

Csar Tarley

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199
papers

4,524
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36
h-index

55
g-index

212
ext. papers

4,985
ext. citations

4
avg, IF

5.89
L-index

#	Paper	IF	Citations
199	Biosorption of heavy metals using rice milling by-products. Characterisation and application for removal of metals from aqueous effluents. <i>Chemosphere</i> , 2004 , 54, 987-95	8.4	234
198	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. <i>Microchemical Journal</i> , 2009 , 92, 58-67	4.8	189
197	Solid-phase extraction system for Pb (II) ions enrichment based on multiwall carbon nanotubes coupled on-line to flame atomic absorption spectrometry. <i>Talanta</i> , 2007 , 71, 1512-9	6.2	141
196	Use of modified rice husks as a natural solid adsorbent of trace metals: characterisation and development of an on-line preconcentration system for cadmium and lead determination by FAAS. <i>Microchemical Journal</i> , 2004 , 77, 163-175	4.8	118
195	Synthesis and application of imprinted polyvinylimidazole-silica hybrid copolymer for Pb ²⁺ determination by flow-injection thermospray flame furnace atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2011 , 703, 145-51	6.6	85
194	Simultaneous determination of zinc, cadmium and lead in environmental water samples by potentiometric stripping analysis (PSA) using multiwalled carbon nanotube electrode. <i>Journal of Hazardous Materials</i> , 2009 , 169, 256-62	12.8	83
193	Highly improved sensitivity of TS-FF-AAS for Cd(II) determination at ng L ⁻¹ levels using a simple flow injection minicolumn preconcentration system with multiwall carbon nanotubes. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 1305-1313	3.7	81
192	Removal of metal ions Cd (II), Pb (II), and Cr (III) from water by the cashew nut shell Anacardium occidentale L. <i>Ecological Engineering</i> , 2014 , 73, 514-525	3.9	80
191	Characterization and use of Moringa oleifera seeds as biosorbent for removing metal ions from aqueous effluents. <i>Water Science and Technology</i> , 2010 , 62, 2198-203	2.2	80
190	Speciation analysis of chromium in water samples through sequential combination of dispersive magnetic solid phase extraction using mesoporous amino-functionalized Fe ₃ O ₄ /SiO ₂ nanoparticles and cloud point extraction. <i>Microchemical Journal</i> , 2015 , 123, 185-195	4.8	69
189	Molecularly-imprinted solid phase extraction of catechol from aqueous effluents for its selective determination by differential pulse voltammetry. <i>Analytica Chimica Acta</i> , 2005 , 548, 11-19	6.6	69
188	Cadmium ion-selective sorbent preconcentration method using ion imprinted poly(ethylene glycol dimethacrylate-co-vinylimidazole). <i>Reactive and Functional Polymers</i> , 2010 , 70, 325-333	4.6	67
187	On-line molecularly imprinted solid phase extraction for the selective spectrophotometric determination of catechol. <i>Microchemical Journal</i> , 2007 , 85, 290-296	4.8	67
186	Exploiting micellar environment for simultaneous electrochemical determination of ascorbic acid and dopamine. <i>Talanta</i> , 2005 , 67, 829-35	6.2	63
185	Ion-imprinted polyvinylimidazole-silica hybrid copolymer for selective extraction of Pb(II): Characterization and metal adsorption kinetic and thermodynamic studies. <i>Reactive and Functional Polymers</i> , 2012 , 72, 83-91	4.6	58
184	Thermally reduced graphene oxide: synthesis, studies and characterization. <i>Journal of Materials Science</i> , 2018 , 53, 12005-12015	4.3	57
183	Simultaneous Square-Wave Voltammetric Determination of Paracetamol, Caffeine and Orphenadrine in Pharmaceutical Formulations Using a Cathodically Pretreated Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2013 , 25, 1734-1741	3	57

