

Barbara Manachini

List of Publications by Year in descending order

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73
papers

1,021
citations

567281

15
h-index

477307

29
g-index

74
all docs

74
docs citations

74
times ranked

1133
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidance on allergenicity assessment of genetically modified plants. EFSA Journal, 2017, 15, e04862.	1.8	109
2	Scientific Opinion addressing the state of the science on risk assessment of plant protection products for in soil organisms. EFSA Journal, 2017, 15, e04690.	1.8	79
3	The gut microbiota of larvae of <i>Rhynchophorus ferrugineus</i> Oliver (Coleoptera: Curculionidae). BMC Microbiology, 2014, 14, 136.	3.3	77
4	Hemocytes of <i>Rhynchophorus ferrugineus</i> (Olivier) (Coleoptera: Curculionidae) and their response to <i>Saccharomyces cerevisiae</i> and <i>Bacillus thuringiensis</i> . Journal of Invertebrate Pathology, 2011, 106, 360-365.	3.2	72
5	A mathematical model of exposure of non-target Lepidoptera to <i>Bt</i> -maize pollen expressing Cry1Ab within Europe. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1417-1425.	2.6	70
6	Towards a landscape scale management of pesticides: ERA using changes in modelled occupancy and abundance to assess long-term population impacts of pesticides. Science of the Total Environment, 2015, 537, 159-169.	8.0	55
7	Study of the aminopeptidase N gene family in the lepidopterans <i>Ostrinia nubilalis</i> (Hübner) and <i>Bombyx mori</i> (L.): Sequences, mapping and expression. Insect Biochemistry and Molecular Biology, 2010, 40, 506-515.	2.7	46
8	Modulation of immune responses of <i>Rhynchophorus ferrugineus</i> (Insecta: Coleoptera) induced by the entomopathogenic nematode <i>Steinernema carpocapsae</i> (Nematoda: Rhabditida). Insect Science, 2015, 22, 748-760.	3.0	40
9	Systematic Review of the Effects of Chemical Insecticides on Four Common Butterfly Families. Frontiers in Environmental Science, 2017, 5, .	3.3	40
10	The usefulness of a mathematical model of exposure for environmental risk assessment. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 982-984.	2.6	30
11	Biological Responses of <i>Rhynchophorus ferrugineus</i> (Coleoptera: Curculionidae) to <i>Steinernema carpocapsae</i> (Nematoda: Steinernematidae). Journal of Economic Entomology, 2013, 106, 1582-1589.	1.8	30
12	Evaluating Resistance to Bt Toxin Cry1Ab by F ₂ Screen in European Populations of <i>Ostrinia nubilalis</i> (Lepidoptera: Crambidae). Journal of Economic Entomology, 2010, 103, 1803-1809.	1.8	24
13	Synthesis and biofilm formation reduction of pyrazole-4-carboxamide derivatives in some <i>Staphylococcus aureus</i> strains. European Journal of Medicinal Chemistry, 2016, 123, 58-68.	5.5	24
14	Technical Note on the quality of DNA sequencing for the molecular characterisation of genetically modified plants. EFSA Journal, 2018, 16, e05345.	1.8	23
15	A new class of phenylhydrazinylidene derivatives as inhibitors of <i>Staphylococcus aureus</i> biofilm formation. Medicinal Chemistry Research, 2016, 25, 870-878.	2.4	18
16	Exotic insect pests: The impact of the Red Palm Weevil on natural and cultural heritage in Palermo (Italy). Journal of Cultural Heritage, 2013, 14, e177-e182.	3.3	17
17	Assessment of genetically modified maize MON87411 for food and feed uses, import and processing, under Regulation (EC) No 1829/2003 (application EFSA-GMO-ENL-2015-124). EFSA Journal, 2018, 16, e05310.	1.8	15
18	Role of <i>Myzus persicae</i> (Hemiptera: Aphididae) and Its Secondary Hosts in Plum Pox Virus Propagation. Journal of Economic Entomology, 2007, 100, 1047-1052.	1.8	12

