

Elaine C Paris

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,422
citations

201385

27
h-index

223531

46
g-index

82
all docs

82
docs citations

82
times ranked

2799
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Nb ₂ O ₅ nanoparticles through the oxidant peroxide method applied to organic pollutant photodegradation: A mechanistic study. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 800-808.	10.8	202
2	Structural and optical properties of CaTiO ₃ perovskite-based materials obtained by microwave-assisted hydrothermal synthesis: An experimental and theoretical insight. <i>Acta Materialia</i> , 2009, 57, 5174-5185.	3.8	194
3	Photoluminescence of disordered ABO ₃ perovskites. <i>Applied Physics Letters</i> , 2000, 77, 824-826.	1.5	171
4	Hierarchical Assembly of CaMoO ₄ Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5207-5219.	1.5	130
5	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. <i>Advanced Powder Technology</i> , 2010, 21, 197-202.	2.0	110
6	Photoluminescence behavior in MgTiO ₃ powders with vacancy/distorted clusters and octahedral tilting. <i>Materials Chemistry and Physics</i> , 2009, 117, 192-198.	2.0	96
7	Polyethylene Films Containing Silver Nanoparticles for Applications in Food Packaging: Characterization of Physico-Chemical and Anti-Microbial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2148-2156.	0.9	67
8	The role of the Eu ³⁺ ions in structure and photoluminescence properties of SrBi ₂ Nb ₂ O ₉ powders. <i>Optical Materials</i> , 2009, 31, 995-999.	1.7	59
9	Amorphous lead titanate: a new wide-band gap semiconductor with photoluminescence at room temperature. <i>Advanced Materials for Optics and Electronics</i> , 2000, 10, 235-240.	0.6	58
10	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O ₃ thin films. <i>Acta Materialia</i> , 2007, 55, 6416-6426.	3.8	57
11	Photoactivity of N-doped ZnO nanoparticles in oxidative and reductive reactions. <i>Applied Surface Science</i> , 2018, 433, 879-886.	3.1	51
12	Structural evolution of Eu-doped hydroxyapatite nanorods monitored by photoluminescence emission. <i>Journal of Alloys and Compounds</i> , 2012, 531, 50-54.	2.8	50
13	Synthesis of (Ca,Nd)TiO ₃ powders by complex polymerization, Rietveld refinement and optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 1050-1059.	2.0	48
14	Correlation among Order-Disorder, Electronic Levels, and Photoluminescence in Amorphous CT:Sm. <i>Chemistry of Materials</i> , 2006, 18, 2904-2911.	3.2	47
15	Improving the electrochemical properties of polyamide 6/polyaniline electrospun nanofibers by surface modification with ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 73875-73881.	1.7	44
16	Synthesis of PbTiO ₃ by use of polymeric precursors. <i>Materials Letters</i> , 1998, 37, 1-5.	1.3	43
17	The role of structural order-disorder for visible intense photoluminescence in the BaZr _{0.5} Ti _{0.5} O ₃ thin films. <i>Chemical Physics</i> , 2005, 316, 260-266.	0.9	38
18	Correlation Between Photoluminescence and Structural Defects in Ca _{1-x} Cu _x TiO ₃ Systems. <i>Journal of the American Ceramic Society</i> , 2013, 96, 209-217.	1.5	37

