

Ingrid Tã;vora Weber

List of Publications by Year in descending order

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65
papers

1,738
citations

304368

22
h-index

288905

40
g-index

66
all docs

66
docs citations

66
times ranked

2431
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Method to Control Particle Size and Particle Size Distribution of SnO ₂ Nanoparticles for Gas Sensor Applications. <i>Advanced Materials</i> , 2000, 12, 965-968.	11.1	352
2	Development of Metal Oxide Nanoparticles with High Stability Against Particle Growth Using a Metastable Solid Solution. <i>Advanced Materials</i> , 2002, 14, 905.	11.1	133
3	Synthesis and characterization of the NiAl ₂ O ₄ , CoAl ₂ O ₄ and ZnAl ₂ O ₄ spinels by the polymeric precursors method. <i>Journal of Alloys and Compounds</i> , 2009, 483, 453-455.	2.8	102
4	High Photoluminescent Metal-Organic Frameworks as Optical Markers for the Identification of Gunshot Residues. <i>Analytical Chemistry</i> , 2011, 83, 4720-4723.	3.2	67
5	Influence of noble metals on the structural and catalytic properties of Ce-doped SnO ₂ systems. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 31-38.	4.0	60
6	PEDIA: prioritization of exome data by image analysis. <i>Genetics in Medicine</i> , 2019, 21, 2807-2814.	1.1	58
7	Sr ^{1-x} BaxSnO ₃ system applied in the photocatalytic discoloration of an azo-dye. <i>Solid State Sciences</i> , 2014, 28, 67-73.	1.5	47
8	A study of the SnO ₂ -Nb ₂ O ₅ system for an ethanol vapour sensor: a correlation between microstructure and sensor performance. <i>Sensors and Actuators B: Chemical</i> , 2001, 72, 180-183.	4.0	46
9	Controlling the energy transfer in lanthanide-organic frameworks for the production of white-light emitting materials. <i>CrystEngComm</i> , 2014, 16, 6914-6918.	1.3	45
10	Energy transfer upconversion dynamics in YVO ₄ :Yb ³⁺ ,Er ³⁺ . <i>Journal of Luminescence</i> , 2016, 170, 560-570.	1.5	44
11	Application of the Metal-Organic Framework [Eu(BTC)] as a Luminescent Marker for Gunshot Residues: A Synthesis, Characterization, and Toxicity Study. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4684-4691.	4.0	43
12	Up-conversion properties of lanthanide-organic frameworks and how to track ammunitions using these materials. <i>RSC Advances</i> , 2012, 2, 3083.	1.7	41
13	Annealing Effects on the Photocatalytic Activity of ZnO Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3635-3640.	0.9	38
14	Effects of Synthesis and Processing on Supersaturated Rare Earth-Doped Nanometric SnO ₂ Powders. <i>Nano Letters</i> , 2002, 2, 969-973.	4.5	34
15	ZnAl ₂ O ₄ -based luminescent marker for gunshot residue identification and ammunition traceability. <i>Analytical Methods</i> , 2013, 5, 705-709.	1.3	32
16	Catalytic activity of nanometric pure and rare earth-doped SnO ₂ samples. <i>Materials Letters</i> , 2008, 62, 1677-1680.	1.3	31
17	Effect of synthesis parameters on the structural characteristics and photocatalytic activity of ZnO. <i>Materials Chemistry and Physics</i> , 2012, 136, 505-511.	2.0	31
18	Use of luminescent gunshot residues markers in forensic context. <i>Forensic Science International</i> , 2014, 244, 276-284.	1.3	28

