

Carmen Gutiérrez

List of Publications by Year in descending order

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46
papers

1,575
citations

218677

26
h-index

302126

39
g-index

47
all docs

47
docs citations

47
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	Defensive Chemistry of <i>Senecio miser</i> . <i>Journal of Natural Products</i> , 2001, 64, 6-11.	3.0	81
2	Effect of soil properties, heavy metals and emerging contaminants in the soil nematodes diversity. <i>Environmental Pollution</i> , 2016, 213, 184-194.	7.5	76
3	Behavioral and Sublethal Effects of Structurally Related Lower Terpenes on <i>Myzus persicae</i> . <i>Journal of Chemical Ecology</i> , 1997, 23, 1641-1650.	1.8	67
4	Antifeedant and toxic effects of sesquiterpenes from <i>Senecio palmensis</i> to Colorado potato beetle. <i>Journal of Chemical Ecology</i> , 1995, 21, 1255-1270.	1.8	66
5	Diversity, occurrence, and life characteristics of natural entomopathogenic nematode populations from La Rioja (Northern Spain) under different agricultural management and their relationships with soil factors. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1474-1484.	8.8	63
6	Geospatial patterns of soil properties and the biological control potential of entomopathogenic nematodes in Florida citrus groves. <i>Soil Biology and Biochemistry</i> , 2013, 66, 163-174.	8.8	58
7	Effect of mine tailing on the spatial variability of soil nematodes from lead pollution in La Unión (Spain). <i>Science of the Total Environment</i> , 2014, 473-474, 518-529.	8.0	57
8	Antifeedant Delphinium Diterpenoid Alkaloids. Structure-Activity Relationships. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 286-290.	5.2	56
9	Bioactive saturated pyrrolizidine alkaloids from <i>Heliotropium floridum</i> . <i>Phytochemistry</i> , 1997, 46, 845-853.	2.9	52
10	Distribution of the entomopathogenic nematodes from La Rioja (Northern Spain). <i>Journal of Invertebrate Pathology</i> , 2007, 95, 125-139.	3.2	52
11	Insecticidal and Mutagenic Evaluation of Two Annonaceous Acetogenins. <i>Journal of Natural Products</i> , 2000, 63, 773-776.	3.0	50
12	Antifeedant Effects of Some Novel Terpenoids on Chrysomelidae Beetles: Comparisons with Alkaloids on an Alkaloid-Adapted and Nonadapted Species. <i>Journal of Chemical Ecology</i> , 1997, 23, 1851-1866.	1.8	49
13	Î±-amylase activities of agricultural insect pests are specifically affected by different inhibitor preparations from wheat and barley endosperms. <i>Plant Science</i> , 1990, 72, 37-44.	3.6	47
14	Transgenic nematodes as biosensors for metal stress in soil pore water samples. <i>Ecotoxicology</i> , 2012, 21, 439-455.	2.4	47
15	Selective Insect Antifeedant and Toxic Action of Ryanoid Diterpenes. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4419-4424.	5.2	45
16	Wound-induced changes in DIMBOA (2, 4 dihydroxy-7-methoxy-2H-1, 4 benzoxazin-3(4H)-one) concentration in maize plants caused by <i>Sesamia nonagrioides</i> (Lepidoptera: Noctuidae). <i>Annals of Applied Biology</i> , 1988, 113, 447-454.	2.5	43
17	Use of transgenic GFP reporter strains of the nematode <i>Caenorhabditis elegans</i> to investigate the patterns of stress responses induced by pesticides and by organic extracts from agricultural soils. <i>Ecotoxicology</i> , 2013, 22, 72-85.	2.4	43
18	Screening Spanish isolates of steinernematid nematodes for use as biological control agents through laboratory and greenhouse microcosm studies. <i>Journal of Invertebrate Pathology</i> , 2009, 100, 100-105.	3.2	42