182	DEVELOPMENT OF AN ELECTROCHEMICAL SENSOR MODIFIED WITH MWCNT-COOH AND MIP FOR DETECTION OF DIURON. <i>Electrochimica Acta</i> , 2015 , 182, 122-130	6.7	56
181	Polímeros biomiméticos em química analítica. Parte 1: preparo e aplicações de MIP ("Molecularly Imprinted Polymers") em técnicas de extração e separação. <i>Química Nova</i> , 2005 , 28, 1076-1086	1.6	53
180	Preparation of SiO ₂ /Nb ₂ O ₅ /ZnO mixed oxide by sol-gel method and its application for adsorption studies and on-line preconcentration of cobalt ions from aqueous medium. <i>Chemical Engineering Journal</i> , 2014 , 239, 233-241	14.7	51
179	Evaluation of boron-doped diamond electrode for simultaneous voltammetric determination of hydrochlorothiazide and losartan in pharmaceutical formulations. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 263-270	8.5	51
178	Characteristic Levels of Some Heavy Metals from Brazilian Canned Sardines (<i>Sardinella brasiliensis</i>). <i>Journal of Food Composition and Analysis</i> , 2001 , 14, 611-617	4.1	51
177	A sensitive method for cadmium determination using an on-line polyurethane foam preconcentration system and thermospray flame furnace atomic absorption spectrometry. <i>Analytical Sciences</i> , 2004 , 20, 961-6	1.7	50
176	Copper Ions Adsorption from Aqueous Medium Using the Biosorbent Sugarcane Bagasse In Natura and Chemically Modified. <i>Water, Air, and Soil Pollution</i> , 2011 , 216, 351-359	2.6	49
175	Cadmium mobility in sediments and soils from a coal mining area on Tibagi River watershed: environmental risk assessment. <i>Journal of Hazardous Materials</i> , 2014 , 265, 280-7	12.8	48
174	Improved selective cholesterol adsorption by molecularly imprinted poly(methacrylic acid)/silica (PMAA-SiO ₂) hybrid material synthesized with different molar ratios. <i>Materials Science and Engineering C</i> , 2014 , 44, 99-108	8.3	46
173	Sorbent separation and enrichment method for cobalt ions determination by graphite furnace atomic absorption spectrometry in water and urine samples using multiwall carbon nanotubes. <i>International Journal of Environmental Analytical Chemistry</i> , 2009 , 89, 489-502	1.8	42
172	Development of a simple, rapid and validated square wave voltammetric method for determination of promethazine in raw material and pharmaceutical formulation using DNA modified multiwall carbon nanotube paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 251-259	8.5	41
171	Study on the cross-linked molecularly imprinted poly(methacrylic acid) and poly(acrylic acid) towards selective adsorption of diuron. <i>Reactive and Functional Polymers</i> , 2016 , 100, 26-36	4.6	40
170	An improved method for simultaneous square-wave voltammetric determination of amlodipine and enalapril at multi-walled carbon nanotubes paste electrode based on effect of cationic surfactant. <i>Sensors and Actuators B: Chemical</i> , 2014 , 205, 234-243	8.5	40
169	Novel on-line sequential preconcentration system of Cr(III) and Cr(VI) hyphenated with flame atomic absorption spectrometry exploiting sorbents based on chemically modified silica. <i>Talanta</i> , 2012 , 100, 71-9	6.2	40
168	Voltammetric method optimized by multi-response assays for the simultaneous measurements of uric acid and acetaminophen in urine in the presence of surfactant using MWCNT paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 696, 52-58	4.1	40
167	Synthesis and application of a peroxidase-like molecularly imprinted polymer based on hemin for selective determination of serotonin in blood serum. <i>Analytica Chimica Acta</i> , 2009 , 631, 170-6	6.6	39
166	Highly improved chromium (III) uptake capacity in modified sugarcane bagasse using different chemical treatments. <i>Química Nova</i> , 2012 , 35, 1606-1611	1.6	37
165	Selective sorbent enrichment of nickel ions from aqueous solutions using a hierarchically hybrid organic-inorganic polymer based on double imprinting concept. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 419-430	1.5	36

