Arandi G Bezerra

List of Publications by Year
in descending order

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56 papers	834 citations	566801 15 h-index	500791 28 g-index
58 all docs	58 docs citations	58 times ranked	1075 citing authors

#	Article	IF	Citations
1	Polysaccharide-based substrate for surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119255.	2.0	7
2	Preparation and characterization of V2O5 and V2O5/PANI nanocomposite by laser ablation technique in liquid. Materials Chemistry and Physics, 2021, 273, 125084.	2.0	7
3	Toxicological effects of silver nanoparticles and cadmium chloride in macrophage cell line (RAW) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	4
4	Bismuth-based nanoparticles impair adipogenic differentiation of human adipose-derived mesenchymal stem cells. Toxicology in Vitro, 2021, 77, 105248.	1.1	1
5	Malignancy and tumorigenicity of melanoma B16 cells are not affected by silver and gold nanoparticles. Toxicology Mechanisms and Methods, 2020, 30, 635-645.	1.3	3
6	Cytotoxicity of bismuth nanoparticles in the murine macrophage cell line RAW 264.7. Journal of Materials Science: Materials in Medicine, 2020, 31, 95.	1.7	6
7	Desafios dos professores durante o distanciamento social devido Ã pandemia da COVID-19: uma proposta para o ensino de fÃsica utilizando videoanÃ¡lise. Revista Tecnologia E Sociedade, 2020, 16, 147.	0.0	1
8	Articulated Video Production Between Teachers and Training Teachers as a Proposal for the Teaching of Modern and Contemporary Physics. Acta Scientiae, 2020, 22, .	0.1	0
9	Water-suspended MoO3 nanoparticles prepared by LASIS and fast processing as thin film by ultrasonic spray deposition. Solar Energy Materials and Solar Cells, 2019, 200, 109986.	3.0	13
10	Plasmonics and SERS activity: beyond gold and silver. , 2019, , .		1
11	VideoanÃ¡lise e Ensino de FÃsica em SituaÃ§Ã£o de Vulnerabilidade Social. AbakÃ³s, 2019, 7, 3-21.	0.1	0
12	Photophysical properties of flavonoids extracted from Syngonanthus nitens, the golden grass. Journal of Luminescence, 2018, 194, 394-400.	1.5	12
13	Synthesis and Optical Characterization of Terfenol-D Nanoparticles. , 2018, , .		1
14	SERS activity of Co, Ni and Bi nanoparticles. , 2018, , .		3
15	Dose-dependent cytotoxicity of bismuth nanoparticles produced by LASiS in a reference mammalian cell line BALB/c 3T3. Toxicology in Vitro, 2018, 53, 99-106.	1.1	20
16	Plasmonics and SERS activity of post-transition metal nanoparticles. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	16
17	Toxicological interactions of silver nanoparticles and non-essential metals in human hepatocarcinoma cell line. Toxicology in Vitro, 2017, 40, 134-143.	1.1	29
18	Evolution of size distribution, optical properties, and structure of Si nanoparticles obtained by laser-assisted fragmentation. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	8

