

# Ilias Travlos

## List of Publications by Year in descending order

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88  
papers

1,573  
citations

361413

20  
h-index

414414

32  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable Crop and Weed Management in the Era of the EU Green Deal: A Survival Guide. <i>Agronomy</i> , 2022, 12, 589.	3.0	70
2	Variability in essential oil content and composition of <i>Origanum hirtum</i> L., <i>Origanum onites</i> L., <i>Coridothymus capitatus</i> (L.) and <i>Satureja thymbra</i> L. populations from the Greek island Ikaria. <i>Industrial Crops and Products</i> , 2011, 33, 236-241.	5.2	66
3	Big Data for weed control and crop protection. <i>Weed Research</i> , 2017, 57, 218-233.	1.7	64
4	New directions for integrated weed management: Modern technologies, tools and knowledge discovery. <i>Advances in Agronomy</i> , 2019, 155, 243-319.	5.2	59
5	Glyphosate-Resistant Hairy Fleabane ( <i>Conyza bonariensis</i> ) Is Reported in Greece. <i>Weed Technology</i> , 2010, 24, 569-573.	0.9	58
6	Weed-Species Abundance and Diversity Indices in Relation to Tillage Systems and Fertilization. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	52
7	A Glyphosate Resistance Mechanism in <i>Conyza canadensis</i> Involves Synchronization of EPSPS and ABC-transporter Genes. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1721-1730.	1.8	50
8	Key Factors Affecting Weed Seeds' Germination, Weed Emergence, and Their Possible Role for the Efficacy of False Seedbed Technique as Weed Management Practice. <i>Frontiers in Agronomy</i> , 2020, 2, .	3.3	44
9	Effects of organic and inorganic fertilization on yield and quality of processing tomato ( <i>Lycopersicon esculentum</i> Mill.). <i>Folia Horticulturae</i> , 2018, 30, 321-332.	1.8	43
10	Effect of Nitrogen Fertilization on Growth and Yield of Industrial Hemp ( <i>Cannabis sativa</i> L.). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 46, 197-201.	1.1	42
11	The Herbicidal Potential of Different Pelargonic Acid Products and Essential Oils against Several Important Weed Species. <i>Agronomy</i> , 2020, 10, 1687.	3.0	40
12	Corn and Barnyardgrass Competition as Influenced by Relative Time of Weed Emergence and Corn Hybrid. <i>Agronomy Journal</i> , 2011, 103, 1-6.	1.8	39
13	Glyphosate Efficacy of Different Salt Formulations and Adjuvant Additives on Various Weeds. <i>Agronomy</i> , 2017, 7, 60.	3.0	37
14	Effects of Presowing Pulsed Electromagnetic Treatment of Tomato Seed on Growth, Yield, and Lycopene Content. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	31
15	Germination and emergence of the hard seed coated <i>Tylosema esculentum</i> (Burch) A. Schreib in response to different pre-sowing seed treatments. <i>Journal of Arid Environments</i> , 2007, 68, 501-507.	2.4	29
16	Evaluation of Various Nitrogen Indices in N-Fertilizers with Inhibitors in Field Crops: A Review. <i>Agronomy</i> , 2021, 11, 418.	3.0	28
17	Relative competitiveness of glyphosate-resistant and glyphosate-susceptible populations of hairy fleabane, <i>Conyza bonariensis</i> . <i>Journal of Pest Science</i> , 2013, 86, 345-351.	3.7	27
18	Early detection, herbicide resistance screening, and integrated management of invasive plant species: a review. <i>Pest Management Science</i> , 2022, 78, 3957-3972.	3.4	26

