

LuÃ-s Passarinha

List of Publications by Year in descending order

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61
papers

851
citations

516215

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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.	3.2	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.	0.9	45
3	Targeting STEAP1 Protein in Human Cancer: Current Trends and Future Challenges. <i>Current Cancer Drug Targets</i> , 2018, 18, 222-230.	0.8	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.	3.9	39
5	Vitreous humor in the pathologic scope: Insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015, 9, 187-202.	0.8	31
6	Trends in Protein-Based Biosensor Assemblies for Drug Screening and Pharmaceutical Kinetic Studies. <i>Molecules</i> , 2014, 19, 12461-12485.	1.7	30
7	Choroid plexus is an additional source of melatonin in the brain. <i>Journal of Pineal Research</i> , 2018, 65, e12528.	3.4	30
8	Influence of Growth Conditions on Plasmid DNA Production. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 1408-14.	0.9	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.	0.8	28
10	Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014, 35, 2495-2508.	1.3	28
11	Recent Developments in New Therapeutic Agents against Alzheimer and Parkinson Diseases: In-Silico Approaches. <i>Molecules</i> , 2021, 26, 2193.	1.7	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.	1.4	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.	1.9	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.	1.8	20
15	In Silico Approaches: A Way to Unveil Novel Therapeutic Drugs for Cervical Cancer Management. <i>Pharmaceuticals</i> , 2021, 14, 741.	1.7	19
16	Follicular Fluid: A Powerful Tool for the Understanding and Diagnosis of Polycystic Ovary Syndrome. <i>Biomedicines</i> , 2022, 10, 1254.	1.4	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.	0.8	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.	0.5	17

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19	iTRAQ Quantitative Proteomic Analysis of Vitreous from Patients with Retinal Detachment. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1157.	1.8	17
20	Biosynthesis and isolation of gellan polysaccharide to formulate microspheres for protein capture. <i>Carbohydrate Polymers</i> , 2019, 220, 236-246.	5.1	17
21	An Update on the Implications of New Psychoactive Substances in Public Health. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4869.	1.2	17
22	The effect of temperature on the analysis of metanephrine for catechol-O-methyltransferase activity assay by HPLC with electrochemical detection. <i>Biomedical Chromatography</i> , 2006, 20, 937-944.	0.8	15
23	A novel prokaryotic expression system for biosynthesis of recombinant human membrane-bound catechol-O-methyltransferase. <i>Journal of Biotechnology</i> , 2011, 156, 141-146.	1.9	15
24	Low-cost purification of nisin from milk whey to a highly active product. <i>Food and Bioproducts Processing</i> , 2015, 93, 115-121.	1.8	15
25	Determination of ethyl glucuronide and fatty acid ethyl esters in hair samples. <i>Biomedical Chromatography</i> , 2017, 31, e3858.	0.8	15
26	The relationship between <i>Candida</i> species charge density and chitosan activity evaluated by ion-exchange chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3749-3751.	1.2	14
27	Separation of different forms of proteose peptone 3 by hydrophobic interaction chromatography with a dual salt system. <i>Biomedical Chromatography</i> , 2008, 22, 447-449.	0.8	12
28	VEGF-B Levels in the Vitreous of Diabetic and Non-Diabetic Patients with Ocular Diseases and Its Correlation with Structural Parameters. <i>Medical Sciences (Basel, Switzerland)</i> , 2017, 5, 17.	1.3	12
29	Recent Developments in the Determination of Biomarkers of Tobacco Smoke Exposure in Biological Specimens: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1768.	1.2	12
30	Enhanced biosynthesis of plasmid DNA from <i>Escherichia coli</i> VH33 using Boxâ€™Behnken design associated to aromatic amino acids pathway. <i>Biochemical Engineering Journal</i> , 2015, 98, 117-126.	1.8	11
31	Application of a Fed-Batch Bioprocess for the Heterologous Production of hSCOMT in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 972-981.	0.9	11
32	Performance of hydrophobic interaction ligands for human membrane-bound catechol-O-methyltransferase purification. <i>Journal of Separation Science</i> , 2013, 36, 1693-1702.	1.3	10
33	Recovery of biological active catechol-O-methyltransferase isoforms from Q-sepharose. <i>Journal of Separation Science</i> , 2014, 37, 20-29.	1.3	10
34	Analysis of hSCOMT adsorption in bioaffinity chromatography with immobilized amino acids: The influence of pH and ionic strength. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1704-1706.	1.2	9
35	An artificial neural network for membrane-bound catechol-O-methyltransferase biosynthesis with <i>Pichia pastoris</i> methanol-induced cultures. <i>Microbial Cell Factories</i> , 2015, 14, 113.	1.9	9
36	Alcohol consumption assessment in a student population through combined hair analysis for ethyl glucuronide and fatty acid ethyl esters. <i>Forensic Science International</i> , 2019, 294, 39-47.	1.3	9