164	A catalytically active molecularly imprinted polymer that mimics peroxidase based on hemin: application to the determination of p-aminophenol. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 1919-29	4.4	36
163	Electrochemical study for the simultaneous determination of phenolic compounds and emerging pollutant using an electroanalytical sensing system based on carbon nanotubes/surfactant and multivariate approach in the optimization. <i>Microchemical Journal</i> , 2016 , 124, 65-75	4.8	35
162	Kinetic and Isotherm Studies of Ni ²⁺ Adsorption on Poly(methacrylic acid) Synthesized through a Hierarchical Double-Imprinting Method Using a Ni ²⁺ Ion and Cationic Surfactant as Templates. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 8550-8557	3.9	34
161	Cellulose microfiber functionalized with N,N'-bis (2-aminoethyl)-1,2-ethanediamine as a solid sorbent for the fast preconcentration of Cd(II) in flow system analysis. <i>Talanta</i> , 2011 , 85, 2417-24	6.2	34
160	Adsorption studies of Cd(II) onto Al ₂ O ₃ /Nb ₂ O ₅ mixed oxide dispersed on silica matrix and its on-line preconcentration and determination by flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 329-337	3.1	34
159	Assessment of chemically modified sugarcane bagasse for lead adsorption from aqueous medium. <i>Water Science and Technology</i> , 2010 , 62, 457-65	2.2	33
158	Proximate composition, cholesterol and fatty acids profile of canned sardines (<i>Sardinella brasiliensis</i>) in soybean oil and tomato sauce. <i>Food Chemistry</i> , 2004 , 88, 1-6	8.5	32
157	Feasibility of supramolecular solvent-based microextraction for simultaneous preconcentration of herbicides from natural waters with posterior determination by HPLC-DAD. <i>Microchemical Journal</i> , 2017 , 133, 650-657	4.8	31
156	Grafting 3-mercaptopropyl trimethoxysilane on multi-walled carbon nanotubes surface for improving on-line cadmium(II) preconcentration from water samples. <i>Journal of Hazardous Materials</i> , 2012 , 243, 326-33	12.8	31
155	Amperometric determination of chloroguaiacol at submicromolar levels after on-line preconcentration with molecularly imprinted polymers. <i>Talanta</i> , 2006 , 69, 259-66	6.2	31
154	Highly improved simultaneous herbicides determination in water samples by differential pulse voltammetry using boron-doped diamond electrode and solid phase extraction on cross-linked poly(vinylimidazole). <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 166-175	8.5	31
153	Flow injection on-line minicolumn preconcentration and determination of trace copper ions using an alumina/titanium oxide grafted silica matrix and FAAS. <i>Mikrochimica Acta</i> , 2012 , 178, 61-70	5.8	30
152	Preparation of new ion-selective cross-linked poly(vinylimidazole-co-ethylene glycol dimethacrylate) using a double-imprinting process for the preconcentration of Pb ²⁺ ions. <i>Journal of Colloid and Interface Science</i> , 2015 , 450, 254-263	9.3	29
151	Study of cross-linked poly(methacrylic acid) and polyvinylimidazole as selective adsorbents for on-line preconcentration and redox speciation of chromium with flame atomic absorption spectrometry determination. <i>Microchemical Journal</i> , 2014 , 117, 18-26	4.8	29
150	Synthesis and evaluation of different adsorbents based on poly(methacrylic acid- <i>co</i> -trimethylolpropane trimethacrylate) and poly(vinylimidazole- <i>co</i> -trimethylolpropane trimethacrylate) for the adsorption of tebuthiuron from aqueous medium. <i>Reactive and Functional Polymers</i> , 2015 , 93, 1-9	4.6	29
149	Flow-based method for epinephrine determination using a solid reactor based on molecularly imprinted poly(FePPMAA- <i>co</i> -GDMA). <i>Materials Science and Engineering C</i> , 2011 , 31, 114-119	8.3	28
148	Development of molecularly imprinted poly(methacrylic acid)/silica for clean-up and selective extraction of cholesterol in milk prior to analysis by HPLC-UV. <i>Analyst, The</i> , 2014 , 139, 5021-7	5	27
147	Development and application of an electrochemical biosensor based on carbon paste and silica modified with niobium oxide, alumina and DNA (SiO ₂ /Al ₂ O ₃ /Nb ₂ O ₅ /DNA) for amitriptyline determination. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 704, 159-168	4.1	27

