

Jos Barbosa

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2865362/jose-barbosa-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

2,510
citations

31
h-index

45
g-index

87
ext. papers

2,688
ext. citations

5.3
avg, IF

4.79
L-index

#	Paper	IF	Citations
87	A rapid and simple method for the determination of organic acids in proteolytic enzymes by capillary electrophoresis with indirect ultraviolet detection. <i>Microchemical Journal</i> , 2020 , 158, 105204	4.8	2
86	Analysis of Hordeins in Barley Grain and Malt by Capillary Electrophoresis-Mass Spectrometry. <i>Food Analytical Methods</i> , 2020 , 13, 325-336	3.4	3
85	On-line protein digestion by immobilized enzyme microreactor capillary electrophoresis-mass spectrometry. <i>Talanta</i> , 2019 , 199, 116-123	6.2	16
84	Identification of antihypertensive peptides in nutraceuticals by capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1579, 129-137	4.5	10
83	On-line immunoaffinity solid-phase extraction capillary electrophoresis mass spectrometry using Fab antibody fragments for the analysis of serum transthyretin. <i>Talanta</i> , 2017 , 170, 224-232	6.2	17
82	Determination of acidity constants and prediction of electrophoretic separation of amyloid beta peptides. <i>Journal of Chromatography A</i> , 2017 , 1508, 148-157	4.5	5
81	Analysis of O-Glycopeptides by Acetone Enrichment and Capillary Electrophoresis-Mass Spectrometry. <i>Journal of Proteome Research</i> , 2017 , 16, 4166-4176	5.6	15
80	Zwitterionic-hydrophilic interaction capillary liquid chromatography coupled to tandem mass spectrometry for the characterization of human alpha-acid-glycoprotein N-glycan isomers. <i>Analytica Chimica Acta</i> , 2017 , 991, 76-88	6.6	17
79	Metabolic profiling for the identification of Huntington biomarkers by on-line solid-phase extraction capillary electrophoresis mass spectrometry combined with advanced data analysis tools. <i>Electrophoresis</i> , 2016 , 37, 795-808	3.6	26
78	Wildlife contamination with fluoroquinolones from livestock: Widespread occurrence of enrofloxacin and marbofloxacin in vultures. <i>Chemosphere</i> , 2016 , 144, 1536-43	8.4	45
77	Improved tryptic digestion assisted with an acid-labile anionic surfactant for the separation and characterization of glycopeptide glycoforms of a proteolytic-resistant glycoprotein by capillary electrophoresis time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2016 , 37, 987-97	3.6	7
76	Analysis of serum transthyretin by on-line immunoaffinity solid-phase extraction capillary electrophoresis mass spectrometry using magnetic beads. <i>Electrophoresis</i> , 2016 , 37, 1220-31	3.6	18
75	Comparison of capillary electrophoresis and capillary liquid chromatography coupled to mass spectrometry for the analysis of transthyretin in human serum. <i>Journal of Chromatography A</i> , 2016 , 1444, 145-53	4.5	8
74	Classification of congenital disorders of glycosylation based on analysis of transferrin glycopeptides by capillary liquid chromatography-mass spectrometry. <i>Talanta</i> , 2016 , 160, 614-623	6.2	11
73	Identification and characterization of isomeric N-glycans of human alfa-acid-glycoprotein by stable isotope labelling and ZIC-HILIC-MS in combination with exoglycosidase digestion. <i>Analytica Chimica Acta</i> , 2016 , 940, 92-103	6.6	40
72	Pentacyclic triterpene in <i>Olea europaea</i> L: A simultaneous determination by high-performance liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2015 , 1410, 68-75	4.5	27
71	Modelling the electrophoretic migration behaviour of peptides and glycopeptides from glycoprotein digests in capillary electrophoresis-mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 854, 169-77	6.6	17

