

Arandi G Bezerra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4859071/publications.pdf>

Version: 2024-02-01

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	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
2	The Photocycle and Proton Translocation Pathway in a Cyanobacterial Ion-Pumping Rhodopsin. Biophysical Journal, 2009, 96, 1471-1481.	0.2	100
3	FTIR Spectroscopy of the K Photointermediate of Neurospora Rhodopsin: Structural Changes of the Retinal, Protein, and Water Molecules after Photoisomerization. Biochemistry, 2004, 43, 9636-9646.	1.2	61
4	Cytoplasmic Shuttling of Protons in Anabaena Sensory Rhodopsin: Implications for Signaling Mechanism. Journal of Molecular Biology, 2006, 358, 686-700.	2.0	55
5	Investigation of picosecond optical nonlinearity in porphyrin metal complexes derivatives. Chemical Physics Letters, 2000, 318, 511-516.	1.2	31
6	Toxicological interactions of silver nanoparticles and non-essential metals in human hepatocarcinoma cell line. Toxicology in Vitro, 2017, 40, 134-143.	1.1	29
7	Comparison of the Efficiency of Rose Bengal and Methylene Blue as Photosensitizers in Photodynamic Therapy Techniques for <i>Enterococcus faecalis</i> Inactivation. Photomedicine and Laser Surgery, 2017, 35, 18-23.	2.1	24
8	Blue light emission in thulium doped silica-on-silicon waveguides. Optics Communications, 1997, 141, 137-140.	1.0	21
9	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
10	Surface-enhanced Raman scattering using bismuth nanoparticles: a study with amino acids. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	20
11	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
12	Mesoionic rings as third-order non-linear optical materials. Chemical Physics Letters, 1999, 309, 421-426.	1.2	19
13	Z-scan measurements of the nonlinear refraction in retinal derivatives. Chemical Physics Letters, 1997, 276, 445-449.	1.2	18
14	Laser irradiation of iron, cobalt, and nickel targets in liquid nitrogen: A facile approach for nitride nanoparticle fabrication of ferromagnetic transition metals. Journal of Alloys and Compounds, 2017, 725, 519-525.	2.8	17
15	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
16	Plasmonics and SERS activity of post-transition metal nanoparticles. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	16
17	Vanadium Oxide Nanoparticles as Optical Sensors of Cysteine. Journal of Nanoscience and Nanotechnology, 2011, 11, 4702-4707.	0.9	14
18	Water-suspended MoO ₃ 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

#	ARTICLE	IF	CITATIONS
19	Anti-hMC2RL1 Functionalized Gold Nanoparticles for Adrenocortical Tumor Cells Targeting and Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 68-76.	0.5	12
20	Photophysical properties of flavonoids extracted from <i>Syngonanthus nitens</i> , the golden grass. <i>Journal of Luminescence</i> , 2018, 194, 394-400.	1.5	12
21	Molecular hyperpolarizabilities of retinal derivatives. <i>Journal of Chemical Physics</i> , 1999, 111, 5102-5106.	1.2	11
22	A combined Chapman-Enskog and Grad method. I. Monatomic gases and mixtures. <i>Continuum Mechanics and Thermodynamics</i> , 1994, 6, 149-160.	1.4	9
23	Exploitation of the Z-scan technique as a method to optically probe pK_a in organic materials: application to porphyrin derivatives. <i>Optics Letters</i> , 2000, 25, 323.	1.7	9
24	The mechanism of cysteine detection in biological media by means of vanadium oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	8
25	Evolution of size distribution, optical properties, and structure of Si nanoparticles obtained by laser-assisted fragmentation. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	8
26	Polysaccharide-based substrate for surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119255.	2.0	7
27	Preparation and characterization of V ₂ O ₅ and V ₂ O ₅ /PANI nanocomposite by laser ablation technique in liquid. <i>Materials Chemistry and Physics</i> , 2021, 273, 125084.	2.0	7
28	Cytotoxicity of bismuth nanoparticles in the murine macrophage cell line RAW 264.7. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 95.	1.7	6
29	A combined Chapman-Enskog and Grad method. II. Ionized gases. <i>Physics of Plasmas</i> , 1995, 2, 642-648.	0.7	4
30	<title>Nonlinear optical properties of organic materials</title>. , 1999, , .		4
31	<i>Syngonanthus nitens</i> : Why it looks like spun gold. <i>Industrial Crops and Products</i> , 2014, 52, 597-602.	2.5	4
32	Influence of plasmon coupling on the photoluminescence of ZnS/Ag nanoparticles obtained by laser irradiation in liquid. <i>Optical Materials</i> , 2017, 72, 98-105.	1.7	4
33	Toxicological effects of silver nanoparticles and cadmium chloride in macrophage cell line (RAW) Tj ETQq1 1 0.784314 rgBT /Qverlocke	1.5	4
34	Videoanálise com o software livre Tracker no laboratório didático de Física: movimento parabólico e segunda lei de Newton. <i>Caderno Brasileiro De Ensino De Física</i> , 2012, 29, .	0.0	3
35	SERS activity of Co, Ni and Bi nanoparticles. , 2018, , .		3
36	Malignancy and tumorigenicity of melanoma B16 cells are not affected by silver and gold nanoparticles. <i>Toxicology Mechanisms and Methods</i> , 2020, 30, 635-645.	1.3	3

