Nilo F Cano

List of Publications by Year
in descending order

47	420	1040056 9	839539 18
papers	citations	h-index	g-index

48	48	48	450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Fe2O3 concentration on the structure of the SiO2â€“Na2Oâ€“Al2O3â€“B2O3 glass system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 140-143.	3.9	69
2	Photoluminescence and Magnetism in Mn²⁺-Doped ZnO Nanostructures Grown Rapidly by the Microwave Hydrothermal Method. Journal of Physical Chemistry C, 2013, 117, 26222-26227.	3.1	50
3	Synthesis and Study of Fe-Doped Bi2S3 Semimagnetic Nanocrystals Embedded in a Glass Matrix. Molecules, 2017, 22, 1142.	3.8	27
4	High- and very-high-dose dosimetry using silicate minerals. Radiation Measurements, 2015, 72, 66-69.	1.4	23
5	Dating and determination of firing temperature of ancient potteries from SÃ£o Paulo II archaeological site, Brazil by TL and EPR techniques. Journal of Cultural Heritage, 2015, 16, 361-364.	3.3	21
6	Thermoluminescence in two varieties of jadeite: Irradiation effects and application to high dose dosimetry. Radiation Measurements, 2014, 71, 36-38.	1.4	13
7	Radiation dosimetry using decreasing TL intensity in a few variety of silicate crystals. Applied Radiation and Isotopes, 2015, 105, 119-122.	1.5	13
8	Study of luminescence, color and paramagnetic centers properties of albite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 471-476.	3.9	13
9	Synthesis of diluted magnetic semiconductor Bi2â^'xMnxTe3 nanocrystals in a host glass matrix. Journal of Alloys and Compounds, 2015, 648, 778-782.	5.5	11
10	TL in green tourmaline: Study of the centers responsible for the TL emission by EPR analysis. Journal of Luminescence, 2019, 205, 324-328.	3.1	11
11	OSL and EPR dating of pottery from the archaeological sites in Amazon Valley, Brazil. Quaternary International, 2014, 352, 176-180.	1.5	10
12	Synthetic polycrystals of CaSiO3 un-doped and Cd, B, Dy, Eu-doped for gamma and neutron detection. Journal of Luminescence, 2018, 201, 5-10.	3.1	10
13	Effect of thermal annealing and sp-d exchange interaction in the optical properties of Mn2+-doped PbS nanocrystals embedded in a glass matrix. Journal of Luminescence, 2020, 222, 117144.	3.1	10
14	Magnetic and optical investigation of 40SiO2Â·30Na2OÂ·1Al2O3Â·(29Ââ^'Âx)B2O3Â·xFe2O3 glass matrix. Solid State Sciences, 2012, 14, 1169-1174.	3.2	9
15	First evidence of crystalline KHSO4:Mn grown by an aqueous solution method and the investigation of the effect of ionizing radiation exposure. Journal of Crystal Growth, 2010, 312, 563-567.	1.5	8
16	Centers responsible for the TL peaks of willemite mineral estimated by EPR analysis. Journal of Luminescence, 2016, 177, 139-144.	3.1	8
17	Synthesis, thermoluminescence, defect center and dosimetric characteristics of LiF:Mg,Cu,P,Si phosphor. Applied Radiation and Isotopes, 2017, 130, 21-28.	1.5	8
18	Dating and determination of firing temperature of ancient potteries from Yumina archaeological site, Arequipa, Peru. Applied Radiation and Isotopes, 2020, 155, 108930.	1.5	8