70	Analysis of transthyretin in human serum by capillary zone electrophoresis electrospray ionization time-of-flight mass spectrometry. Application to familial amyloidotic polyneuropathy type I. <i>Electrophoresis</i> , 2015 , 36, 1265-73	3.6	20
69	Identification of metabolites and thermal transformation products of quinolones in raw cow's milk by liquid chromatography coupled to high-resolution mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 2008-21	5.7	22
68	On-line immunoaffinity solid-phase extraction capillary electrophoresis mass spectrometry for the analysis of large biomolecules: a preliminary report. <i>Electrophoresis</i> , 2014 , 35, 2130-6	3.6	5
67	Multiclass method for the determination of quinolones and β -lactams, in raw cow milk using dispersive liquid-liquid microextraction and ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1356, 10-22	4.5	55
66	Characterization of superoxide dismutase 1 (SOD-1) by electrospray ionization-ion mobility mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 60-7	2.2	6
65	Comparison of Three Analytical Methods for the Determination of Quinolones in Pig Muscle Samples. <i>Chromatographia</i> , 2013 , 76, 707-713	2.1	10
64	An update for human blood plasma pretreatment for optimized recovery of low-molecular-mass peptides prior to CE-MS and SPE-CE-MS. <i>Journal of Separation Science</i> , 2013 , 36, 3896-902	3.4	24
63	Analysis of human transferrin glycopeptides by capillary electrophoresis and capillary liquid chromatography-mass spectrometry. Application to diagnosis of alcohol dependence. <i>Analytica Chimica Acta</i> , 2013 , 804, 167-75	6.6	24
62	Preparation and evaluation of an immunoaffinity sorbent with Fab antibody fragments for the analysis of opioid peptides by on-line immunoaffinity solid-phase extraction capillary electrophoresis-mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 789, 91-9	6.6	26
61	Identification of bioactive peptides in hypoallergenic infant milk formulas by CE-TOF-MS assisted by semiempirical model of electromigration behavior. <i>Electrophoresis</i> , 2013 , 34, 1886-94	3.6	37
60	Analysis of recombinant human erythropoietin glycopeptides by capillary electrophoresis electrospray-time of flight-mass spectrometry. <i>Analytica Chimica Acta</i> , 2012 , 709, 81-90	6.6	39
59	Preparation and evaluation of an immunoaffinity sorbent for the analysis of opioid peptides by on-line immunoaffinity solid-phase extraction capillary electrophoresis-mass spectrometry. <i>Analytica Chimica Acta</i> , 2012 , 717, 134-42	6.6	27
58	Separation and characterization of superoxide dismutase 1 (SOD-1) from human erythrocytes by capillary electrophoresis time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2012 , 33, 2561-9	3.6	11
57	Identification of bioactive peptides in a functional yogurt by micro liquid chromatography time-of-flight mass spectrometry assisted by retention time prediction. <i>Journal of Chromatography A</i> , 2012 , 1229, 121-8	4.5	42
56	Capillary electrophoresis time-of-flight mass spectrometry for a confident elucidation of a glycopeptide map of recombinant human erythropoietin. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2307-16	2.2	27
55	Transient isotachopheresis in on-line solid phase extraction capillary electrophoresis time-of-flight-mass spectrometry for peptide analysis in human plasma. <i>Electrophoresis</i> , 2011 , 32, 1750-9	3.6	33
54	Evaluation of migration behaviour of therapeutic peptide hormones in capillary electrophoresis using polybrene-coated capillaries. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 1571-9	4.4	6
53	Ionic liquid matrices for MALDI-TOF-MS analysis of intact glycoproteins. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 357-65	4.4	24

