

Nilo F Cano

List of Publications by Year in descending order

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docs citations

48
times ranked

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#	ARTICLE	IF	CITATIONS
1	Thermoluminescence and electron paramagnetic resonance correlation studies in lithium silicate phosphor. <i>Solid State Sciences</i> , 2022, 123, 106777.	3.2	5
2	Identification of ESR centers and their role in the TL of natural salt from Lluta, Peru. <i>Applied Radiation and Isotopes</i> , 2022, 182, 110126.	1.5	3
3	Effect of annealing temperature on the structural, thermoluminescent, and optical properties of naturally present salt from Lluta region of Peru. <i>Optical Materials</i> , 2022, 126, 112215.	3.6	2
4	EPR response of anhydrite crystal (CaSO ₄) for dosimetry of gamma photon beams. <i>Radiation Physics and Chemistry</i> , 2021, 180, 109231.	2.8	2
5	OSL and EPR dating of shells and sediments from Congonhas II sambaqui, Santa Catarina, Brazil. <i>Radiation Physics and Chemistry</i> , 2020, 167, 108240.	2.8	2
6	Thermoluminescence and defect centers in $\text{I}^{2-}\text{CaSiO}_3$ polycrystal. <i>Journal of Luminescence</i> , 2020, 217, 116783.	3.1	7
7	Dating and determination of firing temperature of ancient potteries from Yumina archaeological site, Arequipa, Peru. <i>Applied Radiation and Isotopes</i> , 2020, 155, 108930.	1.5	8
8	Elucidation of the centers responsible for the TL peaks in the anhydrite crystal. <i>Journal of Luminescence</i> , 2020, 221, 117082.	3.1	4
9	Calculated and experimental response of calcium silicate polycrystalline to high and very-high neutron doses. <i>Radiation Physics and Chemistry</i> , 2020, 172, 108820.	2.8	4
10	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
11	Dating of carbonate covering cave paintings at peruañsu, Brazil by TL and EPR methods. <i>Applied Radiation and Isotopes</i> , 2019, 153, 108847.	1.5	5
12	Thermoluminescence and defect centers in synthetic diopside. <i>Journal of Luminescence</i> , 2019, 211, 314-319.	3.1	3
13	TL in green tourmaline: Study of the centers responsible for the TL emission by EPR analysis. <i>Journal of Luminescence</i> , 2019, 205, 324-328.	3.1	11
14	Dating volcanic ash and pumice stones from volcano El Misti, Peru, by thermoluminescence. <i>Quaternary International</i> , 2019, 512, 1-5.	1.5	3
15	Synthetic polycrystals of CaSiO ₃ un-doped and Cd, B, Dy, Eu-doped for gamma and neutron detection. <i>Journal of Luminescence</i> , 2018, 201, 5-10.	3.1	10
16	Thermoluminescence in Lapis Lazuli crystal: Glow peaks and their connection with F-centers estimated by ESR analysis. <i>Journal of Luminescence</i> , 2017, 188, 472-477.	3.1	4
17	Thermoluminescence and optical absorption properties of glass from natural diopside and of synthetic diopside glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 456, 22-26.	3.1	2
18	Synthesis, thermoluminescence, defect center and dosimetric characteristics of LiF:Mg,Cu,P,Si phosphor. <i>Applied Radiation and Isotopes</i> , 2017, 130, 21-28.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Synthesis and Study of Fe-Doped Bi ₂ S ₃ Semimagnetic Nanocrystals Embedded in a Glass Matrix. <i>Molecules</i> , 2017, 22, 1142.	3.8	27
20	Dating stalagmite from Caverna do Diabo (Devil'S Cave) by TL and EPR techniques. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 2137-2142.	0.8	1
21	Centers responsible for the TL peaks of willemite mineral estimated by EPR analysis. <i>Journal of Luminescence</i> , 2016, 177, 139-144.	3.1	8
22	Effects of high-temperature annealing on ESR properties of solid solutions of garnet minerals. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 91, 158-162.	4.0	1
23	TL and EPR correlations in a quartz-like silicate mineral. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 80, 012013.	0.6	0
24	High- and very-high-dose dosimetry using silicate minerals. <i>Radiation Measurements</i> , 2015, 72, 66-69.	1.4	23
25	Dating and determination of firing temperature of ancient potteries from São Paulo II archaeological site, Brazil by TL and EPR techniques. <i>Journal of Cultural Heritage</i> , 2015, 16, 361-364.	3.3	21
26	Synthesis of diluted magnetic semiconductor Bi ₂ xMnxTe ₃ nanocrystals in a host glass matrix. <i>Journal of Alloys and Compounds</i> , 2015, 648, 778-782.	5.5	11
27	Archaeometric studies of ceramics from the São Paulo II archaeological site. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 306, 721-727.	1.5	5
28	Radiation dosimetry using decreasing TL intensity in a few variety of silicate crystals. <i>Applied Radiation and Isotopes</i> , 2015, 105, 119-122.	1.5	13
29	Study of luminescence, color and paramagnetic centers properties of albite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 471-476.	3.9	13
30	OSL and EPR dating of pottery from the archaeological sites in Amazon Valley, Brazil. <i>Quaternary International</i> , 2014, 352, 176-180.	1.5	10
31	Thermoluminescence in two varieties of jadeite: Irradiation effects and application to high dose dosimetry. <i>Radiation Measurements</i> , 2014, 71, 36-38.	1.4	13
32	Photoluminescence and Magnetism in Mn ²⁺ -Doped ZnO Nanostructures Grown Rapidly by the Microwave Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26222-26227.	3.1	50
33	TL dating of sediments from Ilha do Mel, Brazil. <i>Quaternary International</i> , 2013, 306, 137-145.	1.5	6
34	Point defects in calcite used to estimate the date of arrival of first settlers in central region of Brazil. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 268-271.	0.8	3
35	Comparative study of TL and EPR properties of four solid solutions of garnets. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 168-171.	0.8	0
36	Study of jadeite-like minerals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 242-245.	0.8	3