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19	Phoresy of the entomopathogenic nematode <i>Steinernema feltiae</i> by the earthworm <i>Eisenia fetida</i> . <i>Journal of Invertebrate Pathology</i> , 2006, 92, 50-54.	3.2	41
20	Source Identification of Soil Mercury in the Spanish Islands. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 171-179.	4.1	41
21	Wood and bark of <i>Pinus halepensis</i> as archives of heavy metal pollution in the Mediterranean Region. <i>Environmental Pollution</i> , 2018, 239, 438-447.	7.5	37
22	Insect Antifeedant Isoryanodane Diterpenes from <i>Persea indica</i> . <i>Journal of Natural Products</i> , 1997, 60, 880-883.	3.0	36
23	Silphinene Derivatives: Their Effects and Modes of Action on Colorado Potato Beetle. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 946-950.	5.2	33
24	Minor diterpenes from <i>Persea indica</i> : their antifeedant activity. <i>Phytochemistry</i> , 2001, 56, 315-320.	2.9	32
25	Antifeedant properties of natural products from <i>Parthenium argentatum</i> , <i>P. argentatum</i> — <i>P. tomentosum</i> (Asteraceae) and <i>Castela emoryi</i> (Simaroubeaceae) against <i>Reticulitermes flavipes</i> . <i>Industrial Crops and Products</i> , 1999, 10, 35-40.	5.2	29
26	Pyrrolizidine Alkaloids from <i>Heliotropium megalanthum</i> . <i>Journal of Natural Products</i> , 1998, 61, 1418-1420.	3.0	28
27	Three inhibitor types from wheat endosperm are differentially active against α -amylases of Lepidoptera pests. <i>Entomologia Experimentalis Et Applicata</i> , 1993, 66, 47-52.	1.4	27
28	Comparative study of the effect of selected agrochemical products on <i>Steinernema feltiae</i> (Rhabditida: Steinernematidae). <i>Biocontrol Science and Technology</i> , 2008, 18, 101-108.	1.3	27
29	Soil organic carbon stock on the Majorca Island: Temporal change in agricultural soil over the last 10 years. <i>Catena</i> , 2019, 181, 104087.	5.0	27
30	Entomopathogenic nematode food webs in an ancient, mining pollution gradient in Spain. <i>Science of the Total Environment</i> , 2016, 572, 312-323.	8.0	26
31	Insecticidal activity and diterpene content of <i>Persea indica</i> . <i>Phytochemistry</i> , 1992, 31, 1549-1552.	2.9	23
32	Structure- and Species-Dependent Insecticidal Effects of neo-Clerodane Diterpenes. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 3677-3681.	5.2	23
33	A high-performance liquid chromatographic method for quantitation of DIMBOA and MBOA in maize plant extract. <i>Journal of Agricultural and Food Chemistry</i> , 1982, 30, 1258-1260.	5.2	20
34	Morphological and Ecological Characterization of <i>Steinernema feltiae</i> (Rhabditida: Steinernematidae) Rioja Strain Isolated from <i>Bibio hortulanus</i> (Diptera: Bibionidae) in Spain. <i>Journal of Nematology</i> , 2006, 38, 68-75.	0.9	17
35	A High Performance Liquid Chromatography Method for Quantification of DiboA, DIMBOA, and MBOA from Aqueous Extracts of Corn and Winter Cereal Plants. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1994, 17, 2651-2665.	1.0	15
36	Characterization of <i>Xenorhabdus</i> isolates from La Rioja (Northern Spain) and virulence with and without their symbiotic entomopathogenic nematodes (Nematoda: Steinernematidae). <i>Journal of Invertebrate Pathology</i> , 2009, 102, 173-181.	3.2	15

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37	Effect of seasonality and agricultural practices on occurrence of entomopathogenic nematodes and soil characteristics in La Rioja (Northern Spain). <i>Pedobiologia</i> , 2010, 53, 253-258.	1.2	15
38	Crystal Structure and Superoxide Dismutase Activity of [Cu(ethylenediamine) ₂ Cl][PF ₆]. <i>Monatshefte für Chemie</i> , 2004, 135, 785.	1.8	12
39	A laboratory study on the activity of <i>Steinernema feltiae</i> (Rhabditida: Steinernematidae) Rioja strain against horticultural insect pests. <i>Journal of Pest Science</i> , 2009, 82, 305-309.	3.7	10
40	Natural insecticides: Structure diversity, effects and structure-activity relationships. A case study. <i>Studies in Natural Products Chemistry</i> , 2002, , 849-879.	1.8	9
41	Trends in soil mercury stock associated with pollution sources on a Mediterranean island (Majorca,). <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	7.5	9
42	<i>Steinernema feltiae</i> Intraspecific Variability: Infection Dynamics and Sex-Ratio. <i>Journal of Nematology</i> , 2014, 46, 35-43.	0.9	9
43	Comparative study of entomopathogenic nematode isolation using <i>Galleria mellonella</i> (Pyralidae) and <i>Spodoptera littoralis</i> (Noctuidae) as baits. <i>Biocontrol Science and Technology</i> , 2008, 18, 621-626.	1.3	7
44	Entomopathogenic Nematode Ecology and Biological Control in Florida Citrus Orchards. , 2010, , 101-130.		7
45	Epidemiology of RPV- and PAV-like barley yellow dwarf viruses on winter barley in central Spain. <i>Crop Protection</i> , 1993, 12, 224-228.	2.1	5
46	ESTUDIO FITOQUIMICO Y ACTIVIDAD ANTIALIMENTARIA DE SENNA STIPULACEAE. <i>Journal of the Chilean Chemical Society</i> , 2000, 45, .	0.1	1