52	Identification of bioactive peptides in hypoallergenic infant milk formulas by capillary electrophoresis-mass spectrometry. <i>Analytica Chimica Acta</i> , 2010 , 683, 119-25	6.6	39
51	Modeling the electrophoretic behavior of quinolones in aqueous and hydroorganic media. <i>Electrophoresis</i> , 2010 , 31, 965-72	3.6	11
50	Investigation of commercial sorbents for the analysis of opioid peptides in human plasma by on-line SPE-CE. <i>Journal of Separation Science</i> , 2010 , 33, 1294-304	3.4	18
49	Assessment of capillary electrophoresis TOF MS for a confident identification of peptides. <i>Journal of Separation Science</i> , 2010 , 33, 2489-98	3.4	15
48	Capillary electrophoresis/mass spectrometry for the separation and characterization of bovine Cu,Zn-superoxide dismutase. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1411-8	2.2	13
47	Determination of penicillins in milk using LC-UV, LC-MS and LC-MS/MS. <i>Journal of Separation Science</i> , 2009 , 32, 2385-93	3.4	25
46	Analysis of recombinant human erythropoietin and novel erythropoiesis stimulating protein digests by immunoaffinity capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 2574-82	4.5	29
45	Determination of Dissociation Constants of Some Hydroxylated Benzoic and Cinnamic Acids in Water from Mobility and Spectroscopic Data Obtained by CE-DAD. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 807-811	2.8	38
44	Sensitivity enhancement for the analysis of naproxen in tap water by solid-phase extraction coupled in-line to capillary electrophoresis. <i>Journal of Separation Science</i> , 2008 , 31, 872-80	3.4	30
43	Analysis of intact erythropoietin and novel erythropoiesis-stimulating protein by capillary electrophoresis-electrospray-ion trap mass spectrometry. <i>Electrophoresis</i> , 2008 , 29, 2161-70	3.6	37
42	Modeling the migration behavior of rabbit liver apothioneins in capillary electrophoresis. <i>Electrophoresis</i> , 2008 , 29, 2790-800	3.6	4
41	Evaluation of on-line solid phase extraction-capillary electrophoresis-electrospray-mass spectrometry for the analysis of neuropeptides in human plasma. <i>Electrophoresis</i> , 2008 , 29, 3366-76	3.6	44
40	A multiway approach for classification and characterization of rabbit liver apothioneins by CE-ESI-MS. <i>Electrophoresis</i> , 2008 , 29, 4355-67	3.6	19
39	CE-ESI-MS of biological anions in plastic capillaries at high pH. <i>Electrophoresis</i> , 2007 , 28, 944-9	3.6	9
38	Characterization of transferrin glycoforms in human serum by CE-UV and CE-ESI-MS. <i>Electrophoresis</i> , 2007 , 28, 1949-57	3.6	50
37	Analysis of opioid peptides by on-line SPE-CE-ESI-MS. <i>Electrophoresis</i> , 2007 , 28, 3957-65	3.6	38
36	Lowering the concentration limits of detection by on-line solid-phase extraction-capillary electrophoresis-electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1140, 205-12	4.5	60
35	Improving the sensitivity of the determination of ceftiofur by capillary electrophoresis in environmental water samples: in-line solid phase extraction and sample stacking techniques. <i>Analytica Chimica Acta</i> , 2007 , 587, 208-15	6.6	37

34	Towards a reliable molecular mass determination of intact glycoproteins by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2555-63	2.2	34
33	Determination of human erythropoietin by on-line immunoaffinity capillary electrophoresis: a preliminary report. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 2633-9	4.4	30
32	Determination of phenolic acids in strawberry samples by means of fast liquid chromatography and multivariate curve resolution methods. <i>Talanta</i> , 2007 , 71, 1455-63	6.2	42
31	Separation and characterization of rabbit liver apothioneins by capillary electrophoresis coupled to electrospray ionization time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2006 , 27, 3661-70	3.6	20
30	Glycoform characterization of erythropoietin combining glycan and intact protein analysis by capillary electrophoresis - electrospray - time-of-flight mass spectrometry. <i>Electrophoresis</i> , 2006 , 27, 2638-50	3.6	107
29	Estimation of the composition of recombinant human erythropoietin mixtures using capillary electrophoresis and multivariate calibration methods. <i>Electrophoresis</i> , 2006 , 27, 4008-15	3.6	10
28	Evaluation of the electrophoretic behaviour of opioid peptides Separation by capillary electrophoresis-electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 577, 68-76	6.6	27
27	Modelling migration behavior of peptide hormones in capillary electrophoresis-electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2006 , 1117, 94-102	4.5	38
26	Comparison of sheathless and sheath-flow electrospray interfaces for the capillary electrophoresis-electrospray ionization-mass spectrometry analysis of peptides. <i>Electrophoresis</i> , 2005 , 26, 1457-65	3.6	54
25	Capillary electrophoresis and matrix-assisted laser desorption/ionization-time of flight-mass spectrometry for analysis of the novel erythropoiesis-stimulating protein (NESP). <i>Electrophoresis</i> , 2005 , 26, 1451-6	3.6	29
24	Effective sorbents for solid-phase extraction in the analysis of quinolones in animal tissues by capillary electrophoresis. <i>Electrophoresis</i> , 2004 , 25, 65-73	3.6	35
23	Separation and characterization of complex crude mixtures produced in the synthesis of therapeutic peptide hormones by liquid chromatography coupled to electrospray mass spectrometry (LCES-MS). <i>Analytica Chimica Acta</i> , 2004 , 521, 25-36	6.6	12
22	Separation of recombinant human erythropoietin glycoforms by capillary electrophoresis using volatile electrolytes. Assessment of mass spectrometry for the characterization of erythropoietin glycoforms. <i>Analytical Chemistry</i> , 2003 , 75, 5220-9	7.8	62
21	Liquid chromatography-mass spectrometry approach for the characterization and purification of crude synthetic peptide hormones. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 306-15	4.4	9
20	Capillary electrophoresis coupled to time of flight-mass spectrometry of therapeutic peptide hormones. <i>Electrophoresis</i> , 2003 , 24, 883-91	3.6	46
19	Determination of residues of enrofloxacin and its metabolite ciprofloxacin in chicken muscle by capillary electrophoresis using laser-induced fluorescence detection. <i>Electrophoresis</i> , 2002 , 23, 3078-83	3.6	58
18	Migration behavior of therapeutic peptide hormones: prediction of optimal separation by capillary electrophoresis. <i>Electrophoresis</i> , 2001 , 22, 4333-40	3.6	25
17	Modelling retention in liquid chromatography as a function of solvent composition and pH of the mobile phase. <i>Journal of Chromatography A</i> , 2000 , 869, 27-39	4.5	52