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19	Influence of plasmon coupling on the photoluminescence of ZnS/Ag nanoparticles obtained by laser irradiation in liquid. Optical Materials, 2017, 72, 98-105.	1.7	4
20	Anti-hMC2RL1 Functionalized Gold Nanoparticles for Adrenocortical Tumor Cells Targeting and Imaging. Journal of Biomedical Nanotechnology, 2017, 13, 68-76.	0.5	12
21	Surface-enhanced Raman scattering using bismuth nanoparticles: a study with amino acids. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	20
22	Laser irradiation of iron, cobalt, and nickel targets in liquid nitrogen: AÂfacile approach for nitride nanoparticle fabrication of ferromagnetic transition metals. Journal of Alloys and Compounds, 2017, 725, 519-525.	2.8	17
23	Comparison of the Efficiency of Rose Bengal and Methylene Blue as Photosensitizers in Photodynamic Therapy Techniques forEnterococcus faecalisInactivation. Photomedicine and Laser Surgery, 2017, 35, 18-23.	2.1	24
24	A videoanÃ¡lise como mediadora da modelagem cientÃfica no ensino de mecÂ¢nica. Revista Brasileira De Ensino De CiÃªncia E Tecnologia, 2017, 10, .	0.0	0
25	Plasmonic enhancement in the photoinactivation ofEscherichia Coliusing rose bengal and gold nanoparticles. , 2015, , .		0
26	Structural, morphological and optical properties of Bi NPs obtained by laser ablation and their selective detection of L-cysteine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 368-373.	2.3	20
27	Syngonanthus nitens: Why it looks like spun gold. Industrial Crops and Products, 2014, 52, 597-602.	2.5	4
28	UtilizaÃ§Ã£o de TIC para o estudo do movimento: alguns experimentos didÃ¡ticos com o software Tracker - DOI 10.5752/P.2316-9451.2014v2n2p24. AbakÃ³s, 2014, 2, .	0.1	2
29	The mechanism of cysteine detection in biological media by means of vanadium oxide nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	8
30	VideoanÃ¡lise com o software livre Tracker no laboratÃ³rio didÃ¡tico de FÃsica: movimento parabÃ³lico e segunda lei de Newton. Caderno Brasileiro De Ensino De FÃsica, 2012, 29, .	0.0	3
31	Vanadium Oxide Nanoparticles as Optical Sensors of Cysteine. Journal of Nanoscience and Nanotechnology, 2011, 11, 4702-4707.	0.9	14
32	Size and Dispersion Control of Gold Nanoparticles Obtained by Nanosecond Laser Ablation. , 2010, , .		0
33	Optical Characterization of the Molecule Lapps34m for use as a New Fluorophore. , 2010, , .		0
34	The Photocycle and Proton Translocation Pathway in a Cyanobacterial Ion-Pumping Rhodopsin. Biophysical Journal, 2009, 96, 1471-1481.	0.2	100
35	Cytoplasmic Shuttling of Protons in Anabaena Sensory Rhodopsin: Implications for Signaling Mechanism. Journal of Molecular Biology, 2006, 358, 686-700.	2.0	55
36	Leptosphaeria rhodopsin: Bacteriorhodopsin-like proton pump from a eukaryote. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6879-6883.	3.3	213

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37	FTIR Spectroscopy of the K Photointermediate ofNeurosporaRhodopsin:Â Structural Changes of the Retinal, Protein, and Water Molecules after Photoisomerizationâ€. Biochemistry, 2004, 43, 9636-9646.	1.2	61
38	Third-order nonlinear optical properties of undoped polyaniline solutions and films probed at 532 nm. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1099.	0.9	16
39	Investigation of picosecond optical nonlinearity in porphyrin metal complexes derivatives. Chemical Physics Letters, 2000, 318, 511-516.	1.2	31
40	Exploitation of the Z-scan technique as a method to optically probe pK_a in organic materials:â€ƒapplication to porphyrin derivatives. Optics Letters, 2000, 25, 323.	1.7	9
41	Determination of Acid-Base Equilibrium Constant of Organic Molecules and Biomolecules with 3rd-Order Nonlinear Optics. Optics and Photonics News, 2000, 11, 25.	0.4	2
42	Effects of pH and ionic strength on the structure and spectroscopic properties of Fe(III) complex porphyrin in aqueous solutions. , 2000, , .		0
43	Molecular hyperpolarizabilities of retinal derivatives. Journal of Chemical Physics, 1999, 111, 5102-5106.	1.2	11
44	Mesoionic rings as third-order non-linear optical materials. Chemical Physics Letters, 1999, 309, 421-426.	1.2	19
45	‹title›Nonlinear optical properties of organic materials‹/title›. , 1999, , .		4
46	‹title›Optical nonlinearities in mesoionic compounds‹/title›. , 1999, 3749, 334.		0
47	Blue light emission in thulium doped silica-on-silicon waveguides. Optics Communications, 1997, 141, 137-140.	1.0	21
48	Z-scan measurements of the nonlinear refraction in retinal derivatives. Chemical Physics Letters, 1997, 276, 445-449.	1.2	18
49	A combined Chapmanâ€“Enskog and Grad method. II. Ionized gases. Physics of Plasmas, 1995, 2, 642-648.	0.7	4
50	A combined Chapman-Enskog and Grad method. I. Monatomic gases and mixtures. Continuum Mechanics and Thermodynamics, 1994, 6, 149-160.	1.4	9
51	Third-order optical nonlinearities in retinal derivatives and mesoionic compounds. , 0, , .		0
52	Third-order optical nonlinearities in mesoionic compounds. , 0, , .		0
53	First- and second-order optical hyperpolarizabilities of polyaniline in solutions. , 0, , .		0
54	Experimental and computational studies of optical nonlinearities in mesoionic compounds. , 0, , .		0

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55	Picosecond Z-scan and optical Kerr gate in metalloporphyrin derivatives: origin of the nonlinearity and its use as an optical probe to determine pK. , 0, , .		0
56	Desenvolvimento e utilizaÃ§Ã£o de um aplicativo mÃ³vel brasileiro para videoanÃ¡lise: â€œVideoanalisandoâ€• Revista Brasileira De Ensino De Fisica, 0, 44, .	0.2	0