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19	Lanthanide-Organic Gels as a Multifunctional Supramolecular Smart Platform. ACS Applied Materials & Interfaces, 2017, 9, 16458-16465.	4.0	28
20	Substrate-controlled allotropic phases and growth orientation of TiO ₂ epitaxial thin films. Journal of Applied Crystallography, 2010, 43, 1502-1512.	1.9	27
21	Luminescence and properties of La ₂ O ₃ :B ₂ O ₃ :M ₂ O ₅ :Ln (M=Nb(V) or Ta(V)) and La ₂ O ₃ :B ₂ O ₃ :M ₂ O ₅ :PbO/Bi ₂ O ₃ glasses. Journal of Alloys and Compounds, 1998, 275-277, 738-741.	2.8	22
22	NIR hyperspectral images for identification of gunshot residue from tagged ammunition. Analytical Methods, 2018, 10, 4711-4717.	1.3	22
23	Identification of Luminescent Markers for Gunshot Residues: Fluorescence, Raman Spectroscopy, and Chemometrics. Analytical Chemistry, 2019, 91, 12444-12452.	3.2	22
24	Evaluation of advanced oxidative processes in biodiesel wastewater treatment. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 85-90.	2.0	22
25	Synthesis of [Dy(DPA)(HDP)] and its potential as gunshot residue marker. Journal of Luminescence, 2016, 170, 697-700.	1.5	21
26	Influence of the network modifier on the characteristics of MSnO ₃ (M=Sr and Ca) thin films synthesized by chemical solution deposition. Journal of Solid State Chemistry, 2013, 199, 34-41.	1.4	18
27	SrSnO ₃ /g-C ₃ N ₄ and sunlight: Photocatalytic activity and toxicity of degradation byproducts. Journal of Environmental Chemical Engineering, 2020, 8, 103633.	3.3	18
28	Spectroscopy and crystallization behavior of Eu ³⁺ -doped La ₂ O ₃ :B ₂ O ₃ binary glasses. Journal of Non-Crystalline Solids, 1997, 219, 160-164.	1.5	17
29	Luminescent sensors for nitroaromatic compound detection: Investigation of mechanism and evaluation of suitability of using in screening test in forensics. Microchemical Journal, 2019, 150, 104037.	2.3	17
30	SrSnO ₃ :N Nitridation and evaluation of photocatalytic activity. Journal of Alloys and Compounds, 2015, 649, 491-494.	2.8	16
31	Investigation of the use of luminescent markers as gunshot residue indicators. Forensic Science International, 2017, 280, 95-102.	1.3	16
32	New luminescent lanthanide-based coordination compounds: Synthesis, studies of optical properties and application as marker for gunshot residues. Journal of Luminescence, 2018, 202, 89-96.	1.5	16
33	SnO ₂ :Nb ₂ O ₅ films for ethanol sensor, obtained by deposition of alcoholic suspensions. Materials Letters, 2000, 43, 166-169.	1.3	15
34	Preparation of KNbO ₃ thin films onto alumina substrates by polymeric precursor method. Thin Solid Films, 2005, 493, 139-145.	0.8	15
35	Microstructure comparison between KNbO ₃ thin films grown by polymeric precursors and PLD methods. Solid State Sciences, 2005, 7, 1317-1323.	1.5	15
36	[Ln ₂ (BDC) ₃ (H ₂ O) ₄]: A low cost alternative for GSR luminescent marking. Journal of Luminescence, 2018, 200, 24-29.	1.5	13

