

Osmar Damian Prestes

List of Publications by Year in descending order

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93
papers

2,549
citations

186265
28
h-index

223800
46
g-index

95
all docs

95
docs citations

95
times ranked

2651
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a fast multiresidue method for the determination of pesticides in dry samples (wheat) Tj ETQq1 1 0,784314 191	8,2	191
2	Simultaneous determination of pesticides, biopesticides and mycotoxins in organic products applying a quick, easy, cheap, effective, rugged and safe extraction procedure and ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 1477-1485.	3.7	148
3	QuEChERS: um método moderno de preparo de amostra para determinação multirresíduo de pesticidas em alimentos por todos cromatográficos acoplados à espectrometria de massas. <i>Química Nova</i> , 2009, 32, 1620-1634.	0.3	139
4	Method validation for the analysis of 169 pesticides in soya grain, without clean up, by liquid chromatography-tandem mass spectrometry using positive and negative electrospray ionization. <i>Journal of Chromatography A</i> , 2007, 1142, 123-136.	3.7	131
5	Optimization of a QuEChERS based method by means of central composite design for pesticide multiresidue determination in orange juice by UHPLC-MS/MS. <i>Food Chemistry</i> , 2016, 196, 25-33.	8.2	130
6	Method validation and comparison of acetonitrile and acetone extraction for the analysis of 169 pesticides in soya grain by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 4539-4552.	3.7	99
7	Single and binary adsorption of sulfonamide antibiotics onto iron-modified clay: linear and nonlinear isotherms, kinetics, thermodynamics, and mechanistic studies. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	95
8	Evaluation of alternative sorbents for dispersive solid-phase extraction cleanup in the QuEChERS method for the determination of pesticide residues in rice by liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 1945-1954.	2.5	88
9	Determination of pesticides in coconut (Cocos nucifera Linn.) water and pulp using modified QuEChERS and LC-MS/MS. <i>Food Chemistry</i> , 2016, 213, 616-624.	8.2	80
10	Indiscriminate use of glyphosate impregnates river epilithic biofilms in southern Brazil. <i>Science of the Total Environment</i> , 2019, 651, 1377-1387.	8.0	71
11	Modern agriculture transfers many pesticides to watercourses: a case study of a representative rural catchment of southern Brazil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10581-10598.	5.3	65
12	Simultaneous Determination of Multiclass Pesticides and Antibiotics in Honey Samples Based on Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 1638-1653.	2.6	57
13	An effective method for pesticide residues determination in tobacco by GC-MS/MS and UHPLC-MS/MS employing acetonitrile extraction with low-temperature precipitation and d-SPE clean-up. <i>Talanta</i> , 2016, 161, 40-47.	5.5	52
14	Ecological risk of pesticide contamination in a Brazilian river located near a rural area: A study of biomarkers using zebrafish embryos. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110071.	6.0	49
15	A simple and efficient method for imidazolinone herbicides determination in soil by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1412, 82-89.	3.7	44
16	Optimization by Central Composite Design of a Modified QuEChERS Method for Extraction of Pesticide Multiresidue in Sweet Pepper and Analysis by Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2015, 8, 728-739.	2.6	44
17	Occurrence and fate of pharmaceuticals in effluent and sludge from a wastewater treatment plant in Brazil. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2292-2303.	2.2	41
18	Development and validation of a method for the analysis of pyrethroid residues in fish using GC-MS. <i>Food Chemistry</i> , 2019, 297, 124944.	8.2	40

