

Manuel A Azenha

List of Publications by Year in descending order

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59
papers

1,522
citations

279798

23
h-index

315739

38
g-index

59
all docs

59
docs citations

59
times ranked

1848
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in <i>Solanum nigrum</i> L. under Ni stress. <i>Environmental and Experimental Botany</i> , 2016, 122, 115-125.	4.2	175
2	Unbreakable Solid-Phase Microextraction Fibers Obtained by Solâ€“Gel Deposition on Titanium Wire. <i>Analytical Chemistry</i> , 2006, 78, 2071-2074.	6.5	115
3	Copperâ€“induced stress in <i>Solanum nigrum</i> L. and antioxidant defense system responses. <i>Food and Energy Security</i> , 2013, 2, 70-80.	4.3	105
4	Optimization of supercritical fluid extraction of pesticide residues in soil by means of central composite design and analysis by gas chromatographyâ€“tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1110, 6-14.	3.7	92
5	Role of Polyphenols in Copper Complexation in Red Wines. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 2791-2796.	5.2	65
6	SiO ₂ nanomaterial as a tool to improve <i>Hordeum vulgare</i> L. tolerance to nano-NiO stress. <i>Science of the Total Environment</i> , 2018, 622-623, 517-525.	8.0	60
7	Preparation of a polyacrylonitrile/multi-walled carbon nanotubes composite by surface-initiated atom transfer radical polymerization on a stainless steel wire for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2010, 1217, 2758-2767.	3.7	54
8	The requisite level of theory for the computational design of molecularly imprinted silica xerogels. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1843-1849.	10.1	52
9	Assessment of the Pb and Cu in vitro availability in wines by means of speciation procedures. <i>Food and Chemical Toxicology</i> , 2000, 38, 899-912.	3.6	44
10	An efficient antioxidant system and heavy metal exclusion from leaves make <i>Solanum cheesmaniae</i> more tolerant to Cu than its cultivated counterpart. <i>Food and Energy Security</i> , 2017, 6, 123-133.	4.3	43
11	Organic ligands reduce copper toxicity in <i>Pseudomonas syringae</i> . <i>Environmental Toxicology and Chemistry</i> , 1995, 14, 369-373.	4.3	40
12	Ultrathin phenyl-functionalized solid phase microextraction fiber coating developed by solâ€“gel deposition. <i>Journal of Chromatography A</i> , 2005, 1069, 163-172.	3.7	40
13	Butyltin Compounds in Portuguese Wines. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 2713-2716.	5.2	39
14	Headspace solid-phase micro-extraction gas chromatographyâ€“mass detection method for the determination of butyltin compounds in wines. <i>Analytica Chimica Acta</i> , 2002, 458, 231-239.	5.4	38
15	Electrochemical Evidence of Surfactant Activity of the Hepes pH Buffer Which May Have Implications on Trace Metal Availability to Cultures in Vitro. <i>Analytical Biochemistry</i> , 1996, 241, 248-253.	2.4	37
16	Solid-phase microextraction Niâ€“Ti fibers coated with functionalised silica particles immobilized in a solâ€“gel matrix. <i>Journal of Chromatography A</i> , 2009, 1216, 2302-2306.	3.7	34
17	Metalaxyl Effects on Antioxidant Defenses in Leaves and Roots of <i>Solanum nigrum</i> L.. <i>Frontiers in Plant Science</i> , 2017, 8, 1967.	3.6	31
18	Copper(II) Complexation Properties and Surfactant Activity of 3-[N,N-Bis(2-hydroxyethyl)amino]-2-hydroxypropanesulfonic Acid and N-(2-Hydroxyethyl)piperazine-Nâ€“2-hydroxypropanesulfonic Acid pH Buffers Which May Affect Trace Metal Speciation in Vitro Studies. <i>Analytical Biochemistry</i> , 1998, 265, 193-201.	2.4	29