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19	Electronic and optical properties of grossular garnet (Ca3Al2Si3O12): An ab initio study. Optical Materials, 2010, 32, 566-569.	3.6	7
20	Thermoluminescence and defect centers in Î²-CaSiO3 polycrystal. Journal of Luminescence, 2020, 217, 116783.	3.1	7
21	The electronic and optical properties of sodalite from first principles. Solid State Communications, 2010, 150, 195-197.	1.9	6
22	Mechanisms of TL for production of the 230Â°C peak in natural sodalite. Journal of Luminescence, 2011, 131, 165-168.	3.1	6
23	TL dating of sediments from Ilha do Mel, Brazil. Quaternary International, 2013, 306, 137-145.	1.5	6
24	Archaeometric studies of ceramics from the SÃ£o Paulo II archaeological site. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 721-727.	1.5	5
25	Dating of carbonate covering cave paintings at peruaÃ§u, Brazil by TL and EPR methods. Applied Radiation and Isotopes, 2019, 153, 108847.	1.5	5
26	Study of vibrational properties of Bi 2â€‰â€™â€‰x Mn x Te 3 nanocrystals in host glass: Effect of xMnâ€concentration. Journal of Raman Spectroscopy, 0, , .	2.5	5
27	Thermoluminescence and electron paramagnetic resonance correlation studies in lithium silicate phosphor. Solid State Sciences, 2022, 123, 106777.	3.2	5
28	Thermoluminescence in Lapis Lazuli crystal: Glow peaks and their connection with F-centers estimated by ESR analysis. Journal of Luminescence, 2017, 188, 472-477.	3.1	4
29	Elucidation of the centers responsible for the TL peaks in the anhydride crystal. Journal of Luminescence, 2020, 221, 117082.	3.1	4
30	Calculated and experimental response of calcium silicate polycrystalline to high and very-high neutron doses. Radiation Physics and Chemistry, 2020, 172, 108820.	2.8	4
31	Ab initio study of the electronic and optical properties of sillimanite (Al2SiO5) crystal. Optical Materials, 2011, 33, 1813-1816.	3.6	3
32	Point defects in calcite used to estimate the date of arrival of first settlers in central region of Brazil. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 268-271.	0.8	3
33	Study of jadeiteâ€like minerals. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 242-245.	0.8	3
34	Thermoluminescence and defect centers in synthetic diopside. Journal of Luminescence, 2019, 211, 314-319.	3.1	3
35	Dating volcanic ash and pumice stones from volcano El Misti, Peru, by thermoluminescence. Quaternary International, 2019, 512, 1-5.	1.5	3
36	Identification of ESR centers and their role in the TL of natural salt from Lluta, Peru. Applied Radiation and Isotopes, 2022, 182, 110126.	1.5	3

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37	Theoretical investigation of electronic and optical properties of andalusite within density functional theory. Solid State Communications, 2010, 150, 2154-2157.	1.9	2
38	Electron paramagnetic resonance and the thermoluminescence emission mechanism of the 280Â°C peak in natural andalusite crystal. Journal of Luminescence, 2011, 131, 1545-1549.	3.1	2
39	TL dating of pottery fragments from four archaeological sites in Taquari Valley, Brazil. Radiation Effects and Defects in Solids, 2012, 167, 947-953.	1.2	2
40	Thermoluminescence and optical absorption properties of glass from natural diopside and of synthetic diopside glass. Journal of Non-Crystalline Solids, 2017, 456, 22-26.	3.1	2
41	OSL and EPR dating of shells and sediments from Congonhas II sambaqui, Santa Catarina, Brazil. Radiation Physics and Chemistry, 2020, 167, 108240.	2.8	2
42	EPR response of anhydrite crystal (CaSO4) for dosimetry of gamma photon beams. Radiation Physics and Chemistry, 2021, 180, 109231.	2.8	2
43	Effect of annealing temperature on the structural, thermoluminescent, and optical properties of naturally present salt from Lluta region of Peru. Optical Materials, 2022, 126, 112215.	3.6	2
44	Dating stalagmite from Caverna do Diabo (DevilÂ´S Cave) by TL and EPR techniques. Anais Da Academia Brasileira De Ciencias, 2016, 88, 2137-2142.	0.8	1
45	Effects of high-temperature annealing on ESR properties of solid solutions of garnet minerals. Journal of Physics and Chemistry of Solids, 2016, 91, 158-162.	4.0	1
46	Comparative study of TL and EPR properties of four solid solutions of garnets. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 168-171.	0.8	0
47	TL and EPR correlations in a quartz-like silicate mineral. IOP Conference Series: Materials Science and Engineering, 2015, 80, 012013.	0.6	0