

Manuel Joaquin Reigosa Roger

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,799
citations

30
h-index

49
g-index

93
ext. papers

3,204
ext. citations

3.7
avg, IF

5.28
L-index

#	Paper	IF	Citations
90	Ultrastructural and hormonal changes related to harmaline-induced treatment in <i>Arabidopsis thaliana</i> (L.) Heynh. root meristem.. <i>Plant Physiology and Biochemistry</i> , 2022 , 179, 78-89	5.4	0
89	Morpho-physiological, biochemical and isotopic response of tall wheatgrass populations to salt stress. <i>Journal of Agronomy and Crop Science</i> , 2021 , 207, 236-248	3.9	1
88	Secondary Metabolites, Ferulic Acid and -Hydroxybenzoic Acid Induced Toxic Effects on Photosynthetic Process in L. <i>Biomolecules</i> , 2021 , 11,	5.9	4
87	Unraveling Sorghum Allelopathy in Agriculture: Concepts and Implications. <i>Plants</i> , 2021 , 10,	4.5	9
86	Phytotoxic Activity of the Natural Compound Norharmine on Crops, Weeds and Model Plants. <i>Plants</i> , 2020 , 9,	4.5	4
85	Transcriptome and binding data indicate that citral inhibits single strand DNA-binding proteins. <i>Physiologia Plantarum</i> , 2020 , 169, 99-109	4.6	3
84	Allelopathic Potential of Aqueous Extract from R. Br. on. <i>Plants</i> , 2020 , 9,	4.5	12
83	Imaging of Chlorophyll Fluorescence in Natural Compound-Induced Stress Detection. <i>Frontiers in Plant Science</i> , 2020 , 11, 583590	6.2	11
82	A natural indole alkaloid, norharmine, affects PIN expression patterns and compromises root growth in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020 , 151, 378-390	5.4	9
81	Genetic evidence for plural introduction pathways of the invasive weed Paterson's curse (<i>Echium plantagineum</i> L.) to southern Australia. <i>PLoS ONE</i> , 2019 , 14, e0222696	3.7	4
80	Natural product coumarins: biological and pharmacological perspectives. <i>Biologia (Poland)</i> , 2019 , 74, 863-888	1.5	29
79	Transcriptome responses to the natural phytotoxin t-chalcone in <i>Arabidopsis thaliana</i> L. <i>Pest Management Science</i> , 2019 , 75, 2490-2504	4.6	6
78	On the suitability of <i>Eucalyptus globulus</i> green manure for field weed control. <i>Crop Protection</i> , 2019 , 121, 57-65	2.7	14
77	Analysis of the adsorption and retention models for Cd, Cr, Cu, Ni, Pb, and Zn through neural networks: selection of variables and competitive model. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25551-25564	5.1	2
76	The Consistency Between Phytotoxic Effects and the Dynamics of Allelochemicals Release from <i>Eucalyptus globulus</i> Leaves Used as Bioherbicide Green Manure. <i>Journal of Chemical Ecology</i> , 2018 , 44, 658-670	2.7	29
75	Activities and Novel Applications of Secondary Metabolite Coumarins. <i>Planta Daninha</i> , 2018 , 36,	0.7	12
74	Elucidating the Phytotoxic Potential of Natural Compounds 2018 , 363-378		1