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19	Simultaneous determination of the quaternary ammonium pesticides paraquat, diquat, chlormequat, and mepiquat in barley and wheat using a modified quick polar pesticides method, diluted standard addition calibration and hydrophilic interaction liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1592, 101-111.	3.7	37
20	Evaluation of an alternative fluorinated sorbent for dispersive solid-phase extraction clean-up of the quick, easy, cheap, effective, rugged, and safe method for pesticide residues analysis. <i>Journal of Chromatography A</i> , 2017, 1514, 36-43.	3.7	36
21	QuEChERS: possibilidades e tendências no preparo de amostra para determinação multirresíduo de pesticidas em alimentos. <i>Scientia Chromatographica</i> , 2011, 3, 51-64.	0.2	36
22	Principais técnicas de preparo de amostra para a determinação de resíduos de agrotóxicos em água por cromatografia líquida com detecção por arranjo de diodos e por espectrometria de massas. <i>Química Nova</i> , 2011, 34, 1604-1617.	0.3	35
23	Multiresidue determination of pesticides in drinking water by gas chromatography-mass spectrometry after solid-phase extraction. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 918-925.	0.6	34
24	Simultaneous LC-MS/MS Determination of Imidazolinone Herbicides Together with Other Multiclass Pesticide Residues in Soil. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1441-1449.	1.1	32
25	Evaluation of the rotating disk sorptive extraction technique with polymeric sorbent for multiresidue determination of pesticides in water by ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1516, 54-63.	3.7	32
26	Protective effect of quercetin against oxidative stress induced by oxytetracycline in muscle of silver catfish. <i>Aquaculture</i> , 2018, 484, 120-125.	3.5	31
27	Optimization of sample preparation by central composite design for multi-class determination of veterinary drugs in bovine muscle, kidney and liver by ultra-high-performance liquid chromatographic-tandem mass spectrometry. <i>Food Chemistry</i> , 2018, 246, 404-413.	8.2	30
28	Determination of pesticide residues and related compounds in water and industrial effluent by solid-phase extraction and gas chromatography coupled to triple quadrupole mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7697-7709.	3.7	28
29	Multiresidue determination of pesticides in crop plants by the quick, easy, cheap, effective, rugged, and safe method and ultra-high-performance liquid chromatography tandem mass spectrometry using a calibration based on a single level standard addition in the sample. <i>Journal of Chromatography A</i> , 2017, 1526, 119-127.	3.7	28
30	Comparison of several extraction procedures for the determination of biopesticides in soil samples by ultrahigh pressure LC-MS/MS. <i>Journal of Separation Science</i> , 2012, 35, 861-868.	2.5	23
31	Dilution standard addition calibration: A practical calibration strategy for multiresidue organic compounds determination. <i>Journal of Chromatography A</i> , 2016, 1460, 84-91.	3.7	23
32	Determination of Pesticide Residues in Soy-Based Beverages Using a QuEChERS Method (with Clean-Up) Tj ETQq0 0 0 rgBT /Overlock 10 Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 369-378.	2.6	23
33	Determination of Pesticide Residues in Golden Berry (<i>Physalis peruviana</i> L.) by Modified QuEChERS Method and Ultra-High Performance Liquid Chromatography-Tandem Quadrupole Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 320-329.	2.6	23
34	Mobilization and transport of pesticides with runoff and suspended sediment during flooding events in an agricultural catchment of Southern Brazil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39370-39386.	5.3	23
35	Organophosphate pesticide trichlorfon induced neurotoxic effects in freshwater silver catfish <i>Rhamdia quelen</i> via disruption of blood-brain barrier: Implications on oxidative status, cell viability and brain neurotransmitters. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 218, 8-13.	2.6	21
36	Disturbance of energetic homeostasis and oxidative damage provoked by trichlorfon as relevant toxicological mechanisms using silver catfish as experimental model. <i>Chemico-Biological Interactions</i> , 2019, 299, 94-100.	4.0	21

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37	Ecological impacts of pesticides on <i>Astyanax jacuhiensis</i> (Characiformes: Characidae) from the Uruguay river, Brazil. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111314.	6.0	21
38	Biochemical and Behavioral Responses in Zebrafish Exposed to Imidacloprid Oxidative Damage and Antioxidant Responses. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 255-264.	4.1	21
39	Extração em Fase Sólida Dispersiva na determinação de resíduos e contaminantes em alimentos. <i>Scientia Chromatographica</i> , 2012, 4, 227-240.	0.2	21
40	Optimization and validation of a multiresidue method for pesticide determination in maize using gas chromatography coupled to tandem mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 359-365.	2.7	20
41	A multiclass method for the determination of pharmaceuticals in drinking water by solid phase extraction and ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2019, 11, 2333-2340.	2.7	19
42	Assessment of River Water Quality in an Agricultural Region of Brazil Using Biomarkers in a Native Neotropical Fish, <i>Astyanax</i> spp. (Characidae). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 575-581.	2.7	18
43	Development of a Multiresidue Method for Pesticide Analysis in Drinking Water by Solid Phase Extraction and Determination by Gas and Liquid Chromatography with Triple Quadrupole Tandem Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	17
44	Determination of organochlorine pesticides (OCPs) in breast milk from Rio Grande do Sul, Brazil, using a modified QuEChERS method and gas chromatography-negative chemical ionisation-mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 1005-1016.	3.3	17
45	Balls-in-tube matrix solid phase dispersion (BiT-MSPD): An innovative and simplified technique for multiresidue determination of pesticides in fruit samples. <i>Journal of Chromatography A</i> , 2020, 1612, 460640.	3.7	17
46	Miniaturized QuEChERS method for determination of 97 pesticide residues in wine by ultra-high performance liquid chromatography coupled with tandem mass spectrometry. <i>Analytical Methods</i> , 2020, 12, 2682-2692.	2.7	17
47	A comparison of adsorption equilibrium, kinetics and thermodynamics of aqueous phase clomazone between faujasite X and a natural zeolite from Kenya. <i>South African Journal of Chemistry</i> , 2015, 68, 245-252.	0.6	17
48	Determination of pesticide residues in coconut tree trunks by modified QuEChERS method and ultra-high-performance liquid chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 4237-4245.	2.7	16
49	Multiclass Method for the Determination of Pesticide Residues in Oat Using Modified QuEChERS with Alternative Sorbent and Liquid Chromatography with Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2019, 12, 2835-2844.	2.6	16
50	Determination of pesticides and related compounds in water by dispersive liquid-liquid microextraction and gas chromatography-triple quadrupole mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 5020.	2.7	15
51	Behavioral impairment and neurotoxic responses of silver catfish <i>Rhamdia quelen</i> exposed to organophosphate pesticide trichlorfon: Protective effects of diet containing rutin. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 239, 108871.	2.6	15
52	Building Block Lactic Acid from Rice Husks and Agave Bagasse. <i>Waste and Biomass Valorization</i> , 2016, 7, 1495-1507.	3.4	14
53	Comprehensive Method Validation for the Determination of 170 Pesticide Residues in Pear Employing Modified QuEChERS Without Clean-Up and Ultra-High Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2018, 11, 556-577.	2.6	13
54	Modified QuEChERS Method for Multiresidue Determination of Pesticides in Pecan Nuts by Liquid Chromatography Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2020, 13, 793-801.	2.6	13

