Renato Zanella

List of Publications by Citations

178 papers	3,287 citations	30 h-index	45 g-index
200 ext. papers	3,874 ext. citations	3.4 avg, IF	5.35 L-index

#	Paper	IF	Citations
178	Development of a fast multiresidue method for the determination of pesticides in dry samples (wheat grains, flour and bran) using QuEChERS based method and GC–MS. *Food Chemistry*, **2011**, 125, 1436-1442	8.5	130
177	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. *Journal of Chromatography A*, **2007**, 1142, 123-36	4.5	118
176	QuEChERS: um método moderno de preparo de amostra para determinação multirresíduo de pesticidas em alimentos por métodos cromatográficos acoplados à espectrometria de massas. *Quimica Nova*, **2009**, 32, 1620-1634	1.6	113
175	Optimization of a QuEChERS based method by means of central composite design for pesticide multiresidue determination in orange juice by UHPLC-MS/MS. *Food Chemistry*, **2016**, 196, 25-33	8.5	99
174	Effect of clomazone herbicide on biochemical and histological aspects of silver catfish (Rhamdia quelen) and recovery pattern. *Chemosphere*, **2007**, 67, 2305-11	8.4	84
173	Bioaccumulation and oxidative stress caused by pesticides in Cyprinus carpio reared in a rice-fish system. *Science of the Total Environment*, **2018**, 626, 737-743	10.2	81
172	Evaluation of alternative sorbents for dispersive solid-phase extraction clean-up in the QuEChERS method for the determination of pesticide residues in rice by liquid chromatography with tandem mass spectrometry. *Journal of Separation Science*, **2016**, 39, 1945-54	3.4	66
171	The 2,4-D herbicide effects on acetylcholinesterase activity and metabolic parameters of piava freshwater fish (Leporinus obtusidens). *Ecotoxicology and Environmental Safety*, **2008**, 69, 416-20	7	66
170	Evaluation of the QuEChERS method for the extraction of pharmaceuticals and personal care products from drinking-water treatment sludge with determination by UPLC-ESI-MS/MS. *Chemosphere*, **2014**, 107, 74-82	8.4	63
169	Effects of the commercial formulation containing fipronil on the non-target organism Cyprinus carpio: implications for rice-fish cultivation. *Ecotoxicology and Environmental Safety*, **2012**, 77, 45-51	7	59
168	Determination of pesticides in coconut (Cocos nucifera Linn.) water and pulp using modified QuEChERS and LC-MS/MS. *Food Chemistry*, **2016**, 213, 616-624	8.5	51
167	Toxicological responses of Cyprinus carpio after exposure to a commercial herbicide containing imazethapyr and imazapic. *Ecotoxicology and Environmental Safety*, **2011**, 74, 328-35	7	48
166	Simultaneous Determination of Multiclass Pesticides and Antibiotics in Honey Samples Based on Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry. *Food Analytical Methods*, **2016**, 9, 1638-1653	3.4	46
165	Development of a multiresidue method for the determination of endocrine disrupters in fish fillet using gas chromatography-triple quadrupole tandem mass spectrometry. *Talanta*, **2013**, 116, 827-34	6.2	44
164	Monitoring of the herbicide clomazone in environmental water samples by solid-phase extraction and high-performance liquid chromatography with ultraviolet detection. *Chromatographia*, **2002**, 55, 573-577	2.1	44
163	Development and validation of a high-performance liquid chromatographic procedure for the determination of herbicide residues in surface and agriculture waters. *Journal of Separation Science* , **2003**, 26, 935-938	3.4	44
162	Single and binary adsorption of sulfonamide antibiotics onto iron-modified clay: linear and nonlinear isotherms, kinetics, thermodynamics, and mechanistic studies. *Applied Water Science*, **2018**, 8, 1	5	44

161	Rice herbicide monitoring in two Brazilian rivers during the rice growing season. *Scientia Agricola*, **2007**, 64, 131-137	2.5	41
160	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 Chromatographyâ€“tandem Mass Spectrometry. *Food Analytical Methods*, **2015**, 8, 728-739	3.4	38
159	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. *Talanta*, **2016**, 161, 40-47	6.2	38