- 146 Factorial Design and Doehlert Matrix in Optimization of Flow System for Preconcentration of Copper on Polyurethane Foam Loaded with 4-(2-Pyridylazo)-resorcinol. *Analytical Letters*, **2004**, 37, 1437-1455 ^{2,2} 27
- 145 Chemical modifications on pinus bark for adsorption of toxic metals. *Journal of Environmental Chemical Engineering*, **2018**, 6, 1271-1278 6.8 26
- 144 Thermospray flame furnace-AAS determination of copper after on-line sorbent preconcentration using a system optimized by experimental designs. *Analytical Sciences*, **2005**, 21, 1337-42 1.7 26
- 143 Magnetic restricted-access carbon nanotubes for dispersive solid phase extraction of organophosphates pesticides from bovine milk samples. *Analytica Chimica Acta*, **2020**, 1102, 11-23 6.6 26
- 142 Chemical Modifications of Cassava Peel as Adsorbent Material for Metals Ions from Wastewater. *Journal of Chemistry*, **2016**, 2016, 1-15 2.3 26
- 141 Carbon Nanotube Based Sensor for Simultaneous Determination of Acetaminophen and Ascorbic Acid Exploiting Multiple Response Optimization and Measures in the Presence of Surfactant. *Electroanalysis*, **2012**, 24, 2291-2301 3 25
- 140 Development of a square wave voltammetric method for dopamine determination using a biosensor based on multiwall carbon nanotubes paste and crude extract of Cucurbita pepo L.. *Sensors and Actuators B: Chemical*, **2013**, 185, 743-754 8.5 25
- 139 Speciation of Sb(III) and Sb(V) in meglumine antimoniate pharmaceutical formulations by PSA using carbon nanotube electrode. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 50, 151-7 3.5 25
- 138 Hybrid molecularly imprinted poly(methacrylic acid-TRIM)-silica chemically modified with (3-glycidyloxypropyl)trimethoxysilane for the extraction of folic acid in aqueous medium. *Materials Science and Engineering C*, **2016**, 59, 643-651 8.3 24
- 137 A nanocomposite based on multi-walled carbon nanotubes grafted by molecularly imprinted poly(methacrylic acid-βemim) as a peroxidase-like catalyst for biomimetic sensing of acetaminophen. *RSC Advances*, **2016**, 6, 28751-28760 3.7 24
- 136 On-line micro-solid phase preconcentration of Cd²⁺ coupled to TS-FF-AAS using a novel ion-selective bifunctional hybrid imprinted adsorbent. *Microchemical Journal*, **2017**, 131, 57-69 4.8 23
- 135 Preparation and characterization of a composite based on polyaniline, polypyrrole and cigarette filters: adsorption studies and kinetics of phenylbutazone in aqueous media. *RSC Advances*, **2016**, 6, 64430-64439 ^{3,7} 23
- 134 Removal of cadmium from water using by-product Crambe abyssinica Hochst seeds as biosorbent material. *Water Science and Technology*, **2013**, 68, 227-33 2.2 23
- 133 Synthesis of novel copper ion-selective material based on hierarchically imprinted cross-linked poly(acrylamide-co-ethylene glycol dimethacrylate). *Reactive and Functional Polymers*, **2014**, 82, 72-80 4.6 22
- 132 Synthesis and characterization of cross-linked molecularly imprinted polyacrylamide for the extraction/preconcentration of glyphosate and aminomethylphosphonic acid from water samples. *Reactive and Functional Polymers*, **2014**, 83, 76-83 4.6 22
- 131 Synthesis and adsorption studies of novel hybrid mesoporous copolymer functionalized with protoporphyrin for batch and on-line solid-phase extraction of Cd²⁺ ions. *Reactive and Functional Polymers*, **2013**, 73, 838-846 4.6 22
- 130 Preparation and evaluation of kinetics and thermodynamics studies of lead adsorption onto chemically modified banana peels. *Desalination and Water Treatment*, **2013**, 51, 5682-5691 22
- 129 Application of aqai stalks as biosorbent for the removal of Evans Blue and Vilmafix Red RR-2B dyes from aqueous solutions. *Desalination and Water Treatment*, **2013**, 51, 4582-4592 22

128	Synthesis of Surface Molecularly Imprinted Poly(methacrylic acid-hemin) on Carbon Nanotubes for the Voltammetric Simultaneous Determination of Antioxidants from Lipid Matrices and Biodiesel. <i>Electrochimica Acta</i> , 2016 , 212, 322-332	6.7	22
127	Removal of toxic metals using endocarp of aãberry as biosorbent. <i>Water Science and Technology</i> , 2018 , 77, 1547-1557	2.2	21
126	Feasibility study of ethylone determination in seized samples using boron-doped diamond electrode associated with solid phase extraction. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 1113-1122	8.5	21
125	Simultaneous determination of hydrochlorothiazide and valsartan in combined dosage forms: Electroanalytical performance of cathodically pretreated boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 732, 46-52	4.1	21
124	A highly improved method for sensitive determination of amitriptyline in pharmaceutical formulations using an unmodified carbon nanotube electrode in the presence of sulfuric acid. <i>Talanta</i> , 2014 , 127, 26-32	6.2	21
123	Preconcentration and Speciation of Sb(III) and Sb(V) in Water Samples and Blood Serum after Cloud Point Extraction Using Chemometric Tools for Optimization. <i>Analytical Letters</i> , 2008 , 41, 2465-2486	2.2	21
122	Proximate Composition and Fatty Acid Profile in Brazilian Poultry Sausages. <i>Journal of Food Composition and Analysis</i> , 2000 , 13, 915-920	4.1	21
121	Development and Application of Electrochemical Sensor Based on Molecularly Imprinted Polymer and Carbon Nanotubes for the Determination of Carvedilol. <i>Chemosensors</i> , 2016 , 4, 22	4	21
120	Preparation of a new restricted access molecularly imprinted hybrid adsorbent for the extraction of folic acid from milk powder samples. <i>Analytical Methods</i> , 2016 , 8, 656-665	3.2	20
119	Polímeros impressos com ãns: fundamentos, estratãgias de preparo e aplicaõs em quíica analítica. <i>Química Nova</i> , 2013 , 36, 1194-1207	1.6	20
118	Multivariate optimization and validation of an analytical methodology by RP-HPLC for the determination of losartan potassium in capsules. <i>Talanta</i> , 2009 , 80, 236-41	6.2	20
117	Polímeros biomiméticos em quíica analítica. Parte 2: aplicaõs de MIP ("Molecularly Imprinted Polymers") no desenvolvimento de sensores quíicos. <i>Química Nova</i> , 2005 , 28, 1087-1101	1.6	20
116	Insight into the performance of molecularly imprinted poly(methacrylic acid) and polyvinylimidazole for extraction of imazethapyr in aqueous medium. <i>Chemical Engineering Journal</i> , 2018 , 343, 583-596	14.7	19
115	Utilization of Passion Fruit Skin By-Product as Lead(II) Ion Biosorbent. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	19
114	Evaluation of vermicompost as a raw natural adsorbent for adsorption of pesticide methylparathion. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 167-72	2.6	19
113	Development and feasibility of emulsion breaking method for the extraction of cadmium from omega-3 dietary supplements and determination by flow injection TS-FF-AAS. <i>Microchemical Journal</i> , 2016 , 127, 145-151	4.8	18
112	Enhanced sorption of Mn ²⁺ ions from aqueous medium by inserting protoporphyrin as a pendant group in poly(vinylpyridine) network. <i>Chemical Engineering Journal</i> , 2013 , 221, 275-282	14.7	18
111	Assessment on the performance of nano-carbon black as an alternative material for extraction of carbendazim, tebutiuron, hexazinone, diuron and ametryn. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 93-102	6.8	17