16	Electrophoretic behaviour of zwitterionic compounds in capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2000 , 415, 83-93	6.6	27
15	Autoprotolysis Constants and Standardization of pH Measurements in Tetrahydrofuran-Water Mixtures. <i>Electroanalysis</i> , 1999 , 11, 627-631	3	8
14	Preferential solvation in the THF-water mixtures. Dissociation constants of acid components of pH reference materials. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 295-298	3.6	18
13	Assignment of reference pH-values to primary standard buffer solutions for standardization of potentiometric sensors in acetonitrile-water mixtures. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 353, 148-155		69
12	Assignment of reference pH-values to primary standard buffer solutions for standardization of potentiometric sensors in acetonitrile-water mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 1995 , 353, 148-55	4.4	0
11	PKPOT, a program for the potentiometric study of ionic equilibria in aqueous and non-aqueous media. <i>Analytica Chimica Acta</i> , 1995 , 317, 75-81	6.6	37
10	Effect of Glycemic Control on Early Diabetic Renal Lesions. <i>JAMA - Journal of the American Medical Association</i> , 1994 , 272, 600	27.4	80
9	Preferential solvation in acetonitrile-water mixtures. Relationship between solvatochromic parameters and standard pH values. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 3287-3292 ⁷³		
8	Homozygous parent affected sib pair method for detecting disease predisposing variants: application to insulin dependent diabetes mellitus. <i>Genetic Epidemiology</i> , 1993 , 10, 273-88	2.6	45
7	Standardization of potentiometric sensors in tetrahydrofuran. <i>Analytica Chimica Acta</i> , 1992 , 264, 229-238	3.6	19
6	Equilibrium constants and assay of benzodiazepines in acetic acid. <i>Analyst, The</i> , 1989 , 114, 471-4	5	10
5	Neutralisation indicators in 2-methylpropan-2-ol: their pKa values and chromatic parameters of transition ranges. <i>Analyst, The</i> , 1987 , 112, 179-184	5	12
4	Study of neutralisation indicators in propan-2-ol: their pKa values and chromatic parameters of transition ranges. <i>Analyst, The</i> , 1985 , 110, 1473-1476	5	6
3	HLA and susceptibility to type I diabetes. Hypothesis. <i>Tissue Antigens</i> , 1982 , 20, 28-32		12
2	Plasma myoinositol in diabetics including patients with renal allografts. <i>Acta Diabetologica Latina</i> , 1978 , 15, 95-101		0
1	Development of diabetic vascular lesions in normal kidneys transplanted into patients with diabetes mellitus. <i>New England Journal of Medicine</i> , 1976 , 295, 916-20	59.2	166