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19	Responses of invasive silverleaf nightshade ( <i>Solanum elaeagnifolium</i> ) populations to varying soil water availability. <i>Phytoparasitica</i> , 2013, 41, 41-48.	1.2	25
20	Seed and Saponin Production of Organic Quinoa ( <i>Chenopodium quinoa</i> Willd.) for different Tillage and Fertilization. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2012, 40, 42.	1.1	24
21	Screening glyphosate-alternative weed control options in important perennial crops. <i>Weed Science</i> , 2021, 69, 704-718.	1.5	24
22	The combined effects of false seedbed technique, post-emergence chemical control and cultivar on weed management and yield of barley in Greece. <i>Phytoparasitica</i> , 2020, 48, 131-143.	1.2	23
23	Yield, quality and weed control in soybean crop as affected by several cultural and weed management practices. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 329-341.	1.1	22
24	Diclofop resistance in sterile wild oat ( <i>Avena sterilis</i> L.) in wheat fields in Greece and its management by other post-emergence herbicides. <i>Crop Protection</i> , 2011, 30, 1449-1454.	2.1	21
25	Environmental Conditions Influence Induction of Key ABC-Transporter Genes Affecting Glyphosate Resistance Mechanism in <i>Conyza canadensis</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 342.	4.1	21
26	Organic Agriculture and Innovative Crops under Mediterranean Conditions. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 45, 323-331.	1.1	21
27	Potential effects of diurnally alternating temperatures and solarization on purple nutsedge ( <i>Cyperus</i> ) Tj ETQq1 1 0.784314 rgBT /Ove	2.4	20
28	Competition between ACCase-Inhibitor Resistant and Susceptible Sterile Wild Oat (<i>Avena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.5	20
29	Effect of Adjuvant on Glyphosate Effectiveness, Retention, Absorption and Translocation in <i>Lolium rigidum</i> and <i>Conyza canadensis</i> . <i>Plants</i> , 2020, 9, 297.	3.5	20
30	Phytochemistry and Biological Properties of Burnet Weed (&lt;i>Sanguisorba&lt;i> spp.): A Review. <i>Notulae Scientia Biologicae</i> , 2014, 6, 395-398.	0.4	19
31	Impact of variety and farming practices on growth, yield, weed flora and symbiotic nitrogen fixation in faba bean cultivated for fresh seed production. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 619-630.	0.6	19
32	Benefits and Limitations of Decision Support Systems (DSS) with a Special Emphasis on Weeds. <i>Agronomy</i> , 2020, 10, 548.	3.0	18
33	Effects of the herbicides benfluralin, metribuzin and propyzamide on the survival and weight of earthworms ( <i>Octodrilus complanatus</i> ). <i>Plant, Soil and Environment</i> , 2017, 63, 117-124.	2.2	17
34	Evaluation of the field performance, nitrogen fixation efficiency and competitive ability of pea landraces grown under organic and conventional farming systems. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 294-307.	2.6	17
35	Novel sensor-based method (quick test) for the in-season rapid evaluation of herbicide efficacy under real field conditions in durum wheat. <i>Weed Science</i> , 2021, 69, 147-160.	1.5	17
36	Non-target Site Tolerance Mechanisms Describe Tolerance to Glyphosate in <i>Avena sterilis</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1220.	3.6	16

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37	First Case of Glufosinate-Resistant Rigid Ryegrass ( <i>Lolium rigidum</i> Gaud.) in Greece. <i>Agronomy</i> , 2018, 8, 35.	3.0	16
38	Key Aspects on the Biology, Ecology and Impacts of Johnsongrass [ <i>Sorghum halepense</i> (L.) Pers] and the Role of Glyphosate and Non-Chemical Alternative Practices for the Management of This Weed in Europe. <i>Agronomy</i> , 2019, 9, 717.	3.0	16
39	Efficacy of Different Herbicides on <i>Echinochloa colona</i> (L.) Link Control and the First Case of Its Glyphosate Resistance in Greece. <i>Agronomy</i> , 2020, 10, 1056.	3.0	16
40	Invasiveness of Cut-Leaf Ground-Cherry ( <i>Physalis angulata</i> L.) Populations and Impact of Soil Water and Nutrient Availability. <i>Chilean Journal of Agricultural Research</i> , 2012, 72, 358-363.	1.1	16
41	Involvement of Epigenetic Mechanisms in Herbicide Resistance: The Case of <i>Conyza canadensis</i> . <i>Agriculture (Switzerland)</i> , 2018, 8, 17.	3.1	15
42	Diversified Resistance Mechanisms in Multi-Resistant <i>Lolium</i> spp. in Three European Countries. <i>Frontiers in Plant Science</i> , 2020, 11, 608845.	3.6	14
43	The Water Relations and Some Drought Tolerance Mechanisms of the Marama Bean. <i>Agronomy Journal</i> , 2012, 104, 65-72.	1.8	13
44	Different levels of glyphosate-resistant <i>Lolium rigidum</i> L. among major crops in southern Spain and France. <i>Scientific Reports</i> , 2017, 7, 13116.	3.3	13
45	Molecular, Genetic and Agronomic Approaches to Utilizing Pulses as Cover Crops and Green Manure into Cropping Systems. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1202.	4.1	13
46	Irrigation Timing as a Practice of Effective Weed Management in Established Alfalfa ( <i>Medicago sativa</i> ) Tj ETQq0 0 0,rgBT /Overlock 10 T	3.0	13
47	Evaluation of Herbicide-Resistance Status on Populations of Littleseed Canarygrass ( <i>Phalaris Minor</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock Research, 2012, 52, 308-313.	1.0	12
48	Optimization of Herbicide Use: Study on Spreading and Evaporation Characteristics of Glyphosate-Organic Silicone Mixture Droplets on Weed Leaves. <i>Agronomy</i> , 2019, 9, 547.	3.0	12
49	Editorial: Herbicide Resistance in Weeds: Early Detection, Mechanisms, Dispersal, New Insights and Management Issues. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	12
50	Circadian leaflet movements of <i>Tylosema esculentum</i> (Burch) A. Schreib, and the abolishment of these diurnal movements by potassium deficiency. <i>Journal of Arid Environments</i> , 2008, 72, 1745-1750.	2.4	11
51	Assessment of distribution and diversity of <i>Avena sterilis</i> L. and <i>Avena fatua</i> L. in cereal crops of Greece based on a 3-year survey and selected morphological traits. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 337-341.	1.6	11
52	EVALUATION OF VELVETLEAF INTERFERENCE WITH MAIZE HYBRIDS AS INFLUENCED BY RELATIVE TIME OF EMERGENCE. <i>Experimental Agriculture</i> , 2012, 48, 127-137.	0.9	11
53	Weed flora and seed yield in quinoa crop ( <i>Chenopodium quinoa</i> Willd.) as affected by tillage systems and fertilization practices. <i>International Journal of Pest Management</i> , 2015, 61, 228-234.	1.8	11
54	Climate Change and Chances for the Cultivation of New Crops. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016, 44, 347-353.	1.1	11