73	Unravelling the bioherbicide potential of <i>Eucalyptus globulus</i> Labill: Biochemistry and effects of its aqueous extract. <i>PLoS ONE</i> , 2018 , 13, e0192872	3.7	29
72	Rosmarinic acid induces programmed cell death in <i>Arabidopsis</i> seedlings through reactive oxygen species and mitochondrial dysfunction. <i>PLoS ONE</i> , 2018 , 13, e0208802	3.7	23
71	Morpho-physiological responses of tall wheatgrass populations to different levels of water stress. <i>PLoS ONE</i> , 2018 , 13, e0209281	3.7	9
70	Carbon (C) and Nitrogen (N) Stable Isotope Composition Provide New Insights into Phenotypic Plasticity in Broad Leaf Weed under Allelochemical Stress. <i>Molecules</i> , 2018 , 23,	4.8	2
69	Faba bean as green manure for field weed control in maize. <i>Weed Research</i> , 2018 , 58, 437-449	1.9	13
68	Genotypic differences in agro-physiological, biochemical and isotopic responses to salinity stress in quinoa (<i>Chenopodium quinoa</i> Willd.) plants: Prospects for salinity tolerance and yield stability. <i>Plant Physiology and Biochemistry</i> , 2018 , 129, 411-420	5.4	27
67	Terpenoid trans-caryophyllene inhibits weed germination and induces plant water status alteration and oxidative damage in adult <i>Arabidopsis</i> . <i>Plant Biology</i> , 2017 , 19, 79-89	3.7	39
66	Soil Cd, Cr, Cu, Ni, Pb and Zn sorption and retention models using SVM: Variable selection and competitive model. <i>Science of the Total Environment</i> , 2017 , 593-594, 508-522	10.2	28
65	Evaluation of photosynthetic performance and carbon isotope discrimination in perennial ryegrass (<i>Lolium perenne</i> L.) under allelochemicals stress. <i>Ecotoxicology</i> , 2017 , 26, 613-624	2.9	16
64	Analysis of the Importance of Oxides and Clays in Cd, Cr, Cu, Ni, Pb and Zn Adsorption and Retention with Regression Trees. <i>PLoS ONE</i> , 2017 , 12, e0168523	3.7	19
63	Auxin-like effects of the natural coumarin scopoletin on <i>Arabidopsis</i> cell structure and morphology. <i>Journal of Plant Physiology</i> , 2017 , 218, 45-55	3.6	22
62	Plasma membrane depolarization precedes photosynthesis damage and long-term leaf bleaching in (E)-chalcone-treated <i>Arabidopsis</i> shoots. <i>Journal of Plant Physiology</i> , 2017 , 218, 56-65	3.6	10
61	Loss of Gravitropism in Farnesene-Treated <i>Arabidopsis</i> Is Due to Microtubule Malformations Related to Hormonal and ROS Unbalance. <i>PLoS ONE</i> , 2016 , 11, e0160202	3.7	37
60	BIOLOGICAL ACTIVITIES AND NOVEL APPLICATIONS OF CHALCONES. <i>Planta Daninha</i> , 2016 , 34, 607-616	6.7	39
59	The plant secondary metabolite citral alters water status and prevents seed formation in <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2016 , 18, 423-32	3.7	13
58	Biochemical, physiological and isotopic responses to natural product p-hydroxybenzoic acid in Cocksfoot (<i>Dactylis glomerata</i> L.). <i>Plant Growth Regulation</i> , 2015 , 75, 783-792	3.2	13
57	Characterization of xanthophyll pigments, photosynthetic performance, photon energy dissipation, reactive oxygen species generation and carbon isotope discrimination during artemisinin-induced stress in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2015 , 10, e0114826	3.7	20
56	Phytotoxic Potential of Trans-chalcone on Crop Plants and Model Species. <i>Journal of Plant Growth Regulation</i> , 2014 , 33, 181-194	4.7	19