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19	Electrospun poly(lactic acid) nanofibers loaded with silver sulfadiazine/[Mg ²⁺ /Al ³⁺]-layered double hydroxide as an antimicrobial wound dressing. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1377-1387.	1.6	37
20	Photoluminescent behavior of SrBi ₂ Nb ₂ O ₉ powders explained by means of β -Bi ₂ O ₃ phase. <i>Applied Physics Letters</i> , 2007, 90, 261913.	1.5	34
21	The origin of photoluminescence in amorphous lead titanate. <i>Journal of Materials Science</i> , 2003, 38, 1175-1178.	1.7	33
22	Layer-by-layer fabrication of AgCl@PANI hybrid nanocomposite films for electronic tongues. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24275-24281.	1.3	33
23	Investigation on the structural properties in Er-doped PbTiO ₃ compounds: A correlation between experimental and theoretical results. <i>Journal of Alloys and Compounds</i> , 2008, 462, 157-163.	2.8	32
24	Nanoimmobilization of β -glucosidase onto hydroxyapatite. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 1042-1051.	3.6	32
25	Faujasite zeolite decorated with cobalt ferrite nanoparticles for improving removal and reuse in Pb ²⁺ ions adsorption. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1884-1890.	1.7	31
26	Evaluation of Photocatalytic Activity in Water Pollutants and Cytotoxic Response of β -Fe ₂ O ₃ Nanoparticles. <i>ACS Omega</i> , 2019, 4, 17477-17486.	1.6	29
27	Er ³⁺ as marker for order-disorder determination in the PbTiO ₃ system. <i>Chemical Physics</i> , 2007, 335, 7-14.	0.9	28
28	Prozac [®] photodegradation mediated by Mn-doped TiO ₂ nanoparticles: Evaluation of by-products and mechanisms proposal. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104543.	3.3	28
29	Photoluminescence in disordered Sm-doped PbTiO ₃ : Experimental and theoretical approach. <i>Journal of Applied Physics</i> , 2006, 100, 034917.	1.1	26
30	Fabrication of zinc oxide nanowires/polymer composites by two-photon polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 333-337.	2.4	26
31	Thermal analysis applied in the crystallization study of SrSnO ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 179-183.	2.0	25
32	Photocatalytic degradation of Prozac [®] mediated by TiO ₂ nanoparticles obtained via three synthesis methods: sonochemical, microwave hydrothermal, and polymeric precursor. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27032-27047.	2.7	23
33	Production of heterostructured TiO ₂ /WO ₃ Nanoparticulated photocatalysts through a simple one pot method. <i>Ceramics International</i> , 2015, 41, 3502-3510.	2.3	22
34	Hydroxyapatite-CoFe ₂ O ₄ Magnetic Nanoparticle Composites for Industrial Enzyme Immobilization, Use, and Recovery. <i>ACS Applied Nano Materials</i> , 2020, 3, 12334-12345.	2.4	22
35	Potential of Nb ₂ O ₅ nanofibers in photocatalytic degradation of organic pollutants. <i>Environmental Science and Pollution Research</i> , 2021, 28, 69401-69415.	2.7	22
36	Direct Amorphous to Cubic Perovskite Phase Transformation for Lead Titanate. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1539-1541.	1.9	20

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37	Effect of tungsten doping on the structural, morphological and bactericidal properties of nanostructured CuO. PLoS ONE, 2020, 15, e0239868.	1.1	20
38	BaZrO ₃ photoluminescence property: An ab initio analysis of structural deformation and symmetry changes. International Journal of Quantum Chemistry, 2011, 111, 694-701.	1.0	19
39	Photoluminescence properties of PZT 52/48 synthesized by microwave hydrothermal method using PVA with template. Journal of Luminescence, 2012, 132, 46-50.	1.5	19
40	Photoluminescent Properties of Nanorods and Nanoplates Y ₂ O ₃ :Eu ³⁺ . Journal of Fluorescence, 2011, 21, 1431-1438.	1.3	18
41	Investigation of nanotoxicological effects of nanostructured hydroxyapatite to microalgae Pseudokirchneriella subcapitata. Ecotoxicology and Environmental Safety, 2017, 144, 138-147.	2.9	18
42	Structural deformation monitored by vibrational properties and orbital modeling in (Pb,Sm)TiO ₃ systems. Journal of Physics and Chemistry of Solids, 2010, 71, 12-17.	1.9	17
43	Nb ₂ O ₅ nanoparticles decorated with magnetic ferrites for wastewater photocatalytic remediation. Environmental Science and Pollution Research, 2021, 28, 23731-23741.	2.7	17
44	CuO nanoparticles decorated on hydroxyapatite/ferrite magnetic support: photocatalysis, cytotoxicity, and antimicrobial response. Environmental Science and Pollution Research, 2022, 29, 41505-41519.	2.7	17
45	NIOBIUM OXIDES: AN OVERVIEW OF THE SYNTHESIS OF Nb ₂ O ₅ AND ITS APPLICATION IN HETEROGENEOUS PHOTOCATALYSIS. Quimica Nova, 2014, , .	0.3	16
46	Immobilization of phytase on zeolite modified with iron(II) for use in the animal feed and food industry sectors. Process Biochemistry, 2021, 100, 260-271.	1.8	16
47	PANI Conductivity: A Dependence of the Chemical Synthesis Temperature. Macromolecular Symposia, 2012, 319, 48-53.	0.4	15
48	Functionalized faujasite zeolite immobilized on poly(lactic acid) composite fibers to remove dyes from aqueous media. Journal of Applied Polymer Science, 2020, 137, 48561.	1.3	15
49	Hydrothermal synthesis and photocatalytic properties of anatase TiO ₂ nanocrystals obtained from peroxytitanium complex precursor. Materials Science in Semiconductor Processing, 2014, 25, 320-329.	1.9	14
50	Prozac® removal promoted by HAP:Nb ₂ O ₅ nanoparticles system: by-products, mechanism, and cytotoxicity assessment. Journal of Environmental Chemical Engineering, 2021, 9, 104820.	3.3	14
51	The Effect of ZnO Nanoparticles Morphology on the Toxicity Towards Microalgae Pseudokirchneriella subcapitata. Journal of Nanoscience and Nanotechnology, 2020, 20, 48-63.	0.9	13
52	Evaluation of the catalytic activity of oxide nanoparticles synthesized by the polymeric precursor method on biodiesel production. Journal of Materials Research, 2012, 27, 3020-3026.	1.2	12
53	Morphological and Structural changes of Ca _x Sr _{1-x} TiO ₃ Powders Obtained by the Microwave-Assisted Hydrothermal Method. International Journal of Applied Ceramic Technology, 2012, 9, 186-192.	1.1	12
54	Starch:Pectin Acidic Sachets Development for Hydroxyapatite Nanoparticles Storage to Improve Phosphorus Release. Journal of Polymers and the Environment, 2019, 27, 794-802.	2.4	12