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19	The influence of Cu concentration on ethanolic fermentation by <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2000, 90, 163-167.	2.2	29
20	Imidazolium-based functional monomers for the imprinting of the anti-inflammatory drug naproxen: Comparison of acrylic and sol-gel approaches. <i>Journal of Chromatography A</i> , 2013, 1314, 115-123.	3.7	26
21	An improved bonded-polydimethylsiloxane solid-phase microextraction fiber obtained by a sol-gel/silica particle blend. <i>Analytica Chimica Acta</i> , 2008, 610, 205-210.	5.4	25
22	<i>Solanum nigrum</i> L. weed plants as a remediation tool for metalaxyl-polluted effluents and soils. <i>Chemosphere</i> , 2011, 85, 744-750.	8.2	25
23	Metalaxyl-induced changes in the antioxidant metabolism of <i>Solanum nigrum</i> L. suspension cells. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 235-243.	3.6	25
24	Pb and Cu Speciation and Bioavailability in Port Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 5740-5749.	5.2	22
25	Latest developments on TiO ₂ -based photocatalysis: a special focus on selectivity and hollowness for enhanced photonic efficiency. <i>Applied Catalysis A: General</i> , 2021, 623, 118243.	4.3	19
26	Electrochemical studies of complexation of Pb in red wines. <i>Analyst</i> , The, 2000, 125, 743-748.	3.5	16
27	Estimation of the human intestinal permeability of butyltin species using the Caco-2 cell line model. <i>Food and Chemical Toxicology</i> , 2004, 42, 1431-1442.	3.6	16
28	Impact of Combined Heat and Salt Stresses on Tomato Plants—Insights into Nutrient Uptake and Redox Homeostasis. <i>Antioxidants</i> , 2022, 11, 478.	5.1	16
29	Photo-Fenton plus <i>Solanum nigrum</i> L. weed plants integrated process for the abatement of highly concentrated metalaxyl on waste waters. <i>Chemical Engineering Journal</i> , 2012, 184, 213-220.	12.7	15
30	Preparation of molecularly imprinted hollow TiO ₂ microspheres for selective photocatalysis. <i>Chemical Engineering Journal Advances</i> , 2021, 5, 100071.	5.2	15
31	Molecular Dynamics Simulations of Pregelification Mixtures for the Production of Imprinted Xerogels. <i>Langmuir</i> , 2011, 27, 5062-5070.	3.5	14
32	Measurement artifacts identified in the UV-vis spectroscopic study of adduct formation within the context of molecular imprinting of naproxen. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 661-668.	3.9	13
33	Metal cation sorption ability of immobilized and reticulated chondroitin sulfate or fucoidan through a sol-gel crosslinking scheme. <i>Materials Today Communications</i> , 2016, 8, 172-182.	1.9	12
34	Recognitive nano-thin-film composite beads for the enantiomeric resolution of the metastatic breast cancer drug aminoglutethimide. <i>Journal of Chromatography A</i> , 2014, 1358, 93-101.	3.7	11
35	Chromatographically efficient microspherical composites of molecularly imprinted xerogels deposited inside mesoporous silica. <i>Journal of Chromatography A</i> , 2014, 1355, 158-163.	3.7	10
36	Foliar application of 24-epibrassinolide improves <i>Solanum nigrum</i> L. tolerance to high levels of Zn without affecting its remediation potential. <i>Chemosphere</i> , 2020, 244, 125579.	8.2	10