158	Poluição das águas por herbicidas utilizados no cultivo do arroz irrigado na região central do estado do Rio Grande do Sul, Brasil: predição teórica e monitoramento. *Quimica Nova*, **2005**, 28, 605-609	1.6	36
157	Commercial formulation containing quinclorac and metsulfuron-methyl herbicides inhibit acetylcholinesterase and induce biochemical alterations in tissues of Leporinus obtusidens. *Ecotoxicology and Environmental Safety*, **2011**, 74, 336-41	7	35
156	Monitoramento de agrotóxicos em águas superficiais de regiões orizícolas no sul do Brasil. *Ciencia Rural*, **2009**, 39, 2383-2389	1.3	35
155	Investigation of the occurrence of pesticide residues in rural wells and surface water following application to tobacco. *Quimica Nova*, **2007**, 30, 1872-1876	1.6	35
154	Contaminação de águas superficiais por agrotóxicos em função do uso do solo numa microbacia hidrográfica de Agudo, RS. *Revista Brasileira De Engenharia Agricola E Ambiental*, **2006**, 10, 881-887	0.9	35
153	A simple and efficient method for imidazolinone herbicides determination in soil by ultra-high performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2015**, 1412, 82-9	4.5	34
152	Oxidative stress biomarkers in Cyprinus carpio exposed to commercial herbicide bispyribac-sodium. *Journal of Applied Toxicology*, **2010**, 30, 590-5	4.1	33
151	Monitoramento de agrotóxicos em dois mananciais hídricos no sul do Brasil. *Revista Brasileira De Engenharia Agricola E Ambiental*, **2008**, 12, 632-637	0.9	32
150	Resíduos de agrotóxicos na água de rios da Depressão Central do Estado do Rio Grande do Sul, Brasil. *Ciencia Rural*, **2010**, 40, 1053-1059	1.3	31
149	Indiscriminate use of glyphosate impregnates river epilithic biofilms in southern Brazil. *Science of the Total Environment*, **2019**, 651, 1377-1387	10.2	31
148	"Modern agriculture" transfers many pesticides to watercourses: a case study of a representative rural catchment of southern Brazil. *Environmental Science and Pollution Research*, **2020**, 27, 10581-10598	5.1	28
147	Tissue biochemical alterations of Cyprinus carpio exposed to commercial herbicide containing clomazone under rice-field conditions. *Archives of Environmental Contamination and Toxicology*, **2012**, 62, 97-106	3.2	28
146	Multiresidue determination of pesticides in drinking water by gas chromatography-mass spectrometry after solid-phase extraction. *Journal of the Brazilian Chemical Society*, **2009**, 20, 918-925	1.5	28
145	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. *Quimica Nova*, **2011**, 34, 1604-1617	1.6	27
144	Effect of diphenyl diselenide diet supplementation on oxidative stress biomarkers in two species of freshwater fish exposed to the insecticide fipronil. *Fish Physiology and Biochemistry*, **2016**, 42, 1357-68	2.7	27

143	Carbofuran promotes biochemical changes in carp exposed to rice field and laboratory conditions. *Ecotoxicology and Environmental Safety*, **2014**, 101, 77-82	7	26
142	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. *Journal of Chromatography A*, **2017**, 1514, 36-43	4.5	26
141	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. *Journal of Chromatography A*, **2017**, 1516, 54-63	4.5	26
140	Oxidative stress and anxiety-like symptoms related to withdrawal of passive cigarette smoke in mice: beneficial effects of pecan nut shells extract, a by-product of the nut industry. *Ecotoxicology and Environmental Safety*, **2011**, 74, 1770-8	7	26
139	Imazethapyr and imazapic runoff under continuous and intermittent irrigation of paddy rice. *Agricultural Water Management*, **2013**, 125, 26-34	5.9	25
138	Minimization of volatile nitrogen oxides interference in the determination of arsenic by hydride generation atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2001**, 56, 1883-1891	3.1	25
137	Development and validation of a method for the analysis of pyrethroid residues in fish using GC-MS. *Food Chemistry*, **2019**, 297, 124944	8.5	24
136	Fish exposed to water contaminated with eprinomectin show inhibition of the activities of AChE and Na/K-ATPase in the brain, and changes in natural behavior. *Chemosphere*, **2019**, 223, 124-130	8.4	24