110	Removal of Cd(II), Pb(II) and Cr(III) from water using modified residues of <i>Anacardium occidentale</i> L.. <i>Applied Water Science</i> , 2018 , 8, 1	5	17
109	Silica-alumina-niobia (SiO ₂ /Al ₂ O ₃ /Nb ₂ O ₅) matrix obtained by the sol-gel processing method: new material for online extraction of zinc ions. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 1106-1116	1.5	17
108	Electrospinning in the preparation of an electrochemical sensor based on carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2020 , 298, 112068	6	16
107	OnLine Coupling of a Flow Injection System to TS-FF-AAS for Preconcentration and Determination of Lead in Water and Vegetables. <i>Analytical Letters</i> , 2005 , 38, 1427-1443	2.2	15
106	Assessment of ultrasound-assisted extraction combined with supramolecular solvent-based microextraction for highly sensitive cadmium determination in medicinal plant sample by TS-FF-AAS. <i>Microchemical Journal</i> , 2019 , 145, 1071-1077	4.8	15
105	Development of new analytical method for preconcentration/speciation of inorganic antimony in bottled mineral water using FIA-HG AAS system and SiO/AlO/SnO ternary oxide. <i>Food Chemistry</i> , 2019 , 294, 405-413	8.5	14
104	Evaluation of a new water-compatible hybrid molecularly imprinted polymer combined with restricted access for the selective recognition of folic acid in binding assays. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	14
103	Adsorption mechanism of chromium(III) using biosorbents of <i>Jatropha curcas</i> L. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 21778-21790	5.1	14
102	3-mercaptopropyltrimethoxysilane-Modified Multi-walled Carbon Nanotubes as a New Functional Adsorbent for Flow Injection Extraction of Pb(II) from Water and Sediment Samples. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 6069-6081	2.6	14
101	Lead(II) adsorption by peach palm waste. <i>Desalination and Water Treatment</i> , 2012 , 48, 335-343		14
100	Selective and sensitive voltammetric determination of folic acid using graphite/restricted access molecularly imprinted poly(methacrylic acid)/SiO ₂ composite. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 818, 223-230	4.1	13
99	Development of a Carbon Paste Electrode for Lactate Detection Based on Meldola's Blue Adsorbed on Silica Gel Modified with Niobium Oxide and Lactate Oxidase. <i>Electroanalysis</i> , 2011 , 23, 1470-1477	3	13
98	Supramolecular microextraction combined with paper spray ionization mass spectrometry for sensitive determination of tricyclic antidepressants in urine. <i>Analytica Chimica Acta</i> , 2020 , 1106, 52-60	6.6	13
97	Bisphenol A adsorption in aqueous medium by investigating organic and inorganic components of hybrid polymer (polyvinylpyridine/SiO ₂ /APTMS). <i>Chemical Engineering Journal</i> , 2019 , 367, 102-114	14.7	13
96	Study on the performance of micro-flow injection preconcentration method on-line coupled to thermospray flame furnace AAS using MWCNTs wrapped with polyvinylpyridine nanocomposites as adsorbent. <i>RSC Advances</i> , 2017 , 7, 19296-19304	3.7	12
95	Assessment of surfactants on performance of molecularly imprinted polymer toward adsorption of pharmaceutical. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103037	6.8	12
94	Influence of pore former and transition metal on development of nanophases in porous silicon oxycarbide (SiCO) ceramics obtained by catalyst-assisted pyrolysis. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 1365-1376	6	12
93	Assessment of organosilane-functionalized nano-carbon black for interference-free on-line Pb(II) ion enrichment in water, herbal medicines and environmental samples. <i>Analytical Methods</i> , 2016 , 8, 2820-2830	12	12