55	Higher peroxidase activity, leaf nutrient contents and carbon isotope composition changes in <i>Arabidopsis thaliana</i> are related to rutin stress. <i>Journal of Plant Physiology</i> , 2014 , 171, 1325-33	3.6	18
54	Citral induces auxin and ethylene-mediated malformations and arrests cell division in <i>Arabidopsis thaliana</i> roots. <i>Journal of Chemical Ecology</i> , 2013 , 39, 271-82	2.7	53
53	Individual and joint activity of terpenoids, isolated from <i>Calamintha nepeta</i> extract, on <i>Arabidopsis thaliana</i> . <i>Natural Product Research</i> , 2013 , 27, 2297-303	2.3	25
52	The Phytotoxic Potential of the Terpenoid Citral on Seedlings and Adult Plants. <i>Weed Science</i> , 2013 , 61, 469-481	2	21
51	<i>Eucalyptus globulus</i> Leaves Incorporated as Green Manure for Weed Control in Maize. <i>Weed Science</i> , 2013 , 61, 154-161	2	30
50	Allelopathic research in Brazil. <i>Acta Botanica Brasilica</i> , 2013 , 27, 629-646	1	33
49	The early response of <i>Arabidopsis thaliana</i> to cadmium- and copper-induced stress. <i>Environmental and Experimental Botany</i> , 2012 , 78, 1-9	5.9	30
48	The natural compound trans-chalcone induces programmed cell death in <i>Arabidopsis thaliana</i> roots. <i>Plant, Cell and Environment</i> , 2012 , 35, 1500-17	8.4	42
47	Tolerance of <i>Arabidopsis thaliana</i> to the Allelochemical Protocatechualdehyde. <i>Journal of Plant Growth Regulation</i> , 2012 , 31, 406-415	4.7	9
46	Early photosynthetic response of <i>Arabidopsis thaliana</i> to temperature and salt stress conditions. <i>Russian Journal of Plant Physiology</i> , 2012 , 59, 640-647	1.6	5
45	Seedling growth, leaf water status and signature of stable carbon isotopes in C3 perennials exposed to natural phytochemicals. <i>Australian Journal of Botany</i> , 2012 , 60, 676	1.2	18
44	The role of peroxidases on the mode of action of chalcone in <i>Arabidopsis</i> roots. <i>Plant Signaling and Behavior</i> , 2012 , 7, 1274-6	2.5	6
43	Invasion by the leguminous tree <i>Acacia dealbata</i> (Mimosaceae) reduces the native understorey plant species in different communities. <i>Australian Journal of Botany</i> , 2012 , 60, 669	1.2	38
42	Mode of Action of Monoterpenes in Plant-Plant Interactions. <i>Current Bioactive Compounds</i> , 2012 , 8, 80-88.9		11
41	Imaging chlorophyll a fluorescence reveals specific spatial distributions under different stress conditions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011 , 206, 836-844	1.9	21
40	Early senescence induced by 2-3H-benzoxazolinone (BOA) in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2011 , 168, 863-70	3.6	21
39	Allelopathic potential of <i>Acacia melanoxylon</i> on the germination and root growth of native species. <i>Weed Biology and Management</i> , 2011 , 11, 18-28	1.4	27
38	A chlorophyll fluorescence analysis of photosynthetic efficiency, quantum yield and photon energy dissipation in PSII antennae of <i>Lactuca sativa</i> L. leaves exposed to cinnamic acid. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 1290-8	5.4	35

37	Allelopathic interference of invasive <i>Acacia dealbata</i> Link on the physiological parameters of native understory species. <i>Plant Ecology</i> , 2011 , 212, 403-412	1.7	71
36	Ecophysiological responses of three native herbs to phytotoxic potential of invasive <i>Acacia melanoxylon</i> R. Br.. <i>Agroforestry Systems</i> , 2011 , 83, 149-166	2	33
35	Benzoxazolin-2(3H)-one (BOA) induced changes in leaf water relations, photosynthesis and carbon isotope discrimination in <i>Lactuca sativa</i> . <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 825-34	5.4	16
34	Allelochemical stress inhibits growth, leaf water relations, PSII photochemistry, non-photochemical fluorescence quenching, and heat energy dissipation in three C3 perennial species. <i>Journal of Experimental Botany</i> , 2011 , 62, 4533-45	7	91
33	Differential responses to allelopathic compounds released by the invasive <i>Acacia dealbata</i> Link (Mimosaceae) indicate stimulation of its own seed. <i>Australian Journal of Botany</i> , 2010 , 58, 546	1.2	35
32	The genus <i>Acacia</i> as invader: the characteristic case of <i>Acacia dealbata</i> Link in Europe. <i>Annals of Forest Science</i> , 2010 , 67, 101-101	3.1	133
31	Reduced photosynthetic activity is directly correlated with 2-(3H)-benzoxazolinone accumulation in lettuce leaves. <i>Journal of Chemical Ecology</i> , 2010 , 36, 205-9	2.7	21
30	2-3H-Benzoxazolinone (BOA) induces loss of salt tolerance in salt-adapted plants. <i>Plant Biology</i> , 2009 , 11, 582-90	3.7	9
29	Degradation of fuel oil in salt marsh soils affected by the Prestige oil spill. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1020-9	12.8	11
28	Classification and regression trees (CARTs) for modelling the sorption and retention of heavy metals by soil. <i>Journal of Hazardous Materials</i> , 2009 , 167, 615-24	12.8	39
27	A tree regression analysis of factors determining the sorption and retention of heavy metals by soil. <i>Geoderma</i> , 2008 , 147, 75-85	6.7	30
26	Genomic Approaches to Understanding Allelochemical Effects on Plants 2008 , 157-167		7
25	The natural compound benzoxazolin-2(3H)-one selectively retards cell cycle in lettuce root meristems. <i>Phytochemistry</i> , 2008 , 69, 2172-9	4	51
24	Phytotoxic effects of 21 plant secondary metabolites on <i>Arabidopsis thaliana</i> germination and root growth. <i>Journal of Chemical Ecology</i> , 2007 , 33, 1456-66	2.7	90
23	Allelopathy 2006 ,		44
22	Allelopathy and abiotic stress 2006 , 171-209		35
21	Introduction to allelopathy 2006 , 1-9		14
20	Cell cycle analyses for understanding growth inhibition 2006 , 141-156		1