135	Simultaneous LC–MS/MS Determination of Imidazolinone Herbicides Together with Other Multiclass Pesticide Residues in Soil. *Clean - Soil, Air, Water*, **2014**, 42, 1441-1449	1.6	24
134	The effects of diphenyl diselenide on oxidative stress biomarkers in Cyprinus carpio exposed to herbicide quinclorac (Facet). *Ecotoxicology and Environmental Safety*, **2012**, 81, 91-7	7	24
133	Risk assessment of surface water contamination by herbicide residues: monitoring of propanil degradation in irrigated rice field waters using HPLC-UV and confirmation by GC-MS. *Journal of the Brazilian Chemical Society*, **2007**, 18, 585-589	1.5	24
132	Determination of antimony(III) and total antimony by hydride generation atomic absorption spectrometry in samples of injectable drugs used for leishmaniasis treatment. *Journal of Analytical Atomic Spectrometry*, **2002**, 17, 819-823	3.7	24
131	QuEChERS: possibilidades e tendências no preparo de amostra para determinação multirresíduo de pesticidas em alimentos. *Scientia Chromatographica*, **2011**, 3, 51-64	1	24
130	Integrated biomarkers response confirm the antioxidant role of diphenyl diselenide against atrazine. *Ecotoxicology and Environmental Safety*, **2018**, 151, 191-198	7	23
129	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. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 7697-709	4.4	23
128	Spatial and temporal biomarkers responses of Astyanax jacuhiensis (Cope, 1894)(Characiformes: Characidae) from the middle rio Uruguai, Brazil. *Neotropical Ichthyology*, **2015**, 13, 569-578	1.3	23
127	Determination of Flavonoids and Resveratrol in Wine by Turbulent-Flow Chromatography-LC-MS. *Chromatographia*, **2009**, 69, 167-173	2.1	23
126	Acetylcholinesterase enzyme activity in carp brain and muscle after acute exposure to diafuran. *Scientia Agricola*, **2008**, 65, 340-345	2.5	23

125	Ecological risk of pesticide contamination in a Brazilian river located near a rural area: A study of biomarkers using zebrafish embryos. *Ecotoxicology and Environmental Safety*, **2020**, 190, 110071	7	23
124	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. *Food Chemistry*, **2018**, 246, 404-413	8.5	22
123	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. *Journal of Chromatography A*, **2019**, 1592, 101-111	4.5	21
122	Liquid chromatography with high resolution mass spectrometry for identification of organic contaminants in fish fillet: screening and quantification assessment using two scan modes for data acquisition. *Journal of Chromatography A*, **2016**, 1456, 205-16	4.5	20
121	Design of a compressed air modulator to be used in comprehensive multidimensional gas chromatography and its application in the determination of pesticide residues in grapes. *Journal of Chromatography A*, **2009**, 1216, 3305-11	4.5	20
120	Determination of Pesticide Residues in Soy-Based Beverages Using a QuEChERS Method (with Clean-Up Optimized by Central Composite Design) and Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry. *Food Analytical Methods*, **2017**, 10, 369-378	3.4	19
119	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. *Journal of Chromatography A*, **2017**, 1526, 119-127	4.5	19
118	Translocation of chlorantraniliprole and cyantraniliprole applied to corn as seed treatment and foliar spraying to control Spodoptera frugiperda (Lepidoptera: Noctuidae). *PLoS ONE*, **2020**, 15, e0229151	3.7	19
117	Protective effect of quercetin against oxidative stress induced by oxytetracycline in muscle of silver catfish. *Aquaculture*, **2018**, 484, 120-125	4.4	19
116	Dilution standard addition calibration: A practical calibration strategy for multiresidue organic compounds determination. *Journal of Chromatography A*, **2016**, 1460, 84-91	4.5	19
115	Imazethapyr and imazapic, bispyribac-sodium and penoxsulam: zooplankton and dissipation in subtropical rice paddy water. *Science of the Total Environment*, **2015**, 514, 68-76	10.2	19
114	Study of the degradation of the herbicide clomazone in distilled and in irrigated rice field waters using HPLC-DAD and GC-MS. *Journal of the Brazilian Chemical Society*, **2008**, 19, 987-995	1.5	19