92	BiVO ₄ •Bi ₂ O ₃ /ITO electrodes prepared by layer-by-layer: Application in the determination of atenolol in pharmaceutical formulations and urine. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 765, 30-36	4.1	12
91	Development of a reliable and selective voltammetric method for determination of designer drug 1-(3-chlorophenyl)piperazine (mCPP) using boron-doped diamond electrode and exploiting surfactant-mediated measurements. <i>Sensors and Actuators B: Chemical</i> , 2020 , 310, 127812	8.5	11
90	Preparation and application of nanocomposite based on imprinted poly(methacrylic acid)-PAN/MWCNT as a new electrochemical selective sensing platform of Pb ²⁺ in water samples. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 801, 114-121	4.1	11
89	Synthesis, characterization and kinetics of catalytically active molecularly imprinted polymers for the selective recognition of 4-aminophenol. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 820-825	1.5	11
88	Simultaneous microextraction of carbendazim, fipronil and picoxystrobin in naturally and artificial occurring water bodies by water-induced supramolecular solvent and determination by HPLC-DAD. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111897	6	11
87	Synthesis and application of restricted access material-ion imprinted poly(allylthiourea) for selective separation of Cd ²⁺ and humic acid exclusion. <i>Reactive and Functional Polymers</i> , 2019 , 134, 93-103	4.6	10
86	Sensitive Simultaneous Determination of o-Nitrophenol and p-Nitrophenol in Water by Surfactant-Mediated Differential Pulse Voltammetry. <i>Analytical Letters</i> , 2019 , 52, 1462-1476	2.2	10
85	Performance of restricted access copper-imprinted poly(allylthiourea) in an on-line preconcentration and sample clean-up FIA-FAAS system for copper determination in milk samples. <i>Talanta</i> , 2019 , 202, 460-468	6.2	10
84	Electrochemical evaluation and simultaneous determination of binary mixture of antihypertensives hydrochlorothiazide and enalapril in combined dosage forms using carbon nanotubes paste electrode. <i>Ionics</i> , 2015 , 21, 1615-1622	2.7	10
83	A Facile Vortex-Assisted Dispersive Liquid-Liquid Microextraction Method for the Determination of Uranyl Ion at Low Levels by Spectrophotometry. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015 , 95, 215-20	2.7	10
82	Influence of activated charcoal on the structural and morphological characteristics of ceramic based on silicon oxycarbide (SiOC): A promising approach to obtain a new electrochemical sensing platform. <i>Materials Chemistry and Physics</i> , 2016 , 175, 33-45	4.4	10
81	Evaluation of poly(vinylpyridine)-supported protoporphyrin resin for the sampling/separation of manganese(II) using a hyphenated FIA-FAAS system. <i>Analytical Methods</i> , 2013 , 5, 3264	3.2	10
80	Synthesis of Pb(II)-imprinted poly(methacrylic acid) polymeric particles loaded with 1-(2-pyridylazo)-2-naphthol (PAN) for micro-solid phase preconcentration of Pb ²⁺ on-line coupled to flame atomic absorption spectrometry. <i>RSC Advances</i> , 2017 , 7, 33001-33011	3.7	10
79	Synthesis, characterization and application of ion imprinted poly(vinylimidazole) for zinc ion extraction/preconcentration with faas determination. <i>Quimica Nova</i> , 2014 , 37, 63-68	1.6	10
78	Preconcentration/Cleanup Studies of Tin from Environmental Water Samples by Oxidized Multiwall Carbon Nanotubes Packed Column and its Determination by ETAAS. <i>Water, Air, and Soil Pollution</i> , 2011 , 217, 557-565	2.6	10
77	Losartan potassium dissolution test for drug release evaluation in pharmaceutical capsules using HPLC and UV spectrophotometry. <i>Quimica Nova</i> , 2010 , 33, 377-383	1.6	10
76	Simple and sensitive electroanalytical method for the determination of ascorbic acid in urine samples using measurements in an aqueous cationic micellar medium. <i>Analytical Sciences</i> , 2008 , 24, 1569-74	1.7	10
75	Development of selective preconcentration/clean-up method for imidazolinone herbicides determination in natural water and rice samples by HPLC-PAD using an imazethapyr imprinted poly(vinylimidazole-TRIM). <i>Food Chemistry</i> , 2021 , 334, 127345	8.5	10

