

# Erik Galvo Paranhos Da Silva

## List of Publications by Year in Descending Order

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

52  
papers

3,332  
citations

19  
h-index

57  
g-index

58  
ext. papers

3,793  
ext. citations

4.5  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
52	Natural deep eutectic solvent-based microwave-assisted extraction in the medicinal herb sample preparation and elemental determination by ICP OES. <i>Journal of Food Composition and Analysis</i> , <b>2022</b> , 109, 104510	4.1	1
51	Chemical characterization of the soils from black pepper ( <i>Piper nigrum</i> L.) cultivation using principal component analysis (PCA) and Kohonen self-organizing map (KSOM). <i>Journal of Soils and Sediments</i> , <b>2021</b> , 21, 3098-3106	3.4	2
50	Artificial neural network hybridized with a genetic algorithm for optimization of lipase production from <i>Penicillium roqueforti</i> ATCC 10110 in solid-state fermentation. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2021</b> , 31, 101885	4.2	16
49	Multivariate optimization of ultrasound-assisted liquid-liquid microextraction based on two solvents for cadmium preconcentration prior to determination by flame atomic absorption spectrometry. <i>Analytical Methods</i> , <b>2021</b> , 13, 267-273	3.2	3
48	Use of hexamethyldisilazane as a silylating agent in microwave-assisted derivatization for determining phenolic compounds in wine by gas chromatography. <i>Microchemical Journal</i> , <b>2021</b> , 161, 105785	4.8	4
47	Self-organizing map applied to the choice of internal standards for the determination of Cd, Pb, Sn, and platinum group elements by inductively coupled plasma mass spectrometry. <i>Talanta</i> , <b>2021</b> , 233, 122534	6.2	0
46	Chemometric tools in the optimization of a microwave-assisted digestion procedure for guarana-based drink samples and data analysis from elemental, caffeine, and epicatechin contents. <i>Food Chemistry</i> , <b>2021</b> , 365, 130468	8.5	0
45	Application of Mixture Design and Kohonen Neural Network for Determination of Macro- and Microelement in Mullet ( <i>Mugil cephalus</i> ) by MIP OES. <i>Food Analytical Methods</i> , <b>2021</b> , 14, 1239-1249	3.4	0
44	Artificial neural network employment for element determination in <i>Mugil cephalus</i> by ICP OES in Pontal Bay, Brazil. <i>Analytical Methods</i> , <b>2020</b> , 12, 3713-3721	3.2	1
43	Chemometric Tools Applied to Evaluation of Fruit Bioactive Compounds Extraction. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 1176-1189	3.4	1
42	Quality pattern evaluation of frozen soursop pulps: an assessment based on chemical composition and chemometric analysis. <i>Food Science and Technology</i> , <b>2020</b> , 40, 508-516	2	1
41	Enhanced extraction of arsenic and cadmium from environmental samples using a natural deep eutectic solvent and determination by inductively coupled plasma mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2020</b> , 1-12	1.8	4
40	Simplex-Centroid Design and Artificial Neural Network-Genetic Algorithm for the Optimization of Exoglucanase Production by <i>Penicillium Roqueforti</i> ATCC 10110 Through Solid-State Fermentation Using a Blend of Agroindustrial Wastes. <i>Bioenergy Research</i> , <b>2020</b> , 13, 1130-1143	3.1	11
39	Development of Method Based on Dispersive Liquid-Liquid Microextraction Air-Assisted for Multi-Element Determination of Cadmium and Manganese in Sugarcane Spirit (Brazilian cachaça) by FAAS. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 222-229	3.4	8
38	Multivariate optimization of an ultrasound-assisted extraction procedure for the determination of Cu, Fe, Mn, and Zn in plant samples by flame atomic absorption spectrometry. <i>Analytical Methods</i> , <b>2020</b> , 12, 2509-2516	3.2	11
37	Evaluation of metal content in tea samples commercialized in sachets using multivariate data analysis techniques. <i>Microchemical Journal</i> , <b>2019</b> , 151, 104248	4.8	2
36	Evaluation of macro and micronutrient elements content from soft drinks using principal component analysis and Kohonen self-organizing maps. <i>Food Chemistry</i> , <b>2019</b> , 273, 9-14	8.5	18