113	Extração em Fase Sólida Dispersiva na determinação de resíduos e contaminantes em alimentos. *Scientia Chromatographica*, **2012**, 4, 227-240	1	19
112	Gill bioenergetics dysfunction and oxidative damage induced by thiamethoxam exposure as relevant toxicological mechanisms in freshwater silver catfish Rhamdia quelen. *Science of the Total Environment*, **2018**, 636, 420-426	10.2	18
111	Toxicological responses of Cyprinus carpio exposed to the herbicide penoxsulam in rice field conditions. *Journal of Applied Toxicology*, **2011**, 31, 626-32	4.1	18
110	A gas chromatographic method for the determination of the fungicide chlorothalonil in tomatoes and cucumbers and its application to dissipation studies in experimental greenhouses. *Journal of the Brazilian Chemical Society*, **2008**, 19, 1129-1135	1.5	18
109	Development and validation of a high-performance liquid chromatographic method for the determination of clomazone residues in surface water. *Journal of Chromatography A*, **2000**, 904, 257-62	4.5	18
108	Optimization and validation of a multiresidue method for pesticide determination in maize using gas chromatography coupled to tandem mass spectrometry. *Analytical Methods*, **2015**, 7, 359-365	3.2	17

107	Oxidative stress in carp exposed to quinclorac herbicide under rice field condition. *Ecotoxicology and Environmental Safety*, **2013**, 92, 27-31	7	17
106	Determination of Pesticide Residues in Golden Berry (Physalis peruviana L.) by Modified QuEChERS Method and Ultra-High Performance Liquid Chromatography-Tandem Quadrupole Mass Spectrometry. *Food Analytical Methods*, **2017**, 10, 320-329	3.4	17
105	Repeated malathion exposure induces behavioral impairment and AChE activity inhibition in brains of rat pups. *Ecotoxicology and Environmental Safety*, **2011**, 74, 2310-5	7	17
104	Determination of total arsenic by batch hydride generation atomic absorption spectrometry in injectable drugs containing high levels of Sb(V) as N-methylglucamine antimonate. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2002**, 57, 2095-2102	3.1	17
103	Occurrence and fate of pharmaceuticals in effluent and sludge from a wastewater treatment plant in Brazil. *Environmental Technology (United Kingdom)*, **2021**, 42, 2292-2303	2.6	17
102	Integrated assessment of biomarker response in carp (Cyprinus carpio) and silver catfish (Rhamdia quelen) exposed to clomazone. *Archives of Environmental Contamination and Toxicology*, **2015**, 68, 646-54	3.2	16
101	Imazapyr+imazapic herbicide determines acute toxicity in silver catfish Rhamdia quelen. *Ecotoxicology and Environmental Safety*, **2016**, 128, 91-9	7	16
100	Rapid and accurate simultaneous determination of abamectin and ivermectin in bovine milk by high performance liquid chromatography with fluorescence detection. *Journal of the Brazilian Chemical Society*, **2009**, 20, 1220-1226	1.5	16
99	Disturbance of energetic homeostasis and oxidative damage provoked by trichlorfon as relevant toxicological mechanisms using silver catfish as experimental model. *Chemico-Biological Interactions*, **2019**, 299, 94-100	5	16
98	Comparison of matrix solid-phase dispersion and modified QuEChERS methods for extraction of pesticide residues from onion. *Analytical Methods*, **2012**, 4, 1820	3.2	15
97	Exposure to tebuconazol in rice field and laboratory conditions induces oxidative stress in carp (Cyprinus carpio). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2011**, 153, 128-32	3.2	15
96	Seasonal implications on toxicity biomarkers of Loricariichthys anus (Valenciennes, 1835) from a subtropical reservoir. *Chemosphere*, **2018**, 191, 876-885	8.4	14
95	Persistência dos herbicidas imazethapyr e clomazone em lâmina de água do arroz irrigado. *Planta Daninha*, **2008**, 26, 875-881	0.7	14
94	Multiclass Method for the Determination of Pesticide Residues in Oat Using Modified QuEChERS with Alternative Sorbent and Liquid Chromatography with Tandem Mass Spectrometry. *Food Analytical Methods*, **2019**, 12, 2835-2844	3.4	13
93	A multiclass method for the determination of pharmaceuticals in drinking water by solid phase extraction and ultra-high performance liquid chromatography-tandem mass spectrometry. *Analytical Methods*, **2019**, 11, 2333-2340	3.2	13
