

LuÃ-s Passarinha

List of Publications by Year in descending order

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papers

851
citations

516710
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67
all docs

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docs citations

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times ranked

975
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular endothelial growth factors and placenta growth factor in retinal vasculopathies: Current research and future perspectives. <i>Cytokine and Growth Factor Reviews</i> , 2018, 39, 102-115.	7.2	47
2	<i>Pichia pastoris</i> : A Recombinant Microfactory for Antibodies and Human Membrane Proteins. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 587-601.	2.1	45
3	Targeting STEAP1 Protein in Human Cancer: Current Trends and Future Challenges. <i>Current Cancer Drug Targets</i> , 2018, 18, 222-230.	1.6	41
4	Enhanced performance of polymer-polymer aqueous two-phase systems using ionic liquids as adjuvants towards the purification of recombinant proteins. <i>Separation and Purification Technology</i> , 2020, 248, 117051.	7.9	39
5	Vitreous humor in the pathologic scope: Insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015, 9, 187-202.	1.6	31
6	Trends in Protein-Based Biosensor Assemblies for Drug Screening and Pharmaceutical Kinetic Studies. <i>Molecules</i> , 2014, 19, 12461-12485.	3.8	30
7	Choroid plexus is an additional source of melatonin in the brain. <i>Journal of Pineal Research</i> , 2018, 65, e12528.	7.4	30
8	Influence of Growth Conditions on Plasmid DNA Production. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 1408-14.	2.1	28
9	Analytical approach to determine biogenic amines in urine using microextraction in packed syringe and liquid chromatography coupled to electrochemical detection. <i>Biomedical Chromatography</i> , 2013, 27, 608-614.	1.7	28
10	Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014, 35, 2495-2508.	2.4	28
11	Recent Developments in New Therapeutic Agents against Alzheimer and Parkinson Diseases: In-Silico Approaches. <i>Molecules</i> , 2021, 26, 2193.	3.8	25
12	Evaluation of MutS and Mut+ <i>Pichia pastoris</i> Strains for Membrane-Bound Catechol-O-Methyltransferase Biosynthesis. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3840-3855.	2.9	22
13	Optimization of fermentation conditions for the production of human soluble catechol-O-methyltransferase by <i>Escherichia coli</i> using artificial neural network. <i>Journal of Biotechnology</i> , 2012, 160, 161-168.	3.8	21
14	A new approach on the purification of recombinant human soluble catechol-O-methyltransferase from an <i>Escherichia coli</i> extract using hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 2008, 1177, 287-296.	3.7	20
15	In Silico Approaches: A Way to Unveil Novel Therapeutic Drugs for Cervical Cancer Management. <i>Pharmaceuticals</i> , 2021, 14, 741.	3.8	19
16	Follicular Fluid: A Powerful Tool for the Understanding and Diagnosis of Polycystic Ovary Syndrome. <i>Biomedicines</i> , 2022, 10, 1254.	3.2	18
17	Comparative study on the interaction of recombinant human soluble catechol-O-methyltransferase on some hydrophobic adsorbents. <i>Biomedical Chromatography</i> , 2007, 21, 430-438.	1.7	17
18	Evaluation of the growth factors VEGF-a and VEGF-B in the vitreous and serum of patients with macular and retinal vascular diseases. <i>Growth Factors</i> , 2018, 36, 48-57.	1.7	17

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19	iTRAQ Quantitative Proteomic Analysis of Vitreous from Patients with Retinal Detachment. International Journal of Molecular Sciences, 2018, 19, 1157.	4.1	17
20	Biosynthesis and isolation of gellan polysaccharide to formulate microspheres for protein capture. Carbohydrate Polymers, 2019, 220, 236-246.	10.2	17
21	An Update on the Implications of New Psychoactive Substances in Public Health. International Journal of Environmental Research and Public Health, 2022, 19, 4869.	2.6	17
22	The effect of temperature on the analysis of metanephrine for catechol-O-methyltransferase activity assay by HPLC with electrochemical detection. Biomedical Chromatography, 2006, 20, 937-944.	1.7	15
23	A novel prokaryotic expression system for biosynthesis of recombinant human membrane-bound catechol-O-methyltransferase. Journal of Biotechnology, 2011, 156, 141-146.	3.8	15
24	Low-cost purification of nisin from milk whey to a highly active product. Food and Bioproducts Processing, 2015, 93, 115-121.	3.6	15
25	Determination of ethyl glucuronide and fatty acid ethyl esters in hair samples. Biomedical Chromatography, 2017, 31, e3858.	1.7	15
26	The relationship between Candida species charge density and chitosan activity evaluated by ion-exchange chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3749-3751.	2.3	14
27	Separation of different forms of proteose peptone 3 by hydrophobic interaction chromatography with a dual salt system. Biomedical Chromatography, 2008, 22, 447-449.	1.7	12
28	VEGF-B Levels in the Vitreous of Diabetic and Non-Diabetic Patients with Ocular Diseases and Its Correlation with Structural Parameters. Medical Sciences (Basel, Switzerland), 2017, 5, 17.	2.9	12
29	Recent Developments in the Determination of Biomarkers of Tobacco Smoke Exposure in Biological Specimens: A Review. International Journal of Environmental Research and Public Health, 2021, 18, 1768.	2.6	12
30	Enhanced biosynthesis of plasmid DNA from Escherichia coli VH33 using Boxâ€Behnken design associated to aromatic amino acids pathway. Biochemical Engineering Journal, 2015, 98, 117-126.	3.6	11
31	Application of a Fed-Batch Bioprocess for the Heterologous Production of hSCOMT in Escherichia coli. Journal of Microbiology and Biotechnology, 2009, 19, 972-981.	2.1	11
32	Performance of hydrophobic interaction ligands for human membrane-bound catechol-O-methyltransferase purification. Journal of Separation Science, 2013, 36, 1693-1702.	2.5	10
33	Recovery of biological active catechol-O-methyltransferase isoforms from Q-sepharose. Journal of Separation Science, 2014, 37, 20-29.	2.5	10
34	Analysis of hSCOMT adsorption in bioaffinity chromatography with immobilized amino acids: The influence of pH and ionic strength. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1704-1706.	2.3	9
35	An artificial neural network for membrane-bound catechol-O-methyltransferase biosynthesis with Pichia pastoris methanol-induced cultures. Microbial Cell Factories, 2015, 14, 113.	4.0	9
36	Alcohol consumption assessment in a student population through combined hair analysis for ethyl glucuronide and fatty acid ethyl esters. Forensic Science International, 2019, 294, 39-47.	2.2	9

