of Cd _{1-x} Mn _x S nanoparticles: influences of magnetic doping, Mn ²⁺ ions localization, and quantum confinement. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3248.	2.8	27
8	High Quantum Efficiency of Nd ³⁺ Ions in a Phosphate Glass System using the Judd-Ofelt Theory. <i>Brazilian Journal of Physics</i> , 2013, 43, 230-238.	1.4	27
9	Carrier dynamics in the luminescent states of Cd _{1-x} Mn _x S nanoparticles: effects of temperature and x-concentration. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1493-1501.	2.8	25
10	Growth kinetic on the optical properties of the Pb _{1-x} Mn _x Se nanocrystals embedded in a glass matrix: thermal annealing and Mn ²⁺ concentration. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11040.	2.8	23
11	Concentration effect on the optical and magnetic properties of Co ²⁺ -doped Bi ₂ S ₃ semimagnetic nanocrystals growth in glass matrix. <i>Journal of Alloys and Compounds</i> , 2018, 740, 974-979.	5.5	22
12	Influence of crystal field potential on the spectroscopic parameters of SiO ₂ -B ₂ O ₃ -PbO glass doped with Nd ₂ O ₃ . <i>Journal of Luminescence</i> , 2011, 131, 1029-1036.	3.1	19
13	Fast and Low-Cost Synthesis of MoS ₂ Nanostructures on Paper Substrates for Near-Infrared Photodetectors. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1234.	2.5	19
14	Structural and Optical Properties of Co ²⁺ -Doped PbSe Nanocrystals in Chalcogenide Glass Matrix. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13277-13282.	3.1	18
15	Tunable dual emission in visible and near-infrared spectra using Co ²⁺ -doped PbSe nanocrystals embedded in a chalcogenide glass matrix. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23036-23043.	2.8	17
16	Luminescence in semimagnetic Pb _{1-x} Mn _x Se quantum dots grown in a glass host: Radiative and nonradiative emission processes. <i>Chemical Physics Letters</i> , 2013, 567, 23-26.	2.6	14
17	Effect of intermediate phases on the optical properties of Pb ₂ -rich CH ₃ NH ₃ Pb ₃ organic-inorganic hybrid perovskite. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5253-5261.	2.8	14
18	Interdot carrier transfer in semimagnetic Pb _{1-x} Mn _x Se nanocrystals embedded in oxide glass. <i>Journal of Luminescence</i> , 2010, 130, 2118-2122.	3.1	13

#	ARTICLE	IF	CITATIONS
19	Effect of Co co-doping on the optical properties of ZnTe:Mn nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1158-1166.	2.8	11
20	Study of the optical and structural properties of the phosphate glass doped with CdS nanocrystals and co-doped with Nd ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158126.	5.5	11
21	Investigation of the physical properties of new PZT modified tellurium oxide (TeO ₂ -B ₂ O ₃ -PbO ₂ : TBP) glasses. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2350-2354.	3.1	10
22	Effect of thermal annealing and sp-d exchange interaction in the optical properties of Mn ²⁺ -doped PbS nanocrystals embedded in a glass matrix. <i>Journal of Luminescence</i> , 2020, 222, 117144.	3.1	10
23	Incorporation of nanomaterials on the electrospun membrane process with potential use in water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126775.	4.7	10
24	Application of heterostructured CdS/ZnS quantum dots as luminescence down-shifting layer in P3HT:PCBM solar cells. <i>Journal of Luminescence</i> , 2021, 237, 118178.	3.1	10
25	Evidence of phase transition in Nd ³⁺ -doped phosphate glass determined by thermal lens spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1583-1589.	2.8	9
26	Thermal window of constant luminescence quantum efficiency of Nd ³⁺ -doped phosphate glass. <i>Journal of Luminescence</i> , 2016, 180, 81-87.	3.1	8
27	Annealing time on carrier dynamics of ZnTe nanoparticles embedded in a near ultraviolet-transparent glass. <i>Chemical Physics Letters</i> , 2014, 599, 146-153.	2.6	7
28	Investigation of structural and optical properties of Pb _{1-x} CoxS nanocrystals embedded in chalcogenide glass. <i>Materials Chemistry and Physics</i> , 2021, 269, 124766.	4.0	7
29	Characterization of digital textile printing and polymer blend (PFO-DMP:P3HT) for application in manufacture of organic diodes emitting white light "WOLEDs". <i>Optical Materials</i> , 2016, 62, 119-131.	3.6	6
30	Comparison of some theoretical models for fittings of the temperature dependence of the fundamental energy gap in GaAs. <i>Brazilian Journal of Physics</i> , 2010, 40, 15-21.	1.4	5
31	Efficient energy transfer mediated by intrinsic SiO ₂ nanocrystals in Eu ³⁺ -doped lead borosilicate glasses. <i>Materials Chemistry and Physics</i> , 2013, 139, 471-477.	4.0	5
32	Optical properties of Cr-doped Zn _{1-x} MnxTe semimagnetic nanocrystals. <i>Applied Physics Letters</i> , 2018, 112, 063102.	3.3	5
33	Analysis of confinement potential fluctuation and band-gap renormalization effects on excitonic transition in GaAs/AlGaAs multi-quantum wells grown on (100) and (311)A GaAs surfaces. <i>Physica B: Condensed Matter</i> , 2012, 407, 2131-2135.	2.7	4
34	Electrospun fibers of poly (vinyl alcohol): zinc acetate (PVA:AcZn) and further ZnO production: evaluation of PVA:AcZn ratio and annealing temperature effects on ZnO structure. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	4
35	Design experiment (parameters) applied to PEDOT: PSS/AgNW composite doped with EG for transparent conductive films. <i>Journal of Molecular Liquids</i> , 2021, 329, 115516.	4.9	3
36	Hydroxyapatite-coated liposomes for the controlled release of quantum dots and bupivacaine. <i>Journal of Materials Research</i> , 2021, 36, 3021-3030.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Effects of temperature on transition energies of GaAsSbN/GaAs single quantum wells. Journal of Physics Condensed Matter, 2011, 23, 325801.	1.8	2
38	Surface Engineering in Alloyed CdSe/Cd _x S _{1-x} /CdS Core-Shell Colloidal Quantum Dots for Enhanced Optoelectronic Applications. Engineering Materials, 2020, , 189-205.	0.6	2
39	Effects of confinement on the electron-phonon interaction in Al _{0.18} Ga _{0.82} As/GaAs quantum wells. Journal of Physics Condensed Matter, 2009, 21, 155601.	1.8	1
40	Fluorescence quantum efficiency dependent on the concentration of Nd ³⁺ -doped phosphate glass. , 2013, , .		0
41	Study of the thermal-optics parameters of Nd ³⁺ -doped phosphate glass as a function of temperature. Proceedings of SPIE, 2017, , .	0.8	0
42	Optical Properties of Semiconductor Nanocrystals into the Glass and Colloidal Environments for New Technological Applications. , 2017, , 155-175.		0