

Alexandre Urbano

List of Publications by Year in descending order

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48
papers

956
citations

471509

17
h-index

454955

30
g-index

49
all docs

49
docs citations

49
times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of microcrystalline cellulose extracted from soybean hulls by reactive extrusion. <i>Food Research International</i> , 2015, 73, 38-43.	6.2	117
2	Production and characterization of bacterial cellulose membranes with hyaluronic acid from chicken comb. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 642-653.	7.5	96
3	Molybdenum Oxide Thin Films Obtained by the Hot-Filament Metal Oxide Deposition Technique. <i>Chemistry of Materials</i> , 2004, 16, 513-520.	6.7	92
4	Properties of baked foams based on cassava starch, sugarcane bagasse fibers and montmorillonite. <i>Carbohydrate Polymers</i> , 2012, 87, 1302-1310.	10.2	84
5	Sorption-desorption of selenite and selenate on Mg-Al layered double hydroxide in competition with nitrate, sulfate and phosphate. <i>Chemosphere</i> , 2017, 181, 627-634.	8.2	61
6	Production of solid lipid microparticles loaded with lycopene by spray chilling: Structural characteristics of particles and lycopene stability. <i>Food and Bioproducts Processing</i> , 2016, 98, 86-94.	3.6	51
7	Films based on cassava starch reinforced with soybean hulls or microcrystalline cellulose from soybean hulls. <i>Food Packaging and Shelf Life</i> , 2019, 20, 100321.	7.5	33
8	Dehydroabiatic acid isolated from <i>Pinus elliottii</i> exerts in vitro antileishmanial action by pro-oxidant effect, inducing ROS production in promastigote and downregulating Nrf2/ferritin expression in amastigote forms of <i>Leishmania amazonensis</i> . <i>FA-toterap-AC</i> , 2018, 128, 224-232.	2.2	32
9	The Beer-Lambert law for electrochromic tungsten oxide thin films. <i>Materials Chemistry and Physics</i> , 1999, 61, 143-146.	4.0	28
10	Structural characterisation and cell viability of a spray dried probiotic yoghurt produced with goats' milk and <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> (BI-07). <i>International Dairy Journal</i> , 2014, 39, 71-77.	3.0	28
11	Sorption-desorption of antimony species onto calcined hydrotalcite: Surface structure and control of competitive anions. <i>Journal of Hazardous Materials</i> , 2018, 344, 649-656.	12.4	26
12	Production and structural characterization of solid lipid microparticles loaded with soybean protein hydrolysate. <i>Food Research International</i> , 2015, 76, 689-696.	6.2	24
13	Tuning the optical properties of luminescent down shifting layers based on organic dyes to increase the efficiency and lifetime of P3HT: PCBM photovoltaic devices. <i>Journal of Luminescence</i> , 2018, 203, 165-171.	3.1	21
14	Deposition and characterization of BiVO ₄ thin films and evaluation as photoanodes for methylene blue degradation. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3267-3274.	2.5	20
15	Goethite (±-FeOOH) magnetic transition by ESR, Magnetometry and Mössbauer. <i>Materials Chemistry and Physics</i> , 2016, 173, 179-185.	4.0	20
16	Electrochromism in nickel oxide films obtained by thermal decomposition. <i>Journal of Materials Science Letters</i> , 1992, 11, 562-563.	0.5	19
17	Surfactant effect on electrochemical-induced synthesis of ±-Ni(OH) ₂ . <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 497-504.	2.5	18
18	Characterization of the Adsorption of Nucleic Acid Bases onto Ferrihydrite via Fourier Transform Infrared and Surface-Enhanced Raman Spectroscopy and X-ray Diffractometry. <i>Astrobiology</i> , 2015, 15, 728-738.	3.0	17