74	A <i>Crambe abyssinica</i> seed by-product as biosorbent for lead(II) removal from water. <i>Desalination and Water Treatment</i> , 2015 , 53, 139-148		9
73	Feasibility of a Nano-Carbon Black Paste Electrode for Simultaneous Voltammetric Determination of Antioxidants in Food Samples and Biodiesel in the Presence of Surfactant. <i>Electroanalysis</i> , 2020 , 32, 1198-1207	3	9
72	Development of carbon paste electrode modified with cadmium ion-imprinted polymer for selective voltammetric determination of Cd ²⁺ . <i>International Journal of Environmental Analytical Chemistry</i> , 2017 , 97, 1378-1392	1.8	9
71	Studies of Pb ²⁺ adsorption by <i>Moringa oleifera</i> Lam. seeds from an aqueous medium in a batch system. <i>Water Science and Technology</i> , 2014 , 69, 163-9	2.2	9
70	Use of experimental design in the optimisation of a solid phase preconcentration system for Cobalt determination by GFAAS. <i>Eletica Quimica</i> , 2005 , 30, 65-74	2.6	9
69	Micelle-mediated method for simultaneous determination of ascorbic acid and uric acid by differential pulse voltammetry. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1567-1573	1.5	9
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67	Preconcentration of Nickel(II) by a Mini-Flow System with a Novel Ternary Oxide Solid Phase and Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 2016 , 49, 723-736	2.2	8
66	Emprego de sílica gel organicamente modificada e impressa ionicamente para pré-concentração seletiva on-line de íons cobre. <i>Quimica Nova</i> , 2010 , 33, 301-308	1.6	8
65	Combination of supramolecular solvent-based microextraction and ultrasound-assisted extraction for cadmium determination in flaxseed flour by thermospray flame furnace atomic absorption spectrometry. <i>Food Chemistry</i> , 2021 , 357, 129695	8.5	8
64	Poly(methacrylic acid)/SiO ₂ /Al ₂ O ₃ based organic-inorganic hybrid adsorbent for adsorption of imazethapyr herbicide from aqueous medium. <i>Reactive and Functional Polymers</i> , 2017 , 121, 101-109	4.6	7
63	Adsorção de cromo (III) por resíduos de laranja in natura e quimicamente modificados. <i>Semina: Ciências Exatas E Tecnológicas</i> , 2012 , 33, 3-16	0.2	7
62	Enhanced Selectivity and Sensitivity for Flow Injection Spectrophotometric Determination of Cobalt Using Solid Phase Extraction with a 2D Ion-Imprinted Adsorbent. <i>Analytical Letters</i> , 2011 , 44, 216-231	2.3	7
61	Highly sensitive ion preconcentration method based on flow sorbent extraction using multiwall carbon nanotubes. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 767-782	1.8	7
60	Biossorção de cobre utilizando-se o mesocarpo e o endocarpo da macadâmia natural e quimicamente tratados. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2012 , 16, 1359-1366	0.9	7
59	Semi-Empirical Quantum Chemistry Method for Pre-Polymerization Rational Design of Ciprofloxacin Imprinted Polymer and Adsorption Studies. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	7
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57	A new analytical method for lead determination in atmospheric particulate matter by a combination of ultrasound-assisted extraction and supramolecular solvent preconcentration. <i>Analytical Methods</i> , 2018 , 10, 3745-3753	3.2	7