#	ARTICLE	IF	CITATIONS
37	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
38	Utiliza��o de TIC para o estudo do movimento: alguns experimentos did��ticos com o software Tracker - DOI 10.5752/P.2316-9451.2014v2n2p24. Abak��s, 2014, 2, .	0.1	2
39	Synthesis and Optical Characterization of Terfenol-D Nanoparticles. , 2018, , .		1
40	Plasmonics and SERS activity: beyond gold and silver. , 2019, , .		1
41	Bismuth-based nanoparticles impair adipogenic differentiation of human adipose-derived mesenchymal stem cells. Toxicology in Vitro, 2021, 77, 105248.	1.1	1
42	Desafios dos professores durante o distanciamento social devido � pandemia da COVID-19: uma proposta para o ensino de f�sica utilizando videoan�lise. Revista Tecnologia E Sociedade, 2020, 16, 147.	0.0	1
43	Third-order optical nonlinearities in retinal derivatives and mesoionic compounds. , 0, , .		0
44	Third-order optical nonlinearities in mesoionic compounds. , 0, , .		0
45	First- and second-order optical hyperpolarizabilities of polyaniline in solutions. , 0, , .		0
46	Experimental and computational studies of optical nonlinearities in mesoionic compounds. , 0, , .		0
47	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
48	<title>Optical nonlinearities in mesoionic compounds</title>. , 1999, 3749, 334.		0
49	Effects of pH and ionic strength on the structure and spectroscopic properties of Fe(III) complex porphyrin in aqueous solutions. , 2000, , .		0
50	Plasmonic enhancement in the photoinactivation of Escherichia Coli using rose bengal and gold nanoparticles. , 2015, , .		0
51	Size and Dispersion Control of Gold Nanoparticles Obtained by Nanosecond Laser Ablation. , 2010, , .		0
52	Optical Characterization of the Molecule Lapps34m for use as a New Fluorophore. , 2010, , .		0
53	A videoan�lise como mediadora da modelagem cient�fica no ensino de mec�nica. Revista Brasileira De Ensino De Ci�ncia E Tecnologia, 2017, 10, .	0.0	0
54	Videoan�lise e Ensino de F�sica em Situa��o de Vulnerabilidade Social. Abak��s, 2019, 7, 3-21.	0.1	0

#	ARTICLE	IF	CITATIONS
55	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
56	Desenvolvimento e utilização de um aplicativo móvel brasileiro para videoanálise: "Videoanalisando". Revista Brasileira De Ensino De Física, 0, 44, .	0.2	0