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37	Biosynthesis and purification of histidineâ€tagged human soluble catecholâ€methyltransferase. Journal of Chemical Technology and Biotechnology, 2016, 91, 3035-3044.	3.2	7
38	Proteome analysis of vitreous humor in retinal detachment using two different flow-charts for protein fractionation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1061-1062, 334-341.	2.3	7
39	Taxifolin and Lucidin as Potential E6 Protein Inhibitors: p53 Function Re-Establishment and Apoptosis Induction in Cervical Cancer Cells. Cancers, 2022, 14, 2834.	3.7	7
40	Assessment of COMT isolation by HIC using a dual salt system and low temperature. Biomedical Chromatography, 2010, 24, 858-862.	1.7	6
41	Optimization of a chromatographic stationary phase based on gellan gum using central composite design. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 957, 46-52.	2.3	6
42	Purification of Histidine-Tagged Membrane-Bound Catechol-O-Methyltransferase from Detergent-Solubilized Pichia pastoris Membranes. Chromatographia, 2018, 81, 425-434.	1.3	6
43	Smoothing membrane protein structure determination by initial upstream stage improvements. Applied Microbiology and Biotechnology, 2019, 103, 5483-5500.	3.6	6
44	Stability of Cocaine, Opiates, and Metabolites in Dried Saliva Spots. Molecules, 2022, 27, 641.	3.8	6
45	Advances in Membrane-Bound Catechol-O-Methyltransferase Stability Achieved Using a New Ionic Liquid-Based Storage Formulation. International Journal of Molecular Sciences, 2022, 23, 7264.	4.1	6
46	Purification of Membrane-Bound Catechol-O-Methyltransferase by Arginine-Affinity Chromatography. Chromatographia, 2015, 78, 1339-1348.	1.3	5
47	Refinement of two-dimensional electrophoresis for vitreous proteome profiling using an artificial neural network. Analytical and Bioanalytical Chemistry, 2019, 411, 5115-5126.	3.7	5
48	Impact of glycerol feeding profiles on STEAP1 biosynthesis by Komagataella pastoris using a methanol-inducible promoter. Applied Microbiology and Biotechnology, 2021, 105, 4635-4648.	3.6	5
49	Enhanced Stability of Detergent-Free Human Native STEAP1 Protein from Neoplastic Prostate Cancer Cells upon an Innovative Isolation Procedure. International Journal of Molecular Sciences, 2021, 22, 10012.	4.1	5
50	Promoter Demethylation Upregulates STEAP1 Gene Expression in Human Prostate Cancer: In Vitro and In Silico Analysis. Life, 2021, 11, 1251.	2.4	5
51	Comprehensive Landscape of STEAP Family Members Expression in Human Cancers: Unraveling the Potential Usefulness in Clinical Practice Using Integrated Bioinformatics Analysis. Data, 2022, 7, 64.	2.3	5
52	Discovery of Small Molecules as Membrane-Bound Catechol-O-methyltransferase Inhibitors with Interest in Parkinsonâ€™s Disease: Pharmacophore Modeling, Molecular Docking and In Vitro Experimental Validation Studies. Pharmaceuticals, 2022, 15, 51.	3.8	4
53	Development of fed-batch profiles for efficient biosynthesis of catechol-O-methyltransferase. Biotechnology Reports (Amsterdam, Netherlands), 2014, 3, 34-41.	4.4	3
54	A new insight in gellan microspheres application to capture a plasmid DNA vaccine from an Escherichia coli lysate. Separation and Purification Technology, 2021, 274, 119013.	7.9	3

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55	Applications of gellan natural polymer microspheres in recombinant catechol-O-methyltransferase direct capture from a Komagataella pastoris lysate. International Journal of Biological Macromolecules, 2021, 172, 186-196.	7.5	2
56	Optimization and validation of a procedure using the dried saliva spots approach for the determination of tobacco markers in oral fluid. Journal of Pharmaceutical and Biomedical Analysis, 2022, 212, 114648.	2.8	2
57	Maximization of the Minicircle DNA Vaccine Production Expressing SARS-CoV-2 RBD. Biomedicines, 2022, 10, 990.	3.2	2
58	Tyrosinase Immobilization in Nickel-Cross-Linked Gellan Microspheres and Conversion of L-DOPA to Dopachrome. Journal of Chemical Education, 0, , .	2.3	1
59	An Improved HPLC Method for Quantification of Metanephrine with Coulometric Detection. Journal of Chromatography & Separation Techniques, 2014, 05, .	0.2	1
60	Enhanced Biosynthesis of Plasmid DNA from Escherichia coli Applying Experimental Design. Methods in Molecular Biology, 2021, 2197, 135-150.	0.9	0
61	Advances on Bioanalysis: Recent Approaches in the Determination of Biomarkers, Drugs of Abuse and Medicines. Molecules, 2022, 27, 3188.	3.8	0