35	COCOA SHELL FOR THE PRODUCTION OF ENDOGLUCANASE BY <i>Penicillium roqueforti</i> ATCC 10110 IN SOLID STATE FERMENTATION AND BIOCHEMICAL PROPERTIES. <i>Revista Mexicana De Ingeniera Quimica</i> , <b>2019</b> , 18, 777-787	1.8	14
34	Evaluation of adsorption processes of metal ions in multi-element aqueous systems by lignocellulosic adsorbents applying different isotherms: A critical review. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 404-420	14.7	75
33	Screening of <i>Mangifera indica</i> L. functional content using PCA and neural networks (ANN). <i>Food Chemistry</i> , <b>2019</b> , 273, 115-123	8.5	30
32	Development of procedure for sample preparation of cashew nuts using mixture design and evaluation of nutrient profiles by Kohonen neural network. <i>Food Chemistry</i> , <b>2019</b> , 273, 136-143	8.5	14
31	Multivariate optimization techniques in analytical chemistry - an overview. <i>Microchemical Journal</i> , <b>2018</b> , 140, 176-182	4.8	58
30	Evaluation of minerals, toxic elements and bioactive compounds in rose petals ( <i>Rosa</i> spp.) using chemometric tools and artificial neural networks. <i>Microchemical Journal</i> , <b>2018</b> , 138, 98-108	4.8	14
29	Peach-palm ( <i>Bactris gasipaes</i> Kunth.) waste as substrate for xylanase production by <i>Trichoderma stromaticum</i> AM7. <i>Chemical Engineering Communications</i> , <b>2018</b> , 205, 975-985	2.2	9
28	Screening of <i>Passiflora</i> L. mineral content using principal component analysis and Kohonen self-organizing maps. <i>Food Chemistry</i> , <b>2017</b> , 233, 507-513	8.5	15
27	Determination and Evaluation of Metallothionein and Metals in <i>Mugil cephalus</i> (Mullet) from Pontal Bay, Brazil. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2017</b> , 98, 84-90	2.7	9
26	Multivariate optimization of simple procedure for determination of Fe and Mg in cassava starch employing slurry sampling and FAAS. <i>Food Chemistry</i> , <b>2017</b> , 227, 41-47	8.5	19
25	Analytical Strategies for Determination and Environmental Impact Assessment of Inorganic Antimony Species in Natural Waters Using Hydride Generation Atomic Fluorescence Spectrometry (HG AFS). <i>Journal of the Brazilian Chemical Society</i> , <b>2017</b> ,	1.5	3
24	Comparison between the univariate and multivariate analysis on the partial characterization of the endoglucanase produced in the solid state fermentation by <i>Aspergillus oryzae</i> ATCC 10124. <i>Preparative Biochemistry and Biotechnology</i> , <b>2017</b> , 47, 977-985	2.4	9
23	Thermoresistant xylanases from <i>Trichoderma stromaticum</i> : Application in bread making and manufacturing xylo-oligosaccharides. <i>Food Chemistry</i> , <b>2017</b> , 221, 1499-1506	8.5	30
22	Biodegradable thermoplastic starch of peach palm ( <i>Bactris gasipaes</i> kunth) fruit: Production and characterisation. <i>International Journal of Food Properties</i> , <b>2017</b> , 20, S2429-S2440	3	12
21	Multivariate Optimization of Method of Slurry Sampling for Determination of Iron and Zinc in Starch Samples by Flame Atomic Absorption Spectrometry. <i>Food Analytical Methods</i> , <b>2016</b> , 9, 1719-1725 <sup>3,4</sup>	3.4	17
20	A review of multivariate designs applied to the optimization of methods based on inductively coupled plasma optical emission spectrometry (ICP OES). <i>Microchemical Journal</i> , <b>2016</b> , 128, 331-346	4.8	60
19	Analytical strategies of sample preparation for the determination of mercury in food matrices [A review]. <i>Microchemical Journal</i> , <b>2015</b> , 121, 227-236	4.8	63
18	Slurry Sampling and HG AFS for the Determination of Total Arsenic in Rice Samples. <i>Food Analytical Methods</i> , <b>2013</b> , 6, 1128-1132	3.4	18

17	Determination of the mineral composition of Brazilian rice and evaluation using chemometric techniques. <i>Analytical Methods</i> , <b>2013</b> , 5, 998-1003	3.2	11
16	Selenite biotransformation during brewing. Evaluation by HPLC-ICP-MS. <i>Talanta</i> , <b>2012</b> , 88, 272-6	6.2	25
15	Determination and evaluation of the mineral composition of Obi (Cola acuminata). <i>Biological Trace Element Research</i> , <b>2011</b> , 143, 478-88	4.5	1
14	Biosorption of Pb(II) and Cd(II) ions by Agave sisalana (sisal fiber). <i>Microchemical Journal</i> , <b>2011</b> , 97, 269-273	4.3	56
13	Slurry Sampling: An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. <i>Applied Spectroscopy Reviews</i> , <b>2010</b> , 45, 44-62	4.5	82
12	Use of slurry sampling for the direct determination of zinc in yogurt by high resolution-continuum source flame atomic absorption spectrometry. <i>Talanta</i> , <b>2010</b> , 81, 1357-9	6.2	23
11	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. <i>Microchemical Journal</i> , <b>2009</b> , 92, 58-67	4.8	189
10	Evaluation and Application of the Internal Standard Technique for the Direct Determination of Copper in Fruit Juices Employing Fast Sequential Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , <b>2008</b> , 41, 1571-1578	2.2	11
9	Fast method for the determination of copper, manganese and iron in seafood samples. <i>Journal of Food Composition and Analysis</i> , <b>2008</b> , 21, 259-263	4.1	33
8	Application of Multivariate Techniques in Optimization of Spectroanalytical Methods. <i>Applied Spectroscopy Reviews</i> , <b>2007</b> , 42, 475-491	4.5	72
7	Statistical designs and response surface techniques for the optimization of chromatographic systems. <i>Journal of Chromatography A</i> , <b>2007</b> , 1158, 2-14	4.5	439
6	Box-Behnken design: an alternative for the optimization of analytical methods. <i>Analytica Chimica Acta</i> , <b>2007</b> , 597, 179-86	6.6	1678
5	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 145, 358-67	12.8	91
4	Determination of manganese and zinc in powdered chocolate samples by slurry sampling using sequential multi-element flame atomic absorption spectrometry. <i>Microchemical Journal</i> , <b>2006</b> , 82, 159-162	4.8	24
3	Determination of copper in powdered chocolate samples by slurry-sampling flame atomic-absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 1099-102	4.4	39
2	Artificial Intelligence as a Combinatorial Optimization Strategy for Cellulase Production by <i>Trichoderma stromaticum</i> AM7 Using Peach-Palm Waste Under Solid-State Fermentation. <i>Bioenergy Research</i> , <b>2011</b> , 4, 103-110	3.1	3
1	A New Method for Determination of Mg, Ca, Zn, and Na in Cocoa Butter by FAAS Employing Extraction Induced by Emulsion Breaking and Multivariate Optimization. <i>Food Analytical Methods</i> , <b>2011</b> , 4, 103-110	3.4	2