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37	Magnetic and optical investigation of $40\text{SiO}_2\text{-}30\text{Na}_2\text{O}\text{-}1\text{Al}_2\text{O}_3\text{-}(29\text{-}x)\text{B}_2\text{O}_3\text{-}x\text{Fe}_2\text{O}_3$ glass matrix. <i>Solid State Sciences</i> , 2012, 14, 1169-1174.	3.2	9
38	TL dating of pottery fragments from four archaeological sites in Taquari Valley, Brazil. <i>Radiation Effects and Defects in Solids</i> , 2012, 167, 947-953.	1.2	2
39	Effect of Fe_2O_3 concentration on the structure of the $\text{SiO}_2\text{-Na}_2\text{O-Al}_2\text{O}_3\text{-B}_2\text{O}_3$ glass system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 140-143.	3.9	69
40	Ab initio study of the electronic and optical properties of sillimanite (Al_2SiO_5) crystal. <i>Optical Materials</i> , 2011, 33, 1813-1816.	3.6	3
41	Mechanisms of TL for production of the 230°C peak in natural sodalite. <i>Journal of Luminescence</i> , 2011, 131, 165-168.	3.1	6
42	Electron paramagnetic resonance and the thermoluminescence emission mechanism of the 280°C peak in natural andalusite crystal. <i>Journal of Luminescence</i> , 2011, 131, 1545-1549.	3.1	2
43	First evidence of crystalline $\text{KHSO}_4\text{:Mn}$ grown by an aqueous solution method and the investigation of the effect of ionizing radiation exposure. <i>Journal of Crystal Growth</i> , 2010, 312, 563-567.	1.5	8
44	Electronic and optical properties of grossular garnet ($\text{Ca}_3\text{Al}_2\text{Si}_3\text{O}_{12}$): An ab initio study. <i>Optical Materials</i> , 2010, 32, 566-569.	3.6	7
45	The electronic and optical properties of sodalite from first principles. <i>Solid State Communications</i> , 2010, 150, 195-197.	1.9	6
46	Theoretical investigation of electronic and optical properties of andalusite within density functional theory. <i>Solid State Communications</i> , 2010, 150, 2154-2157.	1.9	2
47	Study of vibrational properties of $\text{Bi}_2\text{-}x\text{Mn}_x\text{Te}_3$ nanocrystals in host glass: Effect of x concentration. <i>Journal of Raman Spectroscopy</i> , 0, , .	2.5	5