

Petrus A Santa-Cruz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8366364/publications.pdf>

Version: 2024-02-01

34
papers

2,429
citations

471509

17
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

2480
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step electrosynthesis of CdS quantum dots stabilized by babassu oil and luminescent films deposited by DoD technology. <i>Materials Chemistry and Physics</i> , 2019, 237, 121832.	4.0	3
2	Printable nanocomposites of polymers and silver nanoparticles for antibacterial devices produced by DoD technology. <i>PLoS ONE</i> , 2018, 13, e0200918.	2.5	16
3	Hydraulic retention time influence on azo dye and sulfate removal during the sequential anaerobic-aerobic treatment of real textile wastewater. <i>Water Science and Technology</i> , 2017, 76, 3319-3327.	2.5	26
4	Lead-germanate glasses: an easy growth process for silver nanoparticles and their promising applications in photonics and catalysis. <i>RSC Advances</i> , 2017, 7, 41479-41485.	3.6	24
5	Printable UV personal dosimeter: sensitivity as a function of DoD parameters and number of layers of a functional photonic ink. <i>Materials Research Express</i> , 2016, 3, 045701.	1.6	8
6	Applications, composites, and devices: general discussion. <i>Faraday Discussions</i> , 2014, 173, 429-443.	3.2	5
7	Luminescence enhancement by gamma irradiation of nanocomposites for UV dosimetry devices. <i>Radiation Measurements</i> , 2014, 71, 201-204.	1.4	6
8	Hybrid assembly of double nanofilm as active media for photonic devices. <i>Journal of Luminescence</i> , 2013, 136, 172-177.	3.1	8
9	Physico-Chemical Characteristics and Functional Properties of Chitin and Chitosan Produced by <i>Mucor circinelloides</i> Using Yam Bean as Substrate. <i>Molecules</i> , 2011, 16, 7143-7154.	3.8	43
10	Eu ²⁺ -diketonate complex OLED as UV portable dosimeter. <i>Synthetic Metals</i> , 2011, 161, 964-968.	3.9	37
11	Model-free kinetics applied for the removal of CTMA ⁺ and TPA ⁺ of the nanostructured hybrid ALMCM-41/ZSM-5 material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 767-771.	3.6	6
12	Thermal decomposition of lanthanide(III) complexes with 4,4,4-trifluoro-1-phenyl-1,3-butanedione. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 887-891.	3.6	5
13	Production and characterization of pure and Cr ³⁺ -doped hydroxyapatite for biomedical applications as fluorescent probes. <i>Journal of Materials Science</i> , 2007, 42, 2236-2243.	3.7	33
14	Silver Diffusion and Clustering in Oxyfluoride Glasses Investigated by Molecular Dynamics Simulations. <i>Journal of Computer-Aided Materials Design</i> , 2006, 12, 101-110.	0.7	5
15	Luminescence enhancement of Pb ²⁺ ions in TeO ₂ -PbO-GeO ₂ glasses containing silver nanostructures. <i>Journal of Applied Physics</i> , 2006, 99, 123522.	2.5	62
16	A fluorescent-labeled microcystin-LR terbium cryptate. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 243-250.	0.6	6
17	Enhancement of Pr ³⁺ luminescence in PbO-GeO ₂ glasses containing silver nanoparticles. <i>Applied Physics Letters</i> , 2005, 87, 241914.	3.3	135
18	Atomic force microscopy—a visual probe to characterize nanodosimetric devices. <i>Materials Characterization</i> , 2003, 50, 109-116.	4.4	7

#	ARTICLE	IF	CITATIONS
19	Kinetic study of the thermal decomposition of Eu ³⁺ with β^2 -diketone ligands and 1,10-phenanthroline or 2,2-dipyridine. Journal of Alloys and Compounds, 2002, 344, 101-104.	5.5	15
20	White light simulation by up-conversion in fluoride glass host. Journal of Alloys and Compounds, 2002, 344, 260-263.	5.5	62
21	Molecular UV dosimeters of lanthanide complex thin films: AFM as a function of ultraviolet exposure. Journal of Alloys and Compounds, 2002, 344, 385-388.	5.5	24
22	Red, green and blue light generation in fluoride glasses controlled by double excitation. Journal of Alloys and Compounds, 2001, 323-324, 336-339.	5.5	34
23	Spectroscopic properties and design of highly luminescent lanthanide coordination complexes. Coordination Chemistry Reviews, 2000, 196, 165-195.	18.8	1,417
24	Gera \tilde{c} o e controle das cores luz prim \tilde{a} rias em vidros para dispositivos "full color". Quimica Nova, 1998, 21, 372-373.	0.3	7
25	Full-color simulation in a multi-doped glass and controlled quenching of luminescence using Er (III) as a suppressor for a tunable device. Journal of Luminescence, 1997, 72-74, 270-272.	3.1	12
26	Raman and spectroscopic studies of the early steps of crystallization in ZrF ₄ -LaF ₃ -AlF ₃ -ErF ₃ glass. Journal of Non-Crystalline Solids, 1996, 204, 188-195.	3.1	17
27	A new Er ³⁺ -doped vitreous fluoride amplification medium with crystal-like cross-sections and reduced inhomogeneous line width. Optical Materials, 1996, 5, 75-78.	3.6	47
28	New lanthanide-doped fluoride-based vitreous materials for laser applications. Journal of Non-Crystalline Solids, 1995, 190, 238-243.	3.1	25
29	Synthesis and microstructural studies of Er ³⁺ -doped fluorozirconate devitrified glasses. Journal of Non-Crystalline Solids, 1993, 161, 70-76.	3.1	6
30	Up-conversion yield in glass ceramics containing silver. Journal of Solid State Chemistry, 1987, 68, 314-319.	2.9	27
31	Fluorescence enhancement induced by the presence of small silver particles in Eu ³⁺ doped materials. Journal of Luminescence, 1985, 33, 261-272.	3.1	242
32	Time evolution of the decay of the 5D ₀ level of Eu ³⁺ in glass materials doped with small silver particles. Chemical Physics Letters, 1985, 116, 396-399.	2.6	24
33	1.5 μ m high detectivity quantum counter by energy transfers in diode pumped glassceramics. Revue De Physique Appliqu \tilde{e} , 1985, 20, 273-281.	0.4	29
34	Reasons and implications of retracted articles in Brazil. Transinformacao, 0, 33, .	0.2	6