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19	Eco-physiological response of two marine bivalves to acute exposition to commercial Bt-based pesticide. <i>Marine Environmental Research</i> , 2013, 83, 29-37.	2.5	12
20	Ecological risk assessment of agricultural soils for the definition of soil screening values: A comparison between substance-based and matrix-based approaches. <i>Heliyon</i> , 2017, 3, e00284.	3.2	12
21	Bacteria, fungi and arthropod pests collected on modern human mummies. <i>Journal of Entomological and Acarological Research</i> , 2011, 43, 69.	0.7	11
22	Odorants of <i>Capsicum</i> spp. Dried Fruits as Candidate Attractants for <i>Lasioderma serricornis</i> F. (Coleoptera: Anobiidae). <i>Insects</i> , 2021, 12, 61.	2.2	11
23	Assessment of the ecotoxicity of phytotreatment substrate soil as landfill cover material for in-situ leachate management. <i>Journal of Environmental Management</i> , 2019, 231, 289-296.	7.8	9
24	Insect pests of the Herbarium of the Palermo botanical garden and evaluation of semiochemicals for the control of the key pest <i>Lasioderma serricornis</i> F. (Coleoptera: Anobiidae). <i>Journal of Cultural Heritage</i> , 2020, 43, 37-44.	3.3	9
25	Transmission of PPV-M to <i>Prunus persica</i> by <i>Brachycaudus schwanzi</i> and <i>Phorodon humuli</i> (Hem.). <i>Tj ETQq1 1 0.784314 rgBT /Overlook</i>	1.8	8
26	Scientific Opinion on an application by Syngenta (EFSA-GMO-DE-2009-66) for placing on the market of herbicide tolerant and insect resistant maize Bt11 - MIR162 - MIR604 - GA21 and subcombinations independently of their origin for food and feed uses, import and processing under Regulation (EC) No 1829/2003. <i>EFSA Journal</i> , 2015, 13, 4297.	1.8	8
27	Scientific Opinion on application EFSA-GMO-DE-2013-18 for authorisation of genetically modified maize MON87427 - MON89034 - A1507 - MON88017 - A59122 and subcombinations independently of their origin, for food and feed uses, import and processing submitted under Regulation (EC) No 1829/2003 by Monsanto Company. <i>EFSA Journal</i> , 2017, 15, e04921.	1.8	8
28	Revised annual post-market environmental monitoring (PMEM) report on the cultivation of genetically modified maize MON 810 in 2013 from Monsanto Europe S.A. <i>EFSA Journal</i> , 2015, 13, 4295.	1.8	7
29	Assessment of genetically modified maize Bt11 x MIR162 x A1507 x GA21 and three subcombinations independently of their origin, for food and feed uses under Regulation (EC) No 1829/2003 (application) <i>Tj ETQq1 1.0.784314 rgBT /Overlook</i>	1.8	7
30	Soil Quality Indicators as Affected by a Long Term Barley-Maize and Maize Cropping Systems. <i>Italian Journal of Agronomy</i> , 2009, 4, 15.	1.0	6
31	Annual post-market environmental monitoring (PMEM) report on the cultivation of genetically modified maize MON810 in 2015 from Monsanto Europe S.A.. <i>EFSA Journal</i> , 2017, 15, e04805.	1.8	6
32	Scientific opinion on an application for renewal of authorisation for continued marketing of maize A1507 and derived food and feed submitted under Articles 11 and 23 of Regulation (EC) No 1829/2003 by Pioneer Overseas Corporation and Dow AgroSciences LLC. <i>EFSA Journal</i> , 2017, 15, e04659.	1.8	6
33	Scientific opinion on an application by Dow AgroSciences LLC (EFSA-GMO-NL-2012-106) for the placing on the market of genetically modified herbicide-tolerant soybean DAS-44406-6 for food and feed uses, import and processing under Regulation (EC) No 1829/2003. <i>EFSA Journal</i> , 2017, 15, e04738.	1.8	6
34	Scientific Opinion on application EFSA-GMO-DE-2013-17 for authorisation of genetically modified maize MON87427 - MON89034 - ANK603 and subcombinations independently of their origin, for food and feed uses, import and processing submitted under Regulation (EC) No 1829/2003 by Monsanto Company. <i>EFSA Journal</i> , 2017, 15, e04922.	1.8	6
35	Scientific Opinion on an application by Dow AgroSciences LLC (EFSA-GMO-NL-2011-91) for the placing on the market of genetically modified herbicide-tolerant soybean DAS-68416-4 for food and feed uses, import and processing under Regulation (EC) No 1829/2003. <i>EFSA Journal</i> , 2017, 15, e04719.	1.8	6
36	Assessment of genetically modified maize GA21 for renewal of authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-RX-005). <i>EFSA Journal</i> , 2017, 15, e05006.	1.8	6

