

Tarso Ledur Kist

List of Publications by Year
in descending order

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Version: 2024-02-01

44
papers

957
citations

471509

17
h-index

454955

30
g-index

63
all docs

63
docs citations

63
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of DNA sequencing techniques. <i>Quarterly Reviews of Biophysics</i> , 2002, 35, 169-200.	5.7	188
2	Influence of the composition and preparation method on the morphology and swelling behavior of alginate-chitosan hydrogels. <i>Carbohydrate Polymers</i> , 2008, 74, 283-289.	10.2	63
3	A liquid-liquid extraction procedure followed by a low temperature purification step for the analysis of macrocyclic lactones in milk by liquid chromatography-tandem mass spectrometry and fluorescence detection. <i>Analytica Chimica Acta</i> , 2011, 705, 24-29.	5.4	55
4	Recent developments in DNA electrophoretic separations. <i>Electrophoresis</i> , 1998, 19, 1525-1541.	2.4	52
5	Performance of an ultraviolet light-emitting diode-induced fluorescence detector in capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 2445-2448.	2.4	45
6	Separation of biomolecules using electrophoresis and nanostructures. <i>Electrophoresis</i> , 2004, 25, 3492-3497.	2.4	40
7	Analysis of sulfonamides by capillary electrophoresis. <i>Journal of Separation Science</i> , 2009, 32, 854-866.	2.5	39
8	Use of capillary electrophoresis with laser-induced fluorescence detection to screen and liquid chromatography-tandem mass spectrometry to confirm sulfonamide residues: Validation according to European Union 2002/657/EC. <i>Journal of Chromatography A</i> , 2009, 1216, 8254-8261.	3.7	39
9	Quantum Dots as Nonagglomerated Nanofillers for Adhesive Resins. <i>Journal of Dental Research</i> , 2016, 95, 1401-1407.	5.2	38
10	Stochastic Schrödinger equations in cavity QED: physical interpretation and localization. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 1999, 1, 251-263.	1.4	32
11	Evaluation of productivity and antioxidant profile of solid-state cultivated macrofungi <i>Pleurotus albidus</i> and <i>Pycnoporus sanguineus</i> . <i>Bioresource Technology</i> , 2016, 207, 46-51.	9.6	30
12	A review of biomarkers of Alzheimer's disease in noninvasive samples. <i>Biomarkers in Medicine</i> , 2018, 12, 677-690.	1.4	25
13	Cattle tick <i>Boophilus microplus</i> salivary gland contains a thiol-activated metalloendopeptidase displaying kininase activity. <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 1439-1446.	2.7	24
14	Chemical features and bioactivity of grain flours colonized by macrofungi as a strategy for nutritional enrichment. <i>Food Chemistry</i> , 2019, 297, 124988.	8.2	22
15	Trapping Electrophoresis and Ratchets: A Theoretical Study for DNA-Protein Complexes. <i>Biophysical Journal</i> , 1998, 75, 1228-1236.	0.5	21
16	DNA damage in brain cells and behavioral deficits in mice after treatment with high doses of amantadine. <i>Journal of Applied Toxicology</i> , 2010, 30, 745-753.	2.8	20
17	Effect of Whey protein addition on the nutritional, technological and sensory quality of banana cake. <i>International Journal of Food Science and Technology</i> , 2018, 53, 2617-2623.	2.7	20
18	Chemical features and antioxidant profile by <i>Schizophyllum commune</i> produced on different agroindustrial wastes and byproducts of biodiesel production. <i>Food Chemistry</i> , 2020, 329, 127089.	8.2	19