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55	Topotatic-Like Phase Transformation of Amorphous Lead Titanate to Cubic Lead Titanate. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2166-2170.	1.9	11
56	Formation of β -nickel hydroxide plate-like structures under mild conditions and their optical properties. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2818-2823.	1.4	11
57	Zinc oxide pieces obtained by pressing and slip casting: physical, structural and photocatalytic properties. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1861-1873.	1.2	11
58	Structural Order–Disorder Transformations Monitored by X-ray Diffraction and Photoluminescence. <i>Journal of Chemical Education</i> , 2007, 84, 814.	1.1	10
59	Insight into magnetite nanoparticle phase evolution in solvothermal synthesis through a simple method based on iron chloride and metallic iron. <i>RSC Advances</i> , 2014, 4, 53265-53272.	1.7	9
60	Preparation and Application of Nb ₂ O ₅ Nanofibers in CO ₂ Photoconversion. <i>Nanomaterials</i> , 2021, 11, 3268.	1.9	9
61	Solvent effect on the optimization of 1.54 μ m emission in Er-doped Y ₂ O ₃ –Al ₂ O ₃ –SiO ₂ powders synthesized by a modified Pechini method. <i>Current Applied Physics</i> , 2013, 13, 1558-1565.	1.1	7
62	Jahn–Teller effect on the structure of the Sm-doped PbTiO ₃ : A theoretical approach. <i>Computational and Theoretical Chemistry</i> , 2007, 813, 33-37.	1.5	6
63	Photoactivity of TiO ₂ nanoparticles covered with nitro group in Fluoxetine and Rhodamine-B degradation. , 0, 205, 252-263.		6
64	Obtención de muestras de NiO a bajo costo. <i>Revista UIS Ingenierías</i> , 2019, 18, 33-37.	0.1	5
65	Recent Advances in the Application of Nanotechnology to Reduce Fruit and Vegetable Losses During Post-Harvest. <i>Brazilian Journal of Physics</i> , 2022, 52, .	0.7	5
66	Influence of pH on the incorporation and growth of Pb ₂ CrO ₅ crystallites in silica matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 59, 488-494.	1.1	4
67	Structural evolution, optical properties, and photocatalytic performance of copper and tungsten heterostructure materials. <i>Materials Today Communications</i> , 2021, 26, 101886.	0.9	4
68	Influence of the synthesis method on CuWO ₄ nanoparticles for photocatalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1139-1149.	1.1	4
69	ZnO semiconductors obtained by slip casting: Application and reuse in photocatalysis. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 622-630.	1.1	4
70	Influence of terbium (III) ions on the photocatalytic activity of TiO ₂ and CeO ₂ for the degradation of methylene blue in industrial effluents. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27147-27161.	2.7	4
71	Thermal and structural characterization of SrTi _{1-x} NdxO ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 559-564.	2.0	3
72	Pure and Gd doped LAMOX powders and thin films obtained by chemical route. <i>Materials Science and Technology</i> , 2009, 25, 1346-1350.	0.8	3

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73	Reply to "Comment on $\hat{\epsilon}$ " $\langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \text{Pb} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \rangle \rangle \rangle$		