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55	Preserved riparian forest protects endangered forest-specialists amphibian species against the genotoxic impact of sunlight and agrochemicals. <i>Biological Conservation</i> , 2020, 249, 108746.	4.1	12
56	Potential environmental toxicity of sewage effluent with pharmaceuticals. <i>Ecotoxicology</i> , 2020, 29, 1315-1326.	2.4	12
57	A Simple and Fast Method for the Determination of 20 Veterinary Drug Residues in Bovine Kidney and Liver by Ultra-High-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 854-864.	2.6	10
58	Determination of Six Synthetic Dyes in Sports Drinks by Dispersive Solid-Phase Extraction and HPLC-UV-Vis. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	10
59	Fungicide and insecticide residues in rice grains. <i>Acta Scientiarum - Agronomy</i> , 2017, 39, 9.	0.6	10
60	Design of experiments and method development. , 2020, , 589-608.		10
61	Bar adsorptive microextraction (BAÎ¼E) with a polymeric sorbent for the determination of emerging contaminants in water samples by ultra-high performance liquid chromatography with tandem mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 697-705.	2.7	9
62	Seasonal factors driving biochemical biomarkers in two fish species from a subtropical reservoir in southern Brazil: An integrated approach. <i>Environmental Pollution</i> , 2020, 266, 115168.	7.5	9
63	Dilution of QuEChERS Extracts Without Cleanup Improves Results in the UHPLC-MS/MS Multiresidue Analysis of Pesticides in Tomato. <i>Food Analytical Methods</i> , 2021, 14, 1511-1523.	2.6	9
64	Protective effects of diet containing rutin against trichlorfon-induced muscle bioenergetics disruption and impairment on fatty acid profile of silver catfish <i>Rhamdia quelen</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111127.	6.0	8
65	Organic and conventional agriculture: Conventional rice farming causes biochemical changes in <i>Astyanax lacustris</i> . <i>Science of the Total Environment</i> , 2020, 744, 140820.	8.0	8
66	O estado da arte na determinaÃ§Ã£o de resÃduos de medicamentos veterinÃrios em alimentos de origem animal empregando tÃcnicas cromatogrÃficas acopladas Å espectrometria de massas. <i>Quimica Nova</i> , 2013, 36, 697-710.	0.3	8
67	A new gas chromatography/mass spectrometry (GC-MS) method for the multiresidue analysis of pesticides in bread. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1065-1070.	0.6	7
68	Use of Factorial Design in the Development of Multiresidue Method for Determination of Pesticide Residues in Wheat by Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 2541-2551.	2.6	7
69	The impact of postnatal leuprolide acetate treatment on reproductive characteristics in a rodent model of polycystic ovary syndrome. <i>Molecular and Cellular Endocrinology</i> , 2017, 442, 125-133.	3.2	6
70	Quality of Meliponinae honey: Pesticides residues, pollen identity, and microbiological profiles. <i>Environmental Quality Management</i> , 2018, 27, 39-45.	1.9	6
71	Removal of High Concentrations of Veterinary Antibiotics Through Co-composting of Swine Waste. <i>Waste and Biomass Valorization</i> , 2021, 12, 407-416.	3.4	6
72	Environmentally relevant pesticides induce biochemical changes in Nile tilapia (<i>Oreochromis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	2.4	6