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19	Effect of the preparation method on the drug loading of alginate-chitosan microspheres. EXPRESS Polymer Letters, 2010, 4, 456-464.	2.1	17
20	Production, characterization and dye decolorization ability of a high level laccase from Marasmiellus palmivorus. Biocatalysis and Agricultural Biotechnology, 2017, 12, 15-22.	3.1	17
21	Sample stacking in CZE using dynamic thermal junctions I. Analytes with low pK_a crossing a single thermally induced pH junction in a BGE with high dH/dT . Electrophoresis, 2009, 30, 1501-1509.	2.4	15
22	Use of Pleurotus albidus mycoprotein flour to produce cookies: Evaluation of nutritional enrichment and biological activity. Innovative Food Science and Emerging Technologies, 2021, 68, 102642.	5.6	15
23	Gold nanoparticles enclosed in silica xerogels by high-pressure processing. Journal of Nanoparticle Research, 2011, 13, 4987-4995.	1.9	12
24	Pleurotus albidus Modulates Mitochondrial Metabolism Disrupted by Hyperglycaemia in EA.hy926 Endothelial Cells. BioMed Research International, 2018, 2018, 1-10.	1.9	12
25	Sample stacking in CZE using dynamic thermal junctions II: Analytes with high pK_a crossing a single thermal junction in a BGE with low dH/dT . Electrophoresis, 2009, 30, 1510-1515.	2.4	10
26	Preparation and properties of core-shell alginate-carboxymethylchitosan hydrogels. Polymer International, 2009, 58, 1267-1274.	3.1	10
27	Performance of 3-(4-(bromomethyl)phenyl)-7-(diethylamino) coumarin as a derivatization reagent for the analysis of medium and long chain fatty acids using HPLC with LIF detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1100-1101, 50-57.	2.3	8
28	Nutritional composition of Eragrostis teff and its association with the observed antimutagenic effects. RSC Advances, 2019, 9, 3764-3776.	3.6	7
29	Effects of bioactive compounds from Pleurotus mushrooms on COVID-19 risk factors associated with the cardiovascular system. Journal of Integrative Medicine, 2022, 20, 385-395.	3.1	7
30	Performance of a sound card as data acquisition system and a lock-in emulated by software in capillary electrophoresis. Talanta, 2007, 71, 1998-2002.	5.5	6
31	Number of theoretical plates achievable by a toroidal capillary electrophoresis system. Journal of Separation Science, 2017, 40, 4619-4627.	2.5	6
32	Solitary Waves of Molecular Distributions in Liquids Generated by Electrophoresis and Optical Fields. Physical Review Letters, 1995, 75, 1210-1213.	7.8	5
33	Trapping state stabilization in a micromaser with a mixed atomic beam. Physical Review A, 1997, 55, 2304-2309.	2.5	5
34	Effect of Teff (Eragrostis tef) on Chemical and Technological Quality of Gluten-free Breads. Journal of Culinary Science and Technology, 2020, 18, 535-548.	1.4	5
35	The propagator (retarded Green function) formalism as a new calculation method to predict the time evolution of bands in capillary electrophoresis and microchannels. Electrophoresis, 2002, 23, 2704-2709.	2.4	4
36	Theory of solitary waves in electrophoresis. Electrophoresis, 1996, 17, 1173-1180.	2.4	3

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37	Cyclic band compression in toroidal capillary electrophoresis delivers an unlimited number of theoretical plates with a quadratic growth in time and a constant peak capacity. <i>Journal of Separation Science</i> , 2018, 41, 2640-2650.	2.5	3
38	Potential of teff (<i>Eragrostis tef</i>) flour as an ingredient in gluten-free cakes: chemical, technological and sensory quality. <i>International Journal of Food Science and Technology</i> , 2022, 57, 2051-2059.	2.7	3
39	Influence of teff flour and its association with other flours on the nutritional, technological, and sensory quality of bakery products. <i>International Journal of Food Science and Technology</i> , 2022, 57, 1508-1516.	2.7	3
40	Experimental observation of light-induced solitary waves of analyte bands in capillary electrophoresis. <i>Electrophoresis</i> , 1999, 20, 2493-2500.	2.4	2
41	Beneficial effects of <i>Pleurotus albidus</i> supplementation on body weight and food intake in healthy C57BL/6 mice. <i>Journal of Future Foods</i> , 2021, 1, 98-103.	4.7	2
42	Take a good catch at the scat: carboxylic and sulfonic acid profiles as a non-invasive tool for species identification and sex determination in neotropical carnivores. <i>Studies on Neotropical Fauna and Environment</i> , 2023, 58, 540-549.	1.0	2
43	Antioxidant capacity, phenolic compounds, carotenoids, and vitamins in gluten-free breads made with teff (<i>Eragrostis tef</i>) and associated flours. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	2.0	2
44	Polyimide removal, cleaving, and fusion splicing of cylindrical and square fused silica capillaries for new separation and detection layouts in capillary electrophoresis and chromatography. <i>Journal of Separation Science</i> , 2021, 44, 2438-2448.	2.5	0