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55	Control of Photosystem II and 4-Hydroxyphenylpyruvate Dioxygenase Inhibitor-Resistant Palmer Amaranth ( <i>Amaranthus palmeri</i> ) in Conventional Corn. <i>Weed Technology</i> , 2018, 32, 326-335.	0.9	11
56	Weed Management Practices to Improve Establishment of Selected Lignocellulosic Crops. <i>Energies</i> , 2021, 14, 2478.	3.1	11
57	Green Manure and Pendimethalin Impact on Oriental Sun-Cured Tobacco. <i>Agronomy Journal</i> , 2014, 106, 1225-1230.	1.8	10
58	Narrow row spacing increased yield and decreased nicotine content in sun-cured tobacco ( <i>Nicotiana glauca</i> ) in BT/Overlock 10 Tff	5.2	10
59	Role of pulsed electromagnetic field on enzyme activity, germination, plant growth and yield of durum wheat. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 6, 152-158.	3.1	9
60	Can Control of Glyphosate Susceptible and Resistant <i>Conyza sumatrensis</i> Populations Be Dependent on the Herbicide Formulation or Adjuvants?. <i>Agronomy</i> , 2020, 10, 1599.	3.0	9
61	First Report of <i>Amaranthus palmeri</i> S. Wats. in Cotton, Maize and Sorghum in Greece and Problems with Its Management. <i>Agronomy</i> , 2021, 11, 1721.	3.0	9
62	Effect of Fertilization on Yield and Quality of Biomass of Quinoa ( <i>Chenopodium quinoa</i> Willd.) and Green Amaranth ( <i>Amaranthus retroflexus</i> L.). <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2014, 71, .	0.1	8
63	Sensitivity of Seed Germination to Salt Stress in Black Cumin ( <i>Nigella sativa</i> L.). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 46, 202-205.	1.1	8
64	Evaluation of Processing Tomato Pomace after Composting on Soil Properties, Yield, and Quality of Processing Tomato in Greece. <i>Agronomy</i> , 2021, 11, 88.	3.0	8
65	Aspects of the Allelopathic Potential of Horseweed ( <i>Conyza albida</i> ). <i>International Journal of Agricultural Research</i> , 2007, 2, 397-401.	0.1	8
66	Invasive Alien Plant Species—Raising Awareness of a Threat to Biodiversity and Ecological Connectivity (EC) in the Adriatic-Ionian Region. <i>Diversity</i> , 2022, 14, 387.	1.7	8
67	Study of Fitness Cost in Three Rigid Ryegrass Populations Susceptible and Resistant to Acetyl-CoA Carboxylase Inhibiting Herbicides. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	7
68	Effect of Different Types of Fertilization on Weed Flora in Processed Tomato Crop. <i>Agriculture and Agricultural Science Procedia</i> , 2016, 10, 26-31.	0.6	6
69	Chia ( <i>Salvia Hispanica</i> ) Fodder Yield and Quality as Affected by Sowing Rates and Organic Fertilization. <i>Communications in Soil Science