92	Determination of pesticides and related compounds in water by dispersive liquidâliquid microextraction and gas chromatography-triple quadrupole mass spectrometry. *Analytical Methods*, **2014**, 6, 5020	3.2	13
91	Residues of Fungicides and Insecticides in Rice Field. *Agronomy Journal*, **2015**, 107, 851-863	2.2	13
90	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. *Analytical Methods*, **2015**, 7, 4237-4245	3.2	12

89	Biodegradation of Herbicide Propanil and Its Subproduct 3,4-Dichloroaniline in Water. *Clean - Soil, Air, Water*, **2012**, 40, 958-964	1.6	12
88	Determination of deltamethrin in cattle dipping baths by high-performance liquid chromatography. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 174-6	5.7	12
87	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. *Journal of the Brazilian Chemical Society*, **2015**,	1.5	11
86	Liquid ChromatographicDiode-Array Detection Multiresidue Determination of Rice Herbicides in Drinking and Paddy-Field Water. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 1190-1195	1.7	11
85	Lixiviação do imazethapyr em solo de várzea sob dois sistemas de manejo. *Ciencia Rural*, **2009**, 39, 1660-1666	1.3	11
84	A comparison of adsorption equilibrium, kinetics and thermodynamics of aqueous phase clomazone between faujasite X and a natural zeolite from Kenya. *South African Journal of Chemistry*, **2015**, 68, 245-252	1.8	11
83	Miniaturized QuEChERS method for determination of 97 pesticide residues in wine by ultra-high performance liquid chromatography coupled with tandem mass spectrometry. *Analytical Methods*, **2020**, 12, 2682-2692	3.2	10
82	Assessment of River Water Quality in an Agricultural Region of Brazil Using Biomarkers in a Native Neotropical Fish, Astyanax spp. (Characidae). *Bulletin of Environmental Contamination and Toxicology*, **2020**, 104, 575-581	2.7	10
81	Presence of Anthropogenic Markers in Water: A Case Study of the Guaporé River Watershed, Brazil. *Clean - Soil, Air, Water*, **2018**, 46, 1700019	1.6	10
80	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. *Food Analytical Methods*, **2018**, 11, 556-577	3.4	10
79	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. *Food Analytical Methods*, **2017**, 10, 854-864	3.4	10
78	Biodegradação dos herbicidas imazetapir e imazapique em solo rizosférico de seis espécies vegetais. *Ciencia Rural*, **2013**, 43, 1790-1796	1.3	10
77	Balls-in-tube matrix solid phase dispersion (BiT-MSPD): An innovative and simplified technique for multiresidue determination of pesticides in fruit samples. *Journal of Chromatography A*, **2020**, 1612, 460640	4.5	10
76	Modified QuEChERS Method for Multiresidue Determination of Pesticides in Pecan Nuts by Liquid Chromatography Tandem Mass Spectrometry. *Food Analytical Methods*, **2020**, 13, 793-801	3.4	10
75	Biochemical Responses in Freshwater Fish Exposed to Insecticide Propoxur. *Bulletin of Environmental Contamination and Toxicology*, **2018**, 100, 524-528	2.7	9
74	Ecological impacts of pesticides on Astyanax jacuhiensis (Characiformes: Characidae) from the Uruguay river, Brazil. *Ecotoxicology and Environmental Safety*, **2020**, 205, 111314	7	9
73	Organophosphate pesticide trichlorfon induced neurotoxic effects in freshwater silver catfish Rhamdia quelen via disruption of blood-brain barrier: Implications on oxidative status, cell viability and brain neurotransmitters. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 218, 8-13	3.2	9
72	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. *International Journal of Environmental Analytical Chemistry*, **2018**, 98, 1005-1016	1.8	9

71	Thiamethoxam induced hepatic energy changes in silver catfish via impairment of the phosphoryl transfer network pathway: Toxicological effects on energetics homeostasis. *Environmental Toxicology and Pharmacology*, **2018**, 60, 1-4	5.8	8
70	Quantitative Multiclass Pesticide Residue Analysis in Apple, Pear, and Grape by Modified QuEChERS and Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. *Journal of AOAC INTERNATIONAL*, **2016**, 99, 1426-1435	1.7	8
