

Alexandre Gonçalves Dal-Bai³

List of Publications by Year in descending order

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60
papers

616
citations

623734

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times ranked

778
citing authors

#	ARTICLE	IF	CITATIONS
1	New photoactive D- β -D benzothiadiazole derivative: Synthesis, thermal and photophysical properties. <i>Dyes and Pigments</i> , 2016, 126, 209-217.	3.7	51
2	Self-Assembly of Amphiphilic Glycoconjugates into Lectin-Adhesive Nanoparticles. <i>Langmuir</i> , 2012, 28, 1418-1426.	3.5	36
3	Association of anionic surfactant mixed micelles with hydrophobically modified ethyl(hydroxyethyl)cellulose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 380, 100-106.	4.7	34
4	Gold nanoparticles and/or N-acetylcysteine mediate carrageenan-induced inflammation and oxidative stress in a concentration-dependent manner. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3323-3330.	4.0	31
5	Sensitization of TiO ₂ nanoparticles with natural dyes extracts for photocatalytic activity under visible light. <i>Dyes and Pigments</i> , 2020, 182, 108654.	3.7	31
6	Ethyl(hydroxyethyl)cellulose-sodium dodecanoate interaction investigated by surface tension and electrical conductivity techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 256, 171-180.	4.7	27
7	Synthesis of luminescent liquid crystals derived from gallic acid containing heterocyclic 1,3,4-oxadiazole. <i>Liquid Crystals</i> , 2014, 41, 1162-1172.	2.2	24
8	Self-assembled carbohydrate-based micelles for lectin targeting. <i>Soft Matter</i> , 2011, 7, 3453.	2.7	23
9	2,1,3-Benzothiadiazole-based fluorophores. Synthesis, electrochemical, thermal and photophysical characterization. <i>Dyes and Pigments</i> , 2016, 135, 26-35.	3.7	23
10	Co-encapsulation of sodium diethyldithiocarbamate (DETC) and zinc phthalocyanine (ZnPc) in liposomes promotes increases phototoxic activity against (MDA-MB 231) human breast cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111434.	5.0	21
11	Synthesis, electrochemical, thermal and photophysical characterization of quinoxaline-based β -extended electroluminescent heterocycles. <i>Dyes and Pigments</i> , 2018, 157, 218-229.	3.7	19
12	Investigation of self-association between new glycosurfactant N-acetyl- β -D-glucosaminyl-PEG-docosanoate and soybean phosphatidylcholine into vesicles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 467, 166-172.	4.7	18
13	Effect of heteroatom exchange (S/Se) in the mesomorphism and physical properties of benzochalcogenodiazole-based liquid crystals. <i>Dyes and Pigments</i> , 2018, 157, 109-116.	3.7	18
14	Self-association of sodium cholate with poly(ethylene oxide) cooperatively induced by sodium dodecyl sulfate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 294, 247-253.	4.7	16
15	Synthesis, micellization and lectin binding of new glycosurfactants. <i>Carbohydrate Research</i> , 2014, 397, 31-36.	2.3	14
16	Elucidating Bauhinia variegata lectin/phosphatidylcholine interactions in lectin-containing liposomes. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 232-241.	9.4	14
17	Syntheses and catalytic activities of new metallodendritic catalysts. <i>New Journal of Chemistry</i> , 2016, 40, 9403-9414.	2.8	13
18	Proton transfer in fluorescent secondary amines: synthesis, photophysics, theoretical calculation and preparation of photoactive phosphatidylcholine-based liposomes. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1171-1184.	2.9	13