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55	Leachability of major and minor elements from soils and sediments of an abandoned coal mining area in Southern Brazil. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 83	3.1	6
54	Double-Imprinted Cross-Linked Poly(Acrylamide-co-Ethylene Glycol Dimethacrylate) as a Novel Sorbent for the On-Line Preconcentration and Determination of Copper(II) by Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 2015 , 48, 61-74	2.2	6
53	Influence of molecular architecture of Si-containing precursors and HF chemical treatment on structural and textural features of silicon oxycarbide (SiOC) materials. <i>Ceramics International</i> , 2019 , 45, 21698-21708	5.1	6
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51	Study of silica-manganese oxide hybrid material as a new solid phase for on-line continuous flow enrichment of Cd(II) ions coupled to flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2013 , 109, 98-105	4.8	6
50	Direct introduction of water sample in multisegmented flow-injection analysis for sulfide determination. <i>Analytical Sciences</i> , 2011 , 27, 309-13	1.7	6
49	Climatology of hail in the triple border Paran�Santa Catarina (Brazil) and Argentina. <i>Atmospheric Research</i> , 2020 , 234, 104747	5.4	6
48	Triple activation (thermal-chemical-physical) in the development of an activated carbon from tobacco: characterizations and optimal conditions for Cd ²⁺ and Pb ²⁺ removal from waters. <i>Water Practice and Technology</i> , 2020 , 15, 877-898	0.9	6
47	Electroanalytical Determination of Morpholine as a Corrosion Inhibitor at a Cathodically Pretreated Boron-Doped Diamond Electrode. <i>Analytical Letters</i> , 2019 , 52, 1083-1096	2.2	6
46	Ascorbic acid electrocatalytic activity in different electrolyte solutions using electrodeposited Co(OH) ₂ . <i>Ionics</i> , 2019 , 25, 1911-1920	2.7	5
45	Assessment of in vitro bioaccessibility of macrominerals and trace elements in green banana flour. <i>Journal of Food Composition and Analysis</i> , 2020 , 92, 103586	4.1	5
44	Development of a Molecularly Imprinted Poly(Acrylic Acid)-MWCNT Nanocomposite Electrochemical Sensor for Tramadol Determination in Pharmaceutical Samples. <i>Electroanalysis</i> , 2020 , 32, 1130-1137	3	5
43	Biosorption of Pb ²⁺ , Cr ³⁺ , and Cu ²⁺ by peach palm sheath modified colonized by <i>Agaricus Blazei</i> . <i>Desalination and Water Treatment</i> , 2016 , 57, 19927-19938		5
42	A simple turbidimetric flow injection system for saccharin determination in sweetener products. <i>Chemical Papers</i> , 2010 , 64,	1.9	5
41	Solid Phase Extraction to On-Line Preconcentrate Trace Cadmium Using Chemically Modified Nano-Carbon Black with 3-Mercaptopropyltrimethoxysilane. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	5
40	Design of high-performance adsorption cross-linked organic functional polymers towards tricyclic antidepressants using computational simulation. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102849	6.8	5
39	Influence of synthesis conditions on the production of molecularly imprinted polymers for the selective recovery of isovaleric acid from anaerobic effluents. <i>Polymer International</i> , 2019 , 68, 428-438	3.3	5

38	Synthesis of novel poly(methacrylic acid)/ β -cyclodextrin dual grafted MWCNT-based nanocomposite and its use as electrochemical sensing platform for highly selective determination of cocaine. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114791	4.1	5
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36	Evaluation of a Multi-Walled Carbon Nanotube-Hemin Composite for the Voltammetric Determination of Hydrogen Peroxide in Dental Products. <i>Analytical Letters</i> , 2014 , 47, 750-762	2.2	4
35	Optimization and Application of Imprinted Poly(AA-EGDMA) for Solid Phase Extraction of Ciprofloxacin in Artificial Urine. <i>Current Drug Therapy</i> , 2015 , 9, 270-276	0.7	4
34	Estudo eletroquímico do processo de eletrooxidação da prometazina empregando sensor a base de pasta de nanotubos de carbono contendo DNA imobilizado em matriz inorgânica. <i>Semina: Ciências Exatas E Tecnológicas</i> , 2014 , 35, 215	0.2	4
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26	Redox Preconcentration/Speciation of Chromium by Using Nanocomposites Based on Carbon Nanotubes and Functional Polymers 2019 , 139-180		2
25	Structure and porosity of silicon oxycarbide/carbon black composites. <i>Materials Chemistry and Physics</i> , 2020 , 254, 123503	4.4	2
24	Evaluation of kinetic and thermodynamic parameters in adsorption of lead (Pb ²⁺) and chromium (Cr ³⁺) by chemically modified macadamia (<i>Macadamia integrifolia</i>). <i>Desalination and Water Treatment</i> , 2016 , 57, 17738-17747		2
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21	Multivariate development and validation of a stability-indicating HPLC method for the determination of glimepiride in tablets. <i>Journal of AOAC INTERNATIONAL</i> , 2013 , 96, 960-7	1.7	2

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18	Restricted access material-ion imprinted polymer-based method for on-line flow preconcentration of Cd ²⁺ prior to flame atomic absorption spectrometry determination. <i>Microchemical Journal</i> , 2020 , 157, 105022	4.8	2
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11	Estudo eletroquímico do processo de eletrooxidação da amitriptilina empregando sensor a base de pasta de carbono contendo DNA imobilizado em matriz inorgânica. <i>Semina: Ciências Exatas E Tecnológicas</i> , 2015 , 36, 133	0.2	1
10	Spectrophotometric Flow-Injection System Using Multiwalled Carbon Nanotubes as Solid Preconcentrator for Copper Monitoring in Water Samples 2010 , 177-198		1
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- 2 Visible Light Photoelectrochemical Sensor for Acetaminophen Determination using a Glassy Carbon Electrode Modified with BiVO₄ Nanoparticles. *Electroanalysis*, **2021**, 33, 663-671 3 ○
- 1 Development of new electroanalytical method based on graphene oxide-modified glassy carbon electrode for mephedrone illicit drug determination **2022**, 43-56 ○