69	Purinergic signalling as a potential pathway for trichlorfon induced-inflammation and impairment of the immune response using freshwater silver catfish. *Aquaculture*, **2018**, 497, 91-96	4.4	8
68	Flow Injection Spectrophotometric Determination of Carbofuran in Commercial Pesticides Formulations. *Analytical Letters*, **1999**, 32, 593-600	2.2	8
67	Design of experiments and method development **2020**, 589-608		8
66	Behavioral impairment and neurotoxic responses of silver catfish Rhamdia quelen exposed to organophosphate pesticide trichlorfon: Protective effects of diet containing rutin. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2021**, 239, 108871	3.2	8
65	Purinergic signaling as potential target of thiamethoxam-induced neurotoxicity using silver catfish (Rhamdia quelen) as experimental model. *Molecular and Cellular Biochemistry*, **2018**, 449, 39-45	4.2	7
64	Determination of Six Synthetic Dyes in Sports Drinks by Dispersive Solid-Phase Extraction and HPLC-UV-Vis. *Journal of the Brazilian Chemical Society*, **2017**,	1.5	7
63	Rapid and accurate hplc-dad method for the determination of the herbicide bispyribac-sodium in surface water, and its validation. *Quimica Nova*, **2009**, 32, 1457-1460	1.6	7
62	Development and validation of methodology for the determination of residues of organophosphorus pesticides in tomatoes. *Journal of the Brazilian Chemical Society*, **2004**, 15, 945-950	1.5	7
61	Determination of carbofuran in pesticide formulations by flow injection spectrophotometry. *Pest Management Science*, **2000**, 56, 804-808	4.6	7
60	O estado da arte na determinação de resíduos de medicamentos veterinários em alimentos de origem animal empregando técnicas cromatográficas acopladas à espectrometria de massas. *Quimica Nova*, **2013**, 36, 697-710	1.6	7
59	Dissipation of Clomazone, Imazapyr, and Imazapic Herbicides in Paddy Water under Two Rice Flood Management Regimes. *Weed Technology*, **2017**, 31, 330-340	1.4	6
58	Bar adsorptive microextraction (BAÉ) with a polymeric sorbent for the determination of emerging contaminants in water samples by ultra-high performance liquid chromatography with tandem mass spectrometry. *Analytical Methods*, **2018**, 10, 697-705	3.2	6
57	Fungicide and insecticide residues in rice grains. *Acta Scientiarum - Agronomy*, **2017**, 39, 9	0.6	6
56	High Resolution Gel Permeation Chromatography Followed by GCâECD for the Determination of Pesticide Residues in Soybeans. *Chromatographia*, **2009**, 69, 237-241	2.1	6
55	Persistência na água e influência de herbicidas utilizados na lavoura arrozeira sobre a comunidade zooplanctônica de Cladocera, Copepoda e Rotifera. *Ciencia Rural*, **2008**, 38, 7-13	1.3	6
54	Determinação de resíduos de herbicidas em águas de lavoura de arroz irrigado empregando Extração em Fase Sólida e Cromatografia Líquida de Alta Eficiência com detecção por Arranjo de Diodos. *Scientia Chromatographica*, **2013**, 5, 89-100	1	6

53	Potential environmental toxicity of sewage effluent with pharmaceuticals. *Ecotoxicology*, **2020**, 29, 1315-1326	2.9	6
52	A mixture of pesticides at environmental concentrations induces oxidative stress and cholinergic effects in the neotropical fish Rhamdia quelen. *Ecotoxicology*, **2021**, 30, 164-174	2.9	6
51	The impact of postnatal leuprolide acetate treatment on reproductive characteristics in a rodent model of polycystic ovary syndrome. *Molecular and Cellular Endocrinology*, **2017**, 442, 125-133	4.4	5
50	Richness and density of aquatic benthic macroinvertebrates after exposure to fungicides and insecticides in rice paddy fields. *Anais Da Academia Brasileira De Ciencias*, **2017**, 89, 355-369	1.4	5
49	Use of Factorial Design in the Development of Multiresidue Method for Determination of Pesticide Residues in Wheat by Liquid Chromatography-Tandem Mass Spectrometry. *Food Analytical Methods* , **2016**, 9, 2541-2551	3.4	5
48	Determination of chloride and sulfate in pore solutions of concrete by ion chromatography. *Journal of Separation Science*, **2001**, 24, 230-231	3.4	5