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37	Potential impact of genetically modified Lepidoptera-resistant <i>Brassica napus</i> in biodiversity hotspots: Sicily as a theoretical model. <i>Insect Science</i> , 2018, 25, 562-580.	3.0	6
38	Scientific Opinion on an application by Dow AgroSciences (EFSA-GMO-NL-2013-116) for placing on the market of genetically modified insect-resistant soybean DAS-81419-2 for food and feed uses, import and processing under Regulation (EC) No 1829/2003. <i>EFSA Journal</i> , 2016, 14, e04642.	1.8	5
39	Scientific opinion on application EFSA-GMO-NL-2013-120 for authorisation of genetically modified soybean FG72 - A5547-127 for food and feed uses, import and processing submitted in accordance with Regulation (EC) No 1829/2003 by Bayer CropScience LP and M.S. Technologies LLC. <i>EFSA Journal</i> , 2017, 15, e04744.	1.8	5
40	Acute toxicity tests using earthworms to estimate ecological quality of compost and digestate. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 552-560.	3.0	5
41	Assessment of genetically modified maize 4114 for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2014-123). <i>EFSA Journal</i> , 2018, 16, e05280.	1.8	5
42	Role of <i>Myzus persicae</i> (Hemiptera: Aphididae) and Its Secondary Hosts in Plum Pox Virus Propagation. <i>Journal of Economic Entomology</i> , 2007, 100, 1047-1052.	1.8	4
43	Response to Kruse-Plass et al. (2017) regarding the risk to non-target lepidopteran larvae exposed to pollen from one or more of three Bt maize events (MON810, Bt11 and 1507). <i>Environmental Sciences Europe</i> , 2017, 29, 21.	5.5	4
44	Assessment of genetically modified maize 1507 - 59122 - MON810 - ANK603 and subcombinations, for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2011-92). <i>EFSA Journal</i> , 2017, 15, e05000.	1.8	4
45	Assessment of genetically modified maize 1507 - ANK603 for renewal of authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-ERX-008). <i>EFSA Journal</i> , 2018, 16, e05347.	1.8	4
46	Assessment of genetically modified cotton GHB614 - 304 - 40 - GHB119 for food and feed uses, import and processing under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2014-122). <i>EFSA Journal</i> , 2018, 16, e05349.	1.8	4
47	Assessment of genetically modified maize MON87403 for food and feed uses, import and processing, under Regulation (EC) No 1829/2003 (application EFSA-GMO-BE-2015-125). <i>EFSA Journal</i> , 2018, 16, e05225.	1.8	4
48	Risk assessment of new sequencing data on GM maize event MIR604. <i>EFSA Journal</i> , 2015, 13, 4255.	1.8	3
49	Risk assessment of information on the subcombination Bt11 - MIR162, related to the application of Syngenta (EFSA-GMO-DE-2009-66) for authorisation of food and feed containing, consisting and produced from genetically modified maize Bt11 - MIR162 - MIR604 - GA21. <i>EFSA Journal</i> , 2017, 15, e04745.	1.8	3
50	Scientific Opinion on application EFSA-GMO-NL-2013-119 for authorisation of genetically modified glufosinate-ammonium and glyphosate-tolerant oilseed rape MON88302 - AMS8 - ARF3 and subcombinations independently of their origin, for food and feed uses, import and processing submitted in accordance with Regulation (EC) No 1829/2003 by Monsanto Company and Bayer CropScience. <i>EFSA Journal</i> , 2017, 15, e04767.	1.8	3
51	Scientific opinion on an application for renewal of authorisation for continued marketing of maize 59122 and derived food and feed submitted under articles 11 and 23 of Regulation (EC) No 1829/2003 by Pioneer Overseas Corporation and Dow AgroSciences LLC. <i>EFSA Journal</i> , 2017, 15, e04861.	1.8	3
52	Statement complementing the EFSA Scientific Opinion on application (EFSA-GMO-DE-2011-95) for the placing on the market of genetically modified maize 5307 for food and feed uses, import and processing under Regulation (EC) No 1829/2003 from Syngenta Crop Protection AG taking into consideration an additional toxicological study. <i>EFSA Journal</i> , 2018, 16, e05233.	1.8	3
53	Assessment of genetically modified soybean MON87751 for food and feed uses under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2014-121). <i>EFSA Journal</i> , 2018, 16, e05346.	1.8	3
54	Scientific Opinion on an application (EFSA-GMO-NL-2010-85) for the placing on the market of MON 87769 - MON 89788 soybean, genetically modified to contain stearidonic acid and be tolerant to glyphosate for food and feed uses, import and processing under R. <i>EFSA Journal</i> , 2015, 13, 4256.	1.8	2