19	Forest ecosystems and allelopathy 2006 , 451-463		2
18	Whole plant response of lettuce after root exposure to BOA (2(3H)-benzoxazolinone). <i>Journal of Chemical Ecology</i> , 2005 , 31, 2689-703	2.7	54
17	Detoxification and transcriptome response in Arabidopsis seedlings exposed to the allelochemical benzoxazolin-2(3H)-one. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21867-81	5.4	139
16	Allelopathic Evidence in the Poaceae. <i>Botanical Review, The</i> , 2003 , 69, 300-319	3.8	41
15	Comparative physiological effects of three allelochemicals and two herbicides on <i>Dactylis glomerata</i> . <i>Acta Physiologiae Plantarum</i> , 2002 , 24, 385-392	2.6	19
14	Allelopathic Effects of Tree Species on Some Soil Microbial Populations and Herbaceous Plants. <i>Biologia Plantarum</i> , 2001 , 44, 269-275	2.1	43
13	Allelopathy in Agroecosystems in Spain. <i>The Journal of Crop Improvement: Innovations in Practice and Research</i> , 2001 , 4, 415-432		1
12	Phenotypic plasticity and acclimation to water deficits in velvet-grass: a long-term greenhouse experiment. Changes in leaf morphology, photosynthesis and stress-induced metabolites. <i>Journal of Plant Physiology</i> , 2000 , 157, 383-393	3.6	57
11	Effect of phenolic compounds on the germination of six weeds species. <i>Plant Growth Regulation</i> , 1999 , 28, 83-88	3.2	124
10	Ecophysiological Approach in Allelopathy. <i>Critical Reviews in Plant Sciences</i> , 1999 , 18, 577-608	5.6	161
9	Allelopathic Effects of Exotic Tree Species on Microorganisms and Plants in Galicia (Spain). <i>Forestry Sciences</i> , 1998 , 293-300		
8	Do Germination Indices Adequately Reflect Allelochemical Effects on the Germination Process?. <i>Journal of Chemical Ecology</i> , 1997 , 23, 2445-2453	2.7	134
7	Photosynthesis of natural cocksfoot populations under water and salt stresses. <i>Biologia Plantarum</i> , 1996 , 38, 413	2.1	3
6	Allelopathic effects of <i>Acacia melanoxylon</i> R.Br. phyllodes during their decomposition. <i>Forest Ecology and Management</i> , 1995 , 77, 53-63	3.9	54
5	Comparative analysis of allelopathic effects produced by four forestry species during decomposition process in their soils in Galicia (NW Spain). <i>Journal of Chemical Ecology</i> , 1994 , 20, 3005-15	2.7	47
4	Release of allelochemical agents from litter, throughfall, and topsoil in plantations of <i>Eucalyptus globulus</i> Labill in Spain. <i>Journal of Chemical Ecology</i> , 1991 , 17, 147-60	2.7	51
3	<i>Rumex obtusifolius</i> L: Release of allelochemical agents and their influence on small-scale spatial distribution of meadow species. <i>Journal of Chemical Ecology</i> , 1988 , 14, 1763-73	2.7	15
2	Asymmetric small-scale distribution and allelopathy: Interaction between <i>Rumex obtusifolius</i> L. and meadow species. <i>Journal of Chemical Ecology</i> , 1988 , 14, 1775-86	2.7	18

1 Ecophysiological Approach in Allelopathy

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