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19	Electrochromism in lithiated nickel oxide films deposited by rf sputtering. <i>Electrochimica Acta</i> , 2001, 46, 2269-2273.	5.2	16
20	Study of Interaction Between Glyphosate and Goethite Using Several Methodologies: an Environmental Perspective. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	15
21	Preclinical Evaluation of Rutin-Loaded Microparticles with an Enhanced Analgesic Effect. <i>ACS Omega</i> , 2019, 4, 1221-1227.	3.5	15
22	Li diffusion and electrochromism in amorphous and crystalline vanadium oxide thin film electrodes. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 788-794.	0.6	14
23	Effect of intermediate phases on the optical properties of $\text{Pb}_{1-x}\text{CH}_3\text{NH}_3\text{Pb}_x$ organic-inorganic hybrid perovskite. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5253-5261.	2.8	14
24	Modified hydrotalcite for phosphorus slow-release: Kinetic and sorption-desorption processes in clayey and sandy soils from North of Paraná state (Brazil). <i>Applied Clay Science</i> , 2020, 197, 105759.	5.2	13
25	Sorption and desorption of silver ions by bentonite clays. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11349-11359.	5.3	9
26	Electronic structure of Li_xNiO_y thin films. <i>Journal of Power Sources</i> , 2001, 97-98, 328-331.	7.8	8
27	Thickness Measurement of V_2O_5 Nanometric Thin Films Using a Portable XRF. <i>Journal of Spectroscopy</i> , 2016, 2016, 1-7.	1.3	8
28	Commitment Between Roughness and Crystallite Size in the Vanadium Oxide Thin Film opto-electrochemical Properties. <i>Materials Research</i> , 2019, 22, .	1.3	7
29	Modeling the kinetics of potentially toxic elements desorption in sediment affected by a dam breakdown disaster in Doce River - Brazil. <i>Chemosphere</i> , 2021, 283, 131157.	8.2	7
30	Alcohol Stability of Milk from the Perspective of X-Ray Diffractometry. <i>Food Biophysics</i> , 2016, 11, 198-205.	3.0	6
31	Microfurnace thermomagnetic analyser for the -30°C to 1000°C temperature range. <i>IEEE Transactions on Magnetics</i> , 1996, 32, 4929-4931.	2.1	5
32	Enhanced Magnetic Component in Synthetic Goethite ($\alpha\text{-FeOOH}$) and its Relation with Morphological and Structural Characteristics. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800578.	1.5	5
33	Magnetite Synthesis in the Presence of Cyanide or Thiocyanate under Prebiotic Chemistry Conditions. <i>Life</i> , 2020, 10, 34.	2.4	5
34	Silver nanowire synthesis analyzing NaCl, CuCl ₂ , and NaBr as halide salt with additional thermal, acid, and solvent post-treatments for transparent and flexible electrode applications. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 205-213.	3.1	5
35	ANALYSIS OF A COMMERCIAL PORTABLE LITHIUM-ION BATTERY UNDER LOW CURRENT CHARGE-DISCHARGE CYCLES. <i>Quimica Nova</i> , 2016, , .	0.3	4
36	Study of the formation of ferrihydrite under prebiotic chemistry conditions: artificial seawater 4.0 Gy and ammonium thiocyanate. <i>International Journal of Astrobiology</i> , 2020, 19, 462-473.	1.6	3

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37	White electroluminescence based on PFO: CdSe(ZnS):P3OT hybrid blends. <i>Synthetic Metals</i> , 2018, 237, 10-15.	3.9	2
38	Cost-effective plasmonic device for label-free streptavidin detection. <i>Materials Letters</i> , 2018, 227, 243-246.	2.6	2
39	Otimizaçãõ do processo de extraçãõ do pã³ de LiCoO2 de catodos de baterias de ãon-lãtio por dissoluçãõ quãmica. <i>Semina: Ciãncias Exatas E Tecnolã³gicas</i> , 2015, 36, 11.	0.1	1
40	Thickness Effect on the Optical Band Gap of V2O5 Thin Films Deposited by Thermal Evaporation. <i>Semina: Ciãncias Exatas E Tecnolã³gicas</i> , 2018, 38, 59.	0.1	1
41	X-ray diffraction has limited applicability in investigation of milk tampering. <i>Journal of Dairy Research</i> , 2019, 86, 337-340.	1.4	1
42	Influence of the hydrogen content on the optical properties of TiOx thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1672-1680.	2.2	1
43	Diferenciaçãõ dos solos em duas toposequãncias sobre rochas basãlticas no norte-central paranaense. <i>Semina: Ciãncias Agrarias</i> , 2013, 34, 2777.	0.3	1
44	Monochromatic double coloring effect on V2O5 thin films deposited by electron beam. <i>Revista Materia</i> , 2019, 24, .	0.2	1
45	Medida da potãncia tãrmica de refrigeraçãõ a ãgua de uma bomba de vãicuo difusora. <i>Semina: Ciãncias Exatas E Tecnolã³gicas</i> , 2012, 33, 67-72.	0.1	0
46	Effect of RF magnetron sputtering parameters on the optimization of the discharge capacity of ternary lithium oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17462-17472.	2.2	0
47	The influence of synthesis temperature on the HT-LiCoO2 crystallographic properties. <i>Semina: Ciãncias Exatas E Tecnolã³gicas</i> , 2019, 40, 115.	0.1	0
48	Modified sol-gel synthesis of lithium ternary oxide. <i>Semina: Ciãncias Exatas E Tecnolã³gicas</i> , 2022, 43, 21.	0.1	0