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55	Scientific opinion on application (EFSA-GMO-NL-2011-96) for the placing on the market of genetically modified insect-resistant and herbicide-tolerant cotton GHB119, for food and feed uses, import and processing under Regulation (EC) No 1829/2003 from Baye. EFSA Journal, 2016, 14, e04586.	1.8	2
56	Risk assessment of new sequencing information on GM maize event DAS-59122-7. EFSA Journal, 2016, 14, e04639.	1.8	2
57	Scientific Opinion on an application by Pioneer (EFSA-GMO-NL-2007-47) for the placing on the market of the herbicide-tolerant, high-oleic acid, genetically modified soybean 305423-40-3-2 for food and feed uses, import and processing under Regulation (EC) No 1829/2003. EFSA Journal, 2016, 14, e04566.	1.8	2
58	Assessment of genetically modified sugar beet H7-1 for renewal of authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-ERX-006). EFSA Journal, 2017, 15, e05065.	1.8	2
59	Scientific opinion on an application by Monsanto (EFSA-GMO-NL-2013-14) for the placing on the market of a herbicide-tolerant genetically modified cotton MON88701 for food and feed uses, import and processing under Regulation (EC) No 1829/2003. EFSA Journal, 2017, 15, e04746.	1.8	2
60	Guidance for the risk assessment of the presence at low level of genetically modified plant material in imported food and feed under Regulation (EC) No 1829/2003. EFSA Journal, 2017, 15, e05048.	1.8	2
61	Assessment of genetically modified oilseed rape MS8, RF3 and MS8-RF3 for renewal of authorisation under regulation (EC) No 1829/2003 (application EFSA-GMO-ERX-004). EFSA Journal, 2017, 15, e05067.	1.8	2
62	Assessment of genetically modified maize NK603 x MON810 for renewal of authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-ERX-007). EFSA Journal, 2018, 16, e05163.	1.8	2
63	Assessment of genetically modified cotton GHB614-ALLCotton25-AMON15985 for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2011-94). EFSA Journal, 2018, 16, e05213.	1.8	2
64	Scientific Opinion on an application by DOW AgroSciences LLC (EFSA-GMO-NL-2010-89) for placing on the market the genetically modified herbicide-tolerant maize DAS-40278-9 for food and feed uses, import and processing under Regulation (EC) No 1829/2003. EFSA Journal, 2016, 14, e04633.	1.8	2
65	Part C notification (reference C/NL/13/01) from Suntory Holdings Limited for the import, distribution and retailing of carnation SHD-27531-4 cut flowers with modified petal colour for ornamental use. EFSA Journal, 2015, 13, 4358.	1.8	1
66	Scientific Opinion on an application by Syngenta (EFSA-GMO-DE-2011-99) for the placing on the market of maize Bt11-59122-MIR604-1507-GA21 and twenty subcombinations, which have not been authorised previously independently of their origin, for food and feed uses, import and processing under Regulation (EC) No 1829/2003. EFSA Journal, 2016, 14, e04567.	1.8	1
67	NEMATODE COLONIZATION OF PYRITE CINDER-POLLUTED SOIL. Redia, 0, 103, 137-145.	0.4	1
68	Could Europe Apply a Suitable Control Method for the Small Hive Beetle (Coleoptera: Nitidulidae)?. Journal of Economic Entomology, 2022, , .	1.8	1
69	Resistant management of Bt corn and sustainability in Italy. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2006, 1, 109-110.	1.4	0
70	Part C notification (reference C/NL/13/02) from Suntory Holdings Limited for the import, distribution and retailing of carnation FLO-40685-2 cut flowers with modified petal colour for ornamental use. EFSA Journal, 2016, 14, e04431.	1.8	0
71	Risk assessment of information on the subcombination Bt11-1507-GA21, related to the application of Syngenta (EFSA-GMO-DE-2011-99) for authorisation of food and feed containing, consisting and produced from genetically modified maize Bt11-59122-MIR604-1507-GA21. EFSA Journal, 2017, 15, e05092.	1.8	0
72	Compatibility of Chemical and Biological Pesticides. , 2002, , .		0

#	ARTICLE	IF	CITATIONS
73	Does <i>Bacillus thuringiensis</i> Affect the Stress and Immune Responses of <i>Rhynchophorus ferrugineus</i> Larvae, Females, and Males in the Same Way?. <i>Insects</i> , 2022, 13, 437.	2.2	0