47	FLOW INJECTION SPECTROPHOTOMETRIC DETERMINATION OF PROPOXUR WITH DIAZOTIZED 4-AMINOBENZOIC ACID. *Analytical Letters*, **2002**, 35, 1095-1105	2.2	5
46	Clinicopathological and toxicological aspects of poisoning by the clomazone herbicide in sheep. *Small Ruminant Research*, **2015**, 124, 120-126	1.7	4
45	Phytostimulation of lowland soil contaminated with imidazolinone herbicides. *International Journal of Phytoremediation*, **2020**, 22, 774-780	3.9	4
44	Acute exposure to the biopesticide azadirachtin affects parameters in the gills of common carp (Cyprinus carpio). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2016**, 180, 49-55	3.2	4
43	Transporte de agrotóxicos em lavoura de arroz irrigado sob três manejos de irrigação. *Planta Daninha*, **2012**, 30, 799-808	0.7	4
42	A new gas chromatography/mass spectrometry (GC-MS) method for the multiresidue analysis of pesticides in bread. *Journal of the Brazilian Chemical Society*, **2010**, 21, 1065-1070	1.5	4
41	Influence of pesticides and abiotic conditions on biochemical biomarkers in Aegla aff. longirostri (crustacea, anomura): Implications for conservation. *Ecotoxicology and Environmental Safety*, **2020**, 203, 110982	7	4
40	Prenatal Androgenization of Ewes as a Model of Hirsutism in Polycystic Ovary Syndrome. *Endocrinology*, **2018**, 159, 4056-4064	4.8	4
39	Toxicological response of silver catfish () after acute exposure to a commercial insecticide containing thiamethoxam. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2020**, 55, 749-755	2.2	3
38	Seasonal factors driving biochemical biomarkers in two fish species from a subtropical reservoir in southern Brazil: An integrated approach. *Environmental Pollution*, **2020**, 266, 115168	9.3	3
37	Zooplankton community responses to the mixture of imazethapyr with imazapic and bispyribac-sodium herbicides under rice paddy water conditions. *Ciencia Rural*, **2014**, 44, 1392-1397	1.3	3
36	Development of a Fast Method for the Determination of the Insecticide Fipronil and its Metabolites in Environmental Waters by SPE and GC-ECD. *Journal of the Brazilian Chemical Society*, **2013**,	1.5	3

35	Herbicides Persistence in Rice Paddy Water in Southern Brazil **2011**,		3
34	Desenvolvimento e validação de um método analítico para a determinação de histamina em vinhos utilizando cromatografia líquida de alta eficiência com detecção por fluorescência. *Quimica Nova*, **2007**, 30, 18-21	1.6	3
33	Determination of acrylic acid in air by using diffusion denuder tubes combined with HPLC technique. *Journal of Environmental Monitoring*, **1999**, 1, 441-3		3
32	Protective effects of diet containing rutin against trichlorfon-induced muscle bioenergetics disruption and impairment on fatty acid profile of silver catfish Rhamdia quelen. *Ecotoxicology and Environmental Safety*, **2020**, 205, 111127	7	3
31	Preserved riparian forest protects endangered forest-specialists amphibian species against the genotoxic impact of sunlight and agrochemicals. *Biological Conservation*, **2020**, 249, 108746	6.2	3
30	Mobilization and transport of pesticides with runoff and suspended sediment during flooding events in an agricultural catchment of Southern Brazil. *Environmental Science and Pollution Research*, **2021**, 28, 39370-39386	5.1	3
29	Evaluation of QuEChERS Sample Preparation and Gas Chromatography Coupled to Mass Spectrometry for the Determination of Pesticide Residues in Grapes. *Journal of the Brazilian Chemical Society*, **2016**,	1.5	3
28	Quality of Meliponinae honey: Pesticides residues, pollen identity, and microbiological profiles. *Environmental Quality Management*, **2018**, 27, 39-45	0.8	3
27	Steroidogenic enzymes mRNA expression profile and steroids production in bovine theca cells cultured in vitro and stimulated with angiotensin II. *Ciencia Rural*, **2015**, 45, 704-710	1.3	2
26	Multiresidue Determination of Pesticide Residues in Honey by Modified QuEChERS Method and Gas Chromatography with Electron Capture Detection. *Journal of the Brazilian Chemical Society*, **2014**,	1.5	2
25	Pesticide multiresidue determination in rice paddy water by gas chromatography coupled with triple quadrupole mass spectrometry. *Journal of AOAC INTERNATIONAL*, **2014**, 97, 987-94	1.7	2