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19	The absence of cooperative binding in mixtures of sodium cholate and poly(ethylene oxide) as indicated by surface tension, steady-state fluorescence and electrical conductivity measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 279, 87-95.	4.7	12
20	Sodium dodecyl sulfate promoting a cooperative association process of sodium cholate with bovine serum albumin. <i>Journal of Colloid and Interface Science</i> , 2006, 298, 457-466.	9.4	12
21	Self-assembled carbohydrate-based vesicles for lectin targeting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 12-18.	5.0	12
22	Synthesis, electrochemical, thermal and photophysical characterization of photoactive discotic dyes based on the tris-[1,2,4]-triazolo-[1,3,5]-triazine core. <i>Dyes and Pigments</i> , 2016, 135, 49-56.	3.7	10
23	Synthesis of two new Mo(II) organometallic catalysts immobilized on POSS for application in olefin oxidation reactions. <i>Journal of Organometallic Chemistry</i> , 2017, 834, 73-82.	1.8	10
24	Excited state intramolecular proton transfer process in benzazole fluorophores tailored by polymeric matrix: A combined theoretical and experimental study. <i>Journal of Molecular Liquids</i> , 2019, 295, 111710.	4.9	9
25	Formação de micelas mistas entre o sal biliar colato de sódio e o surfactante aniônico dodecanoato de sódio. <i>Quimica Nova</i> , 2008, 31, 2065-2070.	0.3	8
26	Synthesis and thermal, electrochemical, and photophysical investigation of carbazole/diphenyl benzothiadiazole-based fluorophores. <i>Dyes and Pigments</i> , 2020, 182, 108668.	3.7	8
27	New long-chain donor-acceptor-donor pyromellitic diimide (PMDI) derivatives. A combined theoretical and experimental study. <i>Dyes and Pigments</i> , 2018, 157, 143-150.	3.7	7
28	Partial substitution of nitrocellulose by polyurethane resins in flexographic ink concentrates. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49237.	2.6	7
29	Synthesis of a 5-Carboxy Indole-Based Spiropyran Fluorophore: Thermal, Electrochemical, Photophysical and Bovine Serum Albumin Interaction Investigations. <i>Chemosensors</i> , 2020, 8, 31.	3.6	7
30	Study of the incorporation of fabric shavings from the clothing industry in coating mortars. <i>Journal of Cleaner Production</i> , 2021, 279, 123730.	9.3	6
31	Adsorption of endocrine disrupting compounds from aqueous solution in poly(butylene adipate-co-terephthalate) electrospun microfibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125800.	4.7	6
32	Synthesis of cholesterol containing unsymmetrical dimers: a new series of liquid crystals. <i>Liquid Crystals</i> , 2022, 49, 758-768.	2.2	6
33	Competitive Process of Binding Between the Anionic Surfactants Sodium Dodecyl Sulfate and Sodium Cholate in Bovine Serum Albumin. <i>Macromolecular Symposia</i> , 2005, 229, 208-216.	0.7	5
34	Auto-associação do dodecilsulfato de sódio (SDS) com o polímero hidrofobicamente modificado etil(hidroxietil) celulose (EHEC). <i>Quimica Nova</i> , 2009, 32, 2046-2050.	0.3	5
35	Self-association of sodium deoxycholate with EHEC cellulose cooperatively induced by sodium dodecanoate. <i>Carbohydrate Polymers</i> , 2014, 111, 425-432.	10.2	5
36	Sweetness Reduces Cytotoxicity and Enables Faster Cellular Uptake of Sub-30 nm Amphiphilic Nanoparticles. <i>Langmuir</i> , 2019, 35, 8060-8067.	3.5	5

