

Maria Isabel Gonzalez Sanchez

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

334
citations

840119

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1125271

13
g-index

13
all docs

13
docs citations

13
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticle based antibacterial methacrylate hydrogels potential for bone graft applications. <i>Materials Science and Engineering C</i> , 2015, 50, 332-340.	3.8	97
2	Electrochemical detection of extracellular hydrogen peroxide in <i>Arabidopsis thaliana</i> : a real-time marker of oxidative stress. <i>Plant, Cell and Environment</i> , 2013, 36, 869-878.	2.8	38
3	Development of an acetaminophen amperometric biosensor based on peroxidase entrapped in polyacrylamide microgels. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1883-1889.	5.3	35
4	Modeling the ascorbate-glutathione cycle in chloroplasts under light/dark conditions. <i>BMC Systems Biology</i> , 2015, 10, 11.	3.0	26
5	Mechanism of Acetaminophen Oxidation by the Peroxidase-like Activity of Methemoglobin. <i>Chemical Research in Toxicology</i> , 2009, 22, 1841-1850.	1.7	24
6	Computer Simulation of the Dynamic Behavior of the Glutathione-Ascorbate Redox Cycle in Chloroplasts. <i>Plant Physiology</i> , 2009, 149, 1958-1969.	2.3	22
7	In situ detection of salicylate in <i>Ocimum basilicum</i> plant leaves via reverse iontophoresis. <i>Chemical Communications</i> , 2015, 51, 16534-16536.	2.2	21
8	Biocatalytic oxidation of phenolic compounds by bovine methemoglobin in the presence of H ₂ O ₂ : Quantitative structure-activity relationships. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 207-215.	6.5	16
9	Catalase-like activity of human methemoglobin: A kinetic and mechanistic study. <i>Archives of Biochemistry and Biophysics</i> , 2011, 516, 10-20.	1.4	14
10	Halogen mediated voltammetric oxidation of biological thiols and disulfides. <i>Analyst</i> , 2016, 141, 144-149.	1.7	14
11	Obtaining new composite biomaterials by means of mineralization of methacrylate hydrogels using the reaction-diffusion method. <i>Materials Science and Engineering C</i> , 2014, 42, 696-704.	3.8	13
12	Fluorescence Decrease of Conjugated Polymers by the Catalytic Activity of Horseradish Peroxidase and Its Application in Phenolic Compounds Detection. <i>Biomacromolecules</i> , 2011, 12, 1332-1338.	2.6	9
13	Searching for the fluorescence quenching mechanism of conjugated polymers by cytochrome c. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 510, 300-308.	2.3	5