Miguel A Vallejo

List of Publications by Year
in descending order

19 papers	126 citations	1307594 7 h-index	1372567 10 g-index
19 all docs	19 docs citations	19 times ranked	121 citing authors

#	Article	IF	Citations
1	Efficient hydrogen generation by ZnAl2O4 nanoparticles embedded on a flexible graphene composite. Renewable Energy, 2020, 152, 634-643.	8.9	15
2	Mn, Cu and Cr nanoparticles in Li2B4O7 glass: Radiation shielding and optical properties. Radiation Physics and Chemistry, 2022, 194, 110037.	2.8	15
3	Enhancing the photocatalytic degradation of ciprofloxacin contaminant using a combined laser irradiation (285/365Ânm) and porous g-C3N4. Materials Chemistry and Physics, 2020, 252, 123198.	4.0	10
4	Enhanced Near-Infrared Emission from Holmiumâ€“Ytterbium Co-Doped Phosphate Glasses Containing Silver Nanoparticles. Applied Spectroscopy, 2014, 68, 1247-1253.	2.2	9
5	Effect of europium concentration on the photoluminescent and thermoluminescent properties of HfO2:Eu3+ nanocrystals. Ceramics International, 2018, 44, 8081-8086.	4.8	9
6	Synthesis of high quality PbS colloidal quantum dots by ultrasonic bath as photosensitizers in a TiO2 solar cell. Journal of Solid State Chemistry, 2020, 292, 121720.	2.9	8
7	Effect of Crystal Size and Ag Concentration on the Thermoluminescent Response of Pure and Ag-Doped LiF Cubes. Nano, 2016, 11, 1650041.	1.0	7
8	Thermoluminescent response and kinetic parameters of Eu3+-doped LiF crystals exposed to X-rays. Journal of Luminescence, 2017, 182, 160-165.	3.1	7
9	Enhancing the Nonlinear Optical Properties of Lithium Tetraborate Glass Using Rare Earth Elements and Silver Nanoparticles. Nano, 2020, 15, 2050064.	1.0	7
10	Photoluminescence and Thermoluminescence of Phosphate Glasses Doped with Dy3+ and Containing Silver Nanoparticles. Nano, 2017, 12, 1750145.	1.0	7
11	Enhancing the photoluminescence and thermoluminescence emission of cyanuric acid with Eu3+ dopant for UV radiation detection. Journal of Luminescence, 2019, 215, 116673.	3.1	6
12	Silver Nanoparticles Enhance Thermoluminescence and Photoluminescence Response in Li2B4O7 Glass Doped with Dy3+ and Yb3+. Journal of Fluorescence, 2020, 30, 143-150.	2.5	6
13	Hybridization bond states and band structure of graphene: a simple approach. European Journal of Physics, 2022, 43, 045401.	0.6	6
14	Mammalian cells exposed to ionizing radiation: Structural and biochemical aspects. Applied Radiation and Isotopes, 2016, 108, 12-15.	1.5	5
15	Effect of Synthesis Temperature on Morphological and Luminescent Properties of Lithium Fluoride Crystals. Journal of Nanoscience and Nanotechnology, 2017, 17, 5612-5616.	0.9	4
16	Li2B4O7 glass exhibits photo-darkening suppression due to copper nanoparticles. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	2
17	Dosimetric analysis of graphitic carbon nitride quantum dots exposed to a gamma radiation for a low-dose applications. Applied Radiation and Isotopes, 2022, 184, 110200.	1.5	2
18	Thermoluminescence of Cu-Doped Li₂B₄O7+PTFE Annealed by Graphene Exposed to X-Rays and Gamma Radiation. Journal of Molecular and Engineering Materials, 2020, 08, .	1.8	1

#	Article	IF	Citations
19	Fluorescent organic particle doped polymer-based gel dosimeter for neutron detection. Applied Radiation and Isotopes, 2022, 180, 110067.	1.5	0