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37	The influence of precursors and additives on the hydrothermal synthesis of VO ₂ : A route for tuning the metal-insulator transition temperature. <i>Ceramics International</i> , 2020, 46, 23560-23566.	4.8	5
38	Synthesis and photo-electro-thermal characterization of non-symmetrical 4,7-dibromobenzo[c][1,2,5]thiadiazole derivatives. <i>Dyes and Pigments</i> , 2020, 183, 108703.	3.7	4
39	Synthesis of new monodendrons, gallic acid derivatives, self- assembled in a columnar phase. <i>Liquid Crystals</i> , 2015, , 1-13.	2.2	3
40	Evaluation of a Thermochromic Liquid Crystal for Use as a Temperature Sensor for Components of Electrical Systems. <i>Materials Research</i> , 2017, 20, 130-136.	1.3	3
41	Development of Lipid Nanocarriers for Tuberculosis Treatment: Evaluation of Suitable Excipients and Nanocarriers. <i>Current Drug Delivery</i> , 2021, 18, 770-778.	1.6	3
42	Determination of the Stabilization Time of the Solution-Air Interface for Aggregates Formed by NaC in Mixtures with SDS and PEO, Investigated by Dynamic Surface Tension Measurements. <i>Soft</i> , 2014, 03, 1-10.	0.7	3
43	Measurement of apparent sintering activation energy for densification of clays. <i>Clay Minerals</i> , 2021, 56, 299-305.	0.6	3
44	Synthesis of novel symmetrical alkylated phenyltetrazol-based 1,3-diynes and their structure-properties relationship. <i>Dyes and Pigments</i> , 2022, 205, 110574.	3.7	3
45	Synthesis and Characterization of Sulfonated Poly(styrene-co-acrylic acid) for Applications as Proton Exchange Membranes. <i>Macromolecular Symposia</i> , 2014, 343, 51-58.	0.7	2
46	New glycosylated conjugate copolymer N-acetyl- β -D-glucosaminyl-pluronic: Synthesis, self-assembly and biological assays. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 323-330.	5.0	2
47	Synthesis, DNA Interaction and Genotoxic Evaluation of a Photoactive Benzothiadiazole with Potential Application in Photovoltaic Paint. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	2
48	Study on the Application of Electric Field to Giant Vesicles Comprised of 1,2-Dilauroyl-Sn-Glycero-3-Phosphatidylcholine Using Optical Fluorescence Microscopy. <i>Materials Research</i> , 2017, 20, 34-38.	1.3	2
49	Physico-chemical interactions of a new rod-coil-rod polymer with liposomal system: Approaches to applications in tryptophan-related therapies. <i>Chemistry and Physics of Lipids</i> , 2021, 235, 105027.	3.2	2
50	<i>In vitro</i> phototoxicity of zinc phthalocyanine (ZnPc) loaded in liposomes against human breast cancer cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 153-161.	0.8	2
51	Autoassociaço de misturas dos Surfactantes Dodecanoato de Sdio (SDoD) e Decanoato de Sdio (SDeC) com o Polmero Hidrofobicamente Modificado Etil(Hidroxietil)Celulose (EHEC). <i>Quimica Nova</i> , 2011, 34, 1001-1006.	0.3	2
52	Use of enameling wastewater in the wet milling process for "monoporosa"™ tile composition. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100338.	4.0	2
53	Synergic effect of paclitaxel and cisplatin associated with gold nanoparticles on HeLa cervical cells. <i>Gold Bulletin</i> , 2022, 55, 65-75.	2.4	2
54	Temozolomide associated to gold nanoparticles promoted a synergic effect and apoptosis when exposed to melanoma cells. <i>Journal of Nanoparticle Research</i> , 2022, 24, .	1.9	2

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55	Porous Ceramic Structures Obtained from Calcium Carbonate as Pore Generating Agent. Materials Science Forum, 2014, 775-776, 755-760.	0.3	1
56	Interaction Study between ESIPT Fluorescent Lipophile-Based Benzazoles and BSA. Molecules, 2021, 26, 6728.	3.8	1
57	Cisplatin and paclitaxel-loaded liposomes induced cervical cancer (HeLa) cell death with multiple copies of human papillomavirus by apoptosis and decreased their cytotoxic effect on non-tumor cells. Journal of Drug Delivery Science and Technology, 2022, 73, 103457.	3.0	1
58	Avaliação do efeito do tratamento corona na performance de estabilizadores de UV em filmes de PEBD. Revista Materia, 2019, 24, .	0.2	0
59	Heat treatment analysis of ASTM A106 steel spheroidization and erosive wear at high temperatures. REM: International Engineering Journal, 2020, 73, 539-546.	0.4	0
60	Performance analysis of paver blocks manufactured with an incorporation of waste from the disposable straw industry. Clean Technologies and Environmental Policy, 0, , 1.	4.1	0