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37	Synthesis of glycylglycine-imprinted silica microspheres through different water-in-oil emulsion techniques. <i>Journal of Chromatography A</i> , 2013, 1297, 138-145.	3.7	9
38	Computational and Experimental Study of the Effect of PEG in the Preparation of Damascenone-Imprinted Xerogels. <i>Langmuir</i> , 2013, 29, 2024-2032.	3.5	9
39	Cationic imprinting of Pb(II) within composite networks based on bovine or fish chondroitin sulfate. <i>Journal of Molecular Recognition</i> , 2018, 31, e2614.	2.1	8
40	Specific glutathione-S-transferases ensure an efficient detoxification of diclofenac in <i>Solanum lycopersicum</i> L. plants. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 263-271.	5.8	8
41	Estimate of the digestibility, assimilability and intestinal permeability of butyltins occurring in wine. <i>Food and Chemical Toxicology</i> , 2008, 46, 767-773.	3.6	7
42	Preparation and evaluation of Pb(II)-imprinted fucoidan-based sorbents. <i>Reactive and Functional Polymers</i> , 2017, 115, 53-62.	4.1	7
43	Development of mesoporous polysaccharide/sol-gel composites with two different templating agents: Surfactants and choline chloride-based deep eutectic solvents. <i>EXPRESS Polymer Letters</i> , 2019, 13, 261-275.	2.1	7
44	Early Activation of Antioxidant Responses in Ni-Stressed Tomato Cultivars Determines Their Resilience Under Co-exposure to Drought. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 877-891.	5.1	7
45	Vapor-phase testing of the memory-effects in benzene- and toluene-imprinted polymers conditioned at elevated temperature. <i>Analytica Chimica Acta</i> , 2013, 802, 40-45.	5.4	6
46	Molecular Dynamics Simulations of Complex Mixtures Aimed at the Preparation of Naproxen-Imprinted Xerogels. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 3330-3343.	5.4	6
47	Differential effects of acetophenone on shoots' and roots' metabolism of <i>Solanum nigrum</i> L. plants and implications in its phytoremediation. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 391-398.	5.8	6
48	Molecularly Imprinted Sol-Gel Materials for Medical Applications. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 199-222.	2.1	5
49	Influence of pH, concentration and ionic strength during batch and flow-through continuous stirred reactor experiments of Sr ²⁺ -adsorption onto montmorillonite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 2243.	1.5	4
50	Cationic bioimprinted mesoporous polysaccharide/sol-gel composites prepared in media containing choline chloride-based deep eutectic solvents. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48842.	2.6	4
51	Wrack Composed by <i>Fucus</i> spp, <i>Ascophyllum nodosum</i> and <i>Pelvetia canaliculata</i> Limits Metal Uptake and Restores the Redox Homeostasis of Barley Plants Grown in Cu-Contaminated Soils. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 3544-3555.	5.1	4
52	Naproxen-imprinted xerogels in the micro- and nanospherical forms by emulsion technique. <i>Journal of Chromatography A</i> , 2015, 1422, 43-52.	3.7	3
53	Acylated-naproxen as the surface-active template in the preparation of micro- and nanospherical imprinted xerogels by emulsion techniques. <i>Journal of Chromatography A</i> , 2016, 1437, 107-115.	3.7	3
54	The Influence of Cu Concentration on Ethanolic Fermentation by <i>Saccharomyces cerevisiae</i> .. <i>Journal of Bioscience and Bioengineering</i> , 2000, 90, 163-167.	2.2	3

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55	Aminoglutethimide-imprinted xerogels in bulk and spherical formats, based on a multifunctional organo-alkoxysilane precursor. Journal of Chromatography A, 2015, 1424, 59-68.	3.7	2
56	Exploration of the reactive modelling of sol-gel polycondensation in the presence of templates. Soft Matter, 2019, 15, 5770-5778.	2.7	1
57	The potential of beach wrack as plant biostimulant to mitigate metal toxicity: mineral composition, antioxidant properties and effects against Cu-induced stress. Journal of Applied Phycology, 2022, 34, 667-678.	2.8	1
58	Molecular Dynamics Simulations and Comparison of Two New and High Selective Imprinted Xerogels. , 2016, , 339-361.		0
59	Label-Free Anti-Human IgG Biosensor Based on Chemical Modification of a Long Period Fiber Grating Surface. , 2021, 5, .		0