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37	Biosynthesis and purification of histidine-tagged human soluble catechol-O-methyltransferase. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 3035-3044.	1.6	7
38	Proteome analysis of vitreous humor in retinal detachment using two different flow-charts for protein fractionation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 334-341.	1.2	7
39	Taxifolin and Lucidin as Potential E6 Protein Inhibitors: p53 Function Re-Establishment and Apoptosis Induction in Cervical Cancer Cells. <i>Cancers</i> , 2022, 14, 2834.	1.7	7
40	Assessment of COMT isolation by HIC using a dual salt system and low temperature. <i>Biomedical Chromatography</i> , 2010, 24, 858-862.	0.8	6
41	Optimization of a chromatographic stationary phase based on gellan gum using central composite design. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 957, 46-52.	1.2	6
42	Purification of Histidine-Tagged Membrane-Bound Catechol-O-Methyltransferase from Detergent-Solubilized <i>Pichia pastoris</i> Membranes. <i>Chromatographia</i> , 2018, 81, 425-434.	0.7	6
43	Smoothing membrane protein structure determination by initial upstream stage improvements. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5483-5500.	1.7	6
44	Stability of Cocaine, Opiates, and Metabolites in Dried Saliva Spots. <i>Molecules</i> , 2022, 27, 641.	1.7	6
45	Advances in Membrane-Bound Catechol-O-Methyltransferase Stability Achieved Using a New Ionic Liquid-Based Storage Formulation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7264.	1.8	6
46	Purification of Membrane-Bound Catechol-O-Methyltransferase by Arginine-Affinity Chromatography. <i>Chromatographia</i> , 2015, 78, 1339-1348.	0.7	5
47	Refinement of two-dimensional electrophoresis for vitreous proteome profiling using an artificial neural network. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5115-5126.	1.9	5
48	Impact of glycerol feeding profiles on STEAP1 biosynthesis by <i>Komagataella pastoris</i> using a methanol-inducible promoter. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4635-4648.	1.7	5
49	Enhanced Stability of Detergent-Free Human Native STEAP1 Protein from Neoplastic Prostate Cancer Cells upon an Innovative Isolation Procedure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10012.	1.8	5
50	Promoter Demethylation Upregulates STEAP1 Gene Expression in Human Prostate Cancer: In Vitro and In Silico Analysis. <i>Life</i> , 2021, 11, 1251.	1.1	5
51	Comprehensive Landscape of STEAP Family Members Expression in Human Cancers: Unraveling the Potential Usefulness in Clinical Practice Using Integrated Bioinformatics Analysis. <i>Data</i> , 2022, 7, 64.	1.2	5
52	Discovery of Small Molecules as Membrane-Bound Catechol-O-methyltransferase Inhibitors with Interest in Parkinson's Disease: Pharmacophore Modeling, Molecular Docking and In Vitro Experimental Validation Studies. <i>Pharmaceutics</i> , 2022, 15, 51.	1.7	4
53	Development of fed-batch profiles for efficient biosynthesis of catechol-O-methyltransferase. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 3, 34-41.	2.1	3
54	A new insight in gellan microspheres application to capture a plasmid DNA vaccine from an <i>Escherichia coli</i> lysate. <i>Separation and Purification Technology</i> , 2021, 274, 119013.	3.9	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.	3.6	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.	1.4	2
57	Maximization of the Minicircle DNA Vaccine Production Expressing SARS-CoV-2 RBD. Biomedicines, 2022, 10, 990.	1.4	2
58	Tyrosinase Immobilization in Nickel-Cross-Linked Gellan Microspheres and Conversion of L-DOPA to Dopachrome. Journal of Chemical Education, 0, , .	1.1	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.	0.4	0
61	Advances on Bioanalysis: Recent Approaches in the Determination of Biomarkers, Drugs of Abuse and Medicines. Molecules, 2022, 27, 3188.	1.7	0