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73	RICE SEED TREATMENT AND RECOATING WITH POLYMERS: PHYSIOLOGICAL QUALITY AND RETENTION OF CHEMICAL PRODUCTS. <i>Revista Caatinga</i> , 2017, 30, 920-927.	0.7	5
74	Water quality variables and emerging environmental contaminant in water for human consumption in Rio Grande do Sul, Brazil. <i>Environmental Challenges</i> , 2021, 5, 100266.	4.2	5
75	Development of a Fast Method for the Determination of the Insecticide Fipronil and its Metabolites in Environmental Waters by SPE and GC-ECD. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	4
76	Pesticide Multiresidue Determination in Rice Paddy Water by Gas Chromatography Coupled with Triple Quadrupole Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 987-994.	1.5	4
77	Vibrational extraction QuEChERS for analysis of antiparasitic agents in fish by liquid chromatography coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6913-6929.	3.7	4
78	Compostagem de efluente suÃno no tratamento de resÃduos de fÃ¡rmacos veterinÃ¡rios. <i>Semina:Ciencias Agrarias</i> , 2019, 40, 2813.	0.3	4
79	Polymer coating in soybean seed treatment and their relation to leaching of chemicals. <i>Revista Ambiente & Ãgua</i> , 2020, 15, 1.	0.3	4
80	Desenvolvimento e validaÃ§Ã£o de um mÃ©todo analÃtico para a determinaÃ§Ã£o de histamina em vinhos utilizando cromatografia lÃquida de alta eficiÃncia com detecÃ£o por fluorescÃncia. <i>Quimica Nova</i> , 2007, 30, 18-21.	0.3	3
81	Evaluation of QuEChERS Sample Preparation and Gas Chromatography Coupled to Mass Spectrometry for the Determination of Pesticide Residues in Grapes. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	3
82	Advanced Sample Preparation Techniques for Pesticide Residues Determination by HRMS Analysis. , 2017, , 131-164.		3
83	Evaluation of QuEChERS Sample Preparation for Determination of Avermectins Residues in Ovine Muscle by HPLC-FD and UHPLC-MS/MS. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2
84	Effective methods for the determination of triphenyltin residues in surface water and soil samples by high-performance liquid chromatography with tandem mass spectrometry. <i>Analytical Methods</i> , 2020, 12, 2323-2330.	2.7	2
85	Multiresidue Determination of Fungicides in Wine by Solvent Demulsification-Dispersive Liquid-Liquid Microextraction and Ultra-High Performance Liquid Chromatographyâ€Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 0, , 1.	2.6	2
86	Fast Sample Preparation Method Using Ultra-High Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry for Natamycin Determination in Wine Samples. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	1
87	Experimental reproduction of congenital anomalies in the progeny of cows fed apple pomace during pregnancy. <i>Pesquisa Veterinaria Brasileira</i> , 2019, 39, 371-375.	0.5	1
88	Efeito do processamento industrial e domÃ©stico de alimentos nos nÃveis de resÃduos de agrotÃxicos. <i>VigilÃncia SanitÃria Em Debate: Sociedade, CiÃncia & Tecnologia</i> , 2014, 2, .	0.1	1
89	Residual effects and foliar persistence of pesticides used in irrigated rice on the parasitoid <i>Telenomus podisi</i> (Hymenoptera: Platygasteridae). <i>Journal of Pest Science</i> , 0, , 1.	3.7	0
90	Aumento da resposta analÃtica por meio da otimizaÃ§Ã£o do sistema de injeÃ£o sem divisÃ£o de fluxo em cromatografia gasosa empregando a lei dos gases ideais. <i>Quimica Nova</i> , 2011, 34, 414-418.	0.3	0

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91	DETERMINATION OF PESTICIDE RESIDUES IN BOVINE MILK USING A MODIFIED QuEChERS METHOD AND GC-MS/MS. <i>Quimica Nova</i> , 2014, , .	0.3	0
92	Determination of Avermectins Residues in Soybean, Bean, and Maize Using a QuEChERS-Based Method and Ultra-High-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Separations</i> , 2021, 8, 214.	2.4	0
93	Critical Evaluation of Analytical Methods for the Determination of Anthropogenic Organic Contaminants in Edible Oils: An Overview of the Last Five Years.. <i>Critical Reviews in Analytical Chemistry</i> , 2022, , 1-15.	3.5	0