24	Determinação de bromato em melhoradores de farinha por cromatografia de troca iônica com detecção espectrofotométrica. *Quimica Nova*, **2005**, 28, 716-718	1.6	2
23	Qualidade de água dos rios Vacacaí e Vacacaí-Mirim no Estado do Rio Grande do Sul, Brasil. *Ciencia Rural*, **2009**, 39, 2050-2056	1.3	2
22	Análise ambiental macroscópica e a qualidade da água de nascentes na bacia do Rio São Domingos/SC, Brasil. *Revista Ibero-americana De Ciências Ambientais*, **2020**, 11, 165-176	1.8	2
21	Biochemical and Behavioral Responses in Zebrafish Exposed to Imidacloprid Oxidative Damage and Antioxidant Responses. *Archives of Environmental Contamination and Toxicology*, **2021**, 81, 255-264	3.2	2
20	Removal of High Concentrations of Veterinary Antibiotics Through Co-composting of Swine Waste. *Waste and Biomass Valorization*, **2021**, 12, 407-416	3.2	2
19	Bioassays to screen the toxicity in drinking water samples collected in Brazilian rural area. *Toxicology Research*, **2021**, 10, 856-867	2.6	2
18	Experimental reproduction of congenital anomalies in the progeny of cows fed apple pomace during pregnancy. *Pesquisa Veterinaria Brasileira*, **2019**, 39, 371-375	0.4	1

17	Effective methods for the determination of triphenyltin residues in surface water and soil samples by high-performance liquid chromatography with tandem mass spectrometry. *Analytical Methods*, **2020**, 12, 2323-2330	3.2	1
16	Determination of Residues of the Fungicide Metalaxyl in Water by Solid-Phase Extraction with Gas Chromatography and Nitrogenâ€Phosphorus Detection. *Analytical Letters*, **2003**, 36, 1393-1400	2.2	1
15	Quantitative Analysis and Method Validation. *Chromatographic Science*, **2015**, 303-324		1
14	Organic and conventional agriculture: Conventional rice farming causes biochemical changes in Astyanax lacustris. *Science of the Total Environment*, **2020**, 744, 140820	10.2	1
13	Dilution of QuEChERS Extracts Without Cleanup Improves Results in the UHPLC-MS/MS Multiresidue Analysis of Pesticides in Tomato. *Food Analytical Methods*, **2021**, 14, 1511-1523	3.4	1
12	Water quality variables and emerging environmental contaminant in water for human consumption in Rio Grande do Sul, Brazil. *Environmental Challenges*, **2021**, 5, 100266	2.6	1
11	Advanced Sample Preparation Techniques for Pesticide Residues Determination by HRMS Analysis **2017**, 131-164		0
10	Effects of chlorantraniliprole insecticide on innate immune response of silver catfish (Rhamdia quelen) naturally infected with Aeromonas hydrophila. *Microbial Pathogenesis*, **2020**, 149, 104584	3.8	0
9	Environmentally relevant pesticides induce biochemical changes in Nile tilapia (Oreochromis niloticus). *Ecotoxicology*, **2021**, 30, 585-598	2.9	0
8	Acute Silver Catfish (Rhamdia quelen) Exposure to Chlorantraniliprole Insecticide. *Bulletin of Environmental Contamination and Toxicology*, **2021**, 107, 883-888	2.7	0
7	Multi-criteria decision-making techniques associated with (Q)SAR risk assessment for ranking surface water microcontaminants identified using LC-QTOF MS. *Science of the Total Environment*, **2021**, 797, 149002	10.2	0
6	Suppressed Ion Chromatographic Determination of Chloride in Concrete. *Journal of High Resolution Chromatography*, **1999**, 22, 245-246		
5	Determination of Amitraz in Cattle Dipping Baths by High-Performance Liquid Chromatography. *Journal of High Resolution Chromatography*, **1999**, 22, 247-249		
4	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. *Separations*, **2021**, 8, 214	3.1	
3	On the search of a suitable indicator of pharmaceutical pollution in marine environments **2021**, 403-417		
2	Residual effects and foliar persistence of pesticides used in irrigated rice on the parasitoid Telenomus podisi (Hymenoptera: Platygastridae). *Journal of Pest Science*,1	5.5	
1	Multiresidue Determination of Fungicides in Wine by Solvent Demulsification-Dispersive Liquid-Liquid Microextraction and Ultra-High Performance Liquid Chromatographyâ€Tandem Mass Spectrometry. *Food Analytical Methods*,1	3.4	