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37	KTaO ₃ powders and thin films prepared by polymeric precursor method. <i>Solid State Sciences</i> , 2006, 8, 606-612.	1.5	12
38	Synthesis of SrSnO ₃ thin films by pulsed laser deposition: Influence of substrate and deposition temperature. <i>Thin Solid Films</i> , 2010, 519, 614-618.	0.8	12
39	Psychosocial outcomes and counselee satisfaction following genetic counseling for hereditary breast and ovarian cancer: A patient-reported outcome study. <i>Journal of Psychosomatic Research</i> , 2016, 89, 39-45.	1.2	12
40	Use of luminescent gunshot residues markers in forensic context – Part II. <i>Forensic Science International</i> , 2017, 281, 161-170.	1.3	12
41	Study of YVO ₄ as a photocatalyst: Correlation between synthetic route and ecotoxicity. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2846-2854.	3.3	11
42	Toxicological study of the degradation products of antineoplastic agent etoposide in commercial formulation treated by heterogeneous photocatalysis using SrSnO ₃ . <i>Environmental Science and Pollution Research</i> , 2019, 26, 4224-4233.	2.7	11
43	Down- and Up-Conversion Photoluminescence of Carbon-Dots from Brewing Industry Waste: Application in Live Cell-Imaging Experiments. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	10
44	Luminescent Marker for GSR: Evaluation of the Acute Oral and Inhalation Toxicity of the MOF [Eu(DPA)(HDPA)]. <i>ACS Applied Bio Materials</i> , 2020, 3, 3049-3056.	2.3	10
45	Evolution of the structural and microstructural characteristics of SrSn _{1-x} Ti _x O ₃ thin films under the influence of the composition, the substrate and the deposition method. <i>Surface and Coatings Technology</i> , 2017, 313, 361-373.	2.2	9
46	Ammunition encoding by means of co-doped luminescent markers. <i>Microchemical Journal</i> , 2019, 145, 539-546.	2.3	9
47	Synthesis and characterization of spherical Tb-MCM-41. <i>Journal of Alloys and Compounds</i> , 2010, 490, 667-671.	2.8	8
48	Zinc-gallium oxynitride powders: effect of the oxide precursor synthesis route. <i>Ceramica</i> , 2013, 59, 269-276.	0.3	8
49	Identification of ANFO: Use of luminescent taggants in post-blast residues. <i>Forensic Science International</i> , 2017, 275, 8-13.	1.3	8
50	Application of luminescent markers to ammunition encoding in forensic routine using a Video Spectral Comparator (VSC). <i>Microchemical Journal</i> , 2020, 159, 105362.	2.3	4
51	SrSnO ₃ /g-C ₃ N ₄ dry phase sunlight photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 412, 113255.	2.0	4
52	Desenvolvimento de sensores para gás H_2 à base de SnO ₂ nanoestruturado: influência da microestrutura no desempenho do sensor. <i>Ceramica</i> , 2000, 46, 156-159.	0.3	3
53	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
54	Influence of the Structural Characteristics of Epitaxial TiO ₂ Thin Films on Their Photocatalytic Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4326-4334.	0.9	3

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55	Evaluation of interferers in sampling materials used in explosive residue analysis by ion chromatography. <i>Forensic Science International</i> , 2020, 307, 109908.	1.3	3
56	Organic load removal and microbial disinfection of raw domestic sewage using SrSnO ₃ /g-C ₃ N ₄ with sunlight. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45009-45018.	2.7	3
57	Nanopart�culas catalisadoras suportadas por materiais cer�micos. <i>Ceramica</i> , 2002, 48, 163-171.	0.3	2
58	High prevalence of BRCA1 stop mutation c.4183C>T in the Tyrolean population: implications for genetic testing. <i>European Journal of Human Genetics</i> , 2016, 24, 258-262.	1.4	2
59	Photoluminescence in Alkaline Earth Stannate Thin Films Grown by Physical and Chemical Methods. <i>Engineering Materials</i> , 2021, , 155-183.	0.3	2
60	A New Method to Control Particle Size and Particle Size Distribution of SnO ₂ Nanoparticles for Gas Sensor Applications. , 2000, 12, 965.		2
61	Synthesis Methods Evaluation for Preparation of the Zn:Co Diluted Magnetic Semiconductor (DMS). <i>Materials Science Forum</i> , 2008, 591-593, 387-391.	0.3	1
62	Analysis of Luminescent Gunshot Residue (LGSR) on Different Types of Fabrics. <i>Journal of Forensic Sciences</i> , 2020, 65, 67-72.	0.9	1
63	Chromatographic Analysis of Byproducts from a Non-Toxic Ammunition and a Marked Ammunition: An Assessment of Toxicity. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	1
64	Yttrium orthovanadates phosphors as up-conversion luminescent markers for gunshot residue identification. <i>Journal of Luminescence</i> , 2022, , 119020.	1.5	0
65	Encoding of Luminescent Ink Markers Using Low-Level Data Fusion and Chemometrics. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0