Manuel A Azenha

List of Publications by Year
in descending order

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59	1,522	279798	315739
papers	citations	23 h-index	38 g-index

59	59	59	1848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early Activation of Antioxidant Responses in Ni-Stressed Tomato Cultivars Determines Their Resilience Under Co-exposure to Drought. Journal of Plant Growth Regulation, 2023, 42, 877-891.	5.1	7
2	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
3	Wrack Composed by Fucus spp, Ascophyllum nodosum and Pelvetia canaliculata Limits Metal Uptake and Restores the Redox Homeostasis of Barley Plants Grown in Cu-Contaminated Soils. Journal of Plant Growth Regulation, 2022, 41, 3544-3555.	5.1	4
4	Impact of Combined Heat and Salt Stresses on Tomato Plantsâ€"Insights into Nutrient Uptake and Redox Homeostasis. Antioxidants, 2022, 11, 478.	5.1	16
5	Preparation of molecularly imprinted hollow TiO2 microspheres for selective photocatalysis. Chemical Engineering Journal Advances, 2021, 5, 100071.	5.2	15
6	Latest developments on TiO2-based photocatalysis: a special focus on selectivity and hollowness for enhanced photonic efficiency. Applied Catalysis A: General, 2021, 623, 118243.	4.3	19
7	Specific glutathione-S-transferases ensure an efficient detoxification of diclofenac in Solanum lycopersicum L. plants. Plant Physiology and Biochemistry, 2021, 168, 263-271.	5.8	8
8	Label-Free Anti-Human IgG Biosensor Based on Chemical Modification of a Long Period Fiber Grating Surface. , 2021, 5, .		0
9	Foliar application of 24-epibrassinolide improves Solanum nigrum L. tolerance to high levels of Zn without affecting its remediation potential. Chemosphere, 2020, 244, 125579.	8.2	10
10	Cationâ€bioimprinted mesoporous polysaccharide/solâ€"gel composites prepared in media containing choline chlorideâ€based deep eutectic solvents. Journal of Applied Polymer Science, 2020, 137, 48842.	2.6	4
11	Exploration of the reactive modelling of solâ€"gel polycondensation in the presence of templates. Soft Matter, 2019, 15, 5770-5778.	2.7	1
12	Development of mesoporous polysaccharide/sol-gel composites with two different templating agents: Surfactants and choline chloride-based deep eutectic solvents. EXPRESS Polymer Letters, 2019, 13, 261-275.	2.1	7
13	SiO2 nanomaterial as a tool to improve Hordeum vulgare L. tolerance to nano-NiO stress. Science of the Total Environment, 2018, 622-623, 517-525.	8.0	60
14	Cationic imprinting of Pb(II) within composite networks based on bovine or fish chondroitin sulfate. Journal of Molecular Recognition, 2018, 31, e2614.	2.1	8
15	Differential effects of acetophenone on shoots' and roots' metabolism of Solanum nigrum L. plants and implications in its phytoremediation. Plant Physiology and Biochemistry, 2018, 130, 391-398.	5.8	6
16	Preparation and evaluation of Pb(II)-imprinted fucoidan-based sorbents. Reactive and Functional Polymers, 2017, 115, 53-62.	4.1	7
17	An efficient antioxidant system and heavy metal exclusion from leaves make Solanum cheesmaniae more tolerant to Cu than its cultivated counterpart. Food and Energy Security, 2017, 6, 123-133.	4.3	43
18	Metalaxyl Effects on Antioxidant Defenses in Leaves and Roots of Solanum nigrum L.. Frontiers in Plant Science, 2017, 8, 1967.	3.6	31

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19	Acylated-naproxen as the surface-active template in the preparation of micro- and nanospherical imprinted xerogels by emulsion techniques. Journal of Chromatography A, 2016, 1437, 107-115.	3.7	3
20	Metal cation sorption ability of immobilized and reticulated chondroitin sulfate or fucoidan through a sol-gel crosslinking scheme. Materials Today Communications, 2016, 8, 172-182.	1.9	12
21	Measurement artifacts identified in the UVâ€“vis spectroscopic study of adduct formation within the context of molecular imprinting of naproxen. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 661-668.	3.9	13
22	Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in Solanum nigrum L. under Ni stress. Environmental and Experimental Botany, 2016, 122, 115-125.	4.2	175
23	Molecular Dynamics Simulations and Comparison of Two New and High Selective Imprinted Xerogels. , 2016, , 339-361.		0
24	Influence of pH, concentration and ionic strength during batch and flow-through continuous stirred reactor experiments of Sr2+-adsorption onto montmorillonite. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 2243.	1.5	4
25	Naproxen-imprinted xerogels in the micro- and nanospherical forms by emulsion technique. Journal of Chromatography A, 2015, 1422, 43-52.	3.7	3
26	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
27	Molecularly Imprinted Sol-Gel Materials for Medical Applications. Current Topics in Medicinal Chemistry, 2015, 15, 199-222.	2.1	5
28	Molecular Dynamics Simulations of Complex Mixtures Aimed at the Preparation of Naproxen-Imprinted Xerogels. Journal of Chemical Information and Modeling, 2014, 54, 3330-3343.	5.4	6
29	Recognitive nano-thin-film composite beads for the enantiomeric resolution of the metastatic breast cancer drug aminoglutethimide. Journal of Chromatography A, 2014, 1358, 93-101.	3.7	11
30	Chromatographycally efficient microspherical composites of molecularly imprinted xerogels deposited inside mesoporous silica. Journal of Chromatography A, 2014, 1355, 158-163.	3.7	10
31	Imidazolium-based functional monomers for the imprinting of the anti-inflammatory drug naproxen: Comparison of acrylic and solâ€“gel approaches. Journal of Chromatography A, 2013, 1314, 115-123.	3.7	26
32	Synthesis of glycylglycine-imprinted silica microspheres through different water-in-oil emulsion techniques. Journal of Chromatography A, 2013, 1297, 138-145.	3.7	9
33	Vapor-phase testing of the memory-effects in benzene- and toluene-imprinted polymers conditioned at elevated temperature. Analytica Chimica Acta, 2013, 802, 40-45.	5.4	6
34	Computational and Experimental Study of the Effect of PEG in the Preparation of Damascenone-Imprinted Xerogels. Langmuir, 2013, 29, 2024-2032.	3.5	9
35	Metalaxyl-induced changes in the antioxidant metabolism of Solanum nigrum L. suspension cells. Pesticide Biochemistry and Physiology, 2013, 107, 235-243.	3.6	25
36	Copperâ€induced stress in <scp>S</scp>olanum nigrum L. and antioxidant defense system responses. Food and Energy Security, 2013, 2, 70-80.	4.3	105

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37	Photo-Fenton plus Solanum nigrum L. weed plants integrated process for the abatement of highly concentrated metalaxyl on waste waters. Chemical Engineering Journal, 2012, 184, 213-220.	12.7	15
38	Molecular Dynamics Simulations of Pregelification Mixtures for the Production of Imprinted Xerogels. Langmuir, 2011, 27, 5062-5070.	3.5	14
39	Solanum nigrum L. weed plants as a remediation tool for metalaxyl-polluted effluents and soils. Chemosphere, 2011, 85, 744-750.	8.2	25
40	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. Journal of Chromatography A, 2010, 1217, 2758-2767.	3.7	54
41	Solid-phase microextraction Niâ€“Ti fibers coated with functionalised silica particles immobilized in a solâ€“gel matrix. Journal of Chromatography A, 2009, 1216, 2302-2306.	3.7	34
42	An improved bonded-polydimethylsiloxane solid-phase microextraction fiber obtained by a solâ€“gel/silica particle blend. Analytica Chimica Acta, 2008, 610, 205-210.	5.4	25
43	The requisite level of theory for the computational design of molecularly imprinted silica xerogels. Biosensors and Bioelectronics, 2008, 23, 1843-1849.	10.1	52
44	Estimate of the digestibility, assimilability and intestinal permeability of butyltins occurring in wine. Food and Chemical Toxicology, 2008, 46, 767-773.	3.6	7
45	Unbreakable Solid-Phase Microextraction Fibers Obtained by Solâ^'Gel Deposition on Titanium Wire. Analytical Chemistry, 2006, 78, 2071-2074.	6.5	115
46	Optimization of supercritical fluid extraction of pesticide residues in soil by means of central composite design and analysis by gas chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2006, 1110, 6-14.	3.7	92
47	Ultrathin phenyl-functionalized solid phase microextraction fiber coating developed by solâ€“gel deposition. Journal of Chromatography A, 2005, 1069, 163-172.	3.7	40
48	Estimation of the human intestinal permeability of butyltin species using the Caco-2 cell line model. Food and Chemical Toxicology, 2004, 42, 1431-1442.	3.6	16
49	Butyltin Compounds in Portuguese Wines. Journal of Agricultural and Food Chemistry, 2002, 50, 2713-2716.	5.2	39
50	Headspace solid-phase micro-extraction gas chromatographyâ€“mass detection method for the determination of butyltin compounds in wines. Analytica Chimica Acta, 2002, 458, 231-239.	5.4	38
51	The influence of Cu concentration on ethanolic fermentation by Saccharomyces cerevisiae. Journal of Bioscience and Bioengineering, 2000, 90, 163-167.	2.2	29
52	Assessment of the Pb and Cu in vitro availability in wines by means of speciation procedures. Food and Chemical Toxicology, 2000, 38, 899-912.	3.6	44
53	Electrochemical studies of complexation of Pb in red wines. Analyst, The, 2000, 125, 743-748.	3.5	16
54	Pb and Cu Speciation and Bioavailability in Port Wine. Journal of Agricultural and Food Chemistry, 2000, 48, 5740-5749.	5.2	22

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55	The Influence of Cu Concentration on Ethanolic Fermentation by Saccharomyces cerevisiae.. Journal of Bioscience and Bioengineering, 2000, 90, 163-167.	2.2	3
56	Role of Polyphenols in Copper Complexation in Red Wines. Journal of Agricultural and Food Chemistry, 1999, 47, 2791-2796.	5.2	65
57	Copper(II) Complexation Properties and Surfactant Activity of 3-[N,N-Bis(2-hydroxyethyl)amino]-2-hydroxypropanesulfonic Acid andN-(2-Hydroxyethyl)piperazine-Nâ€²-2-hydroxypropanesulfonic Acid pH Buffers Which May Affect Trace Metal Speciation inin VitroStudies. Analytical Biochemistry, 1998, 265, 193-201.	2.4	29
58	Electrochemical Evidence of Surfactant Activity of the Hepes pH Buffer Which May Have Implications on Trace Metal Availability to Culturesin Vitro. Analytical Biochemistry, 1996, 241, 248-253.	2.4	37
59	Organic ligands reduce copper toxicity in Pseudomonas syringae. Environmental Toxicology and Chemistry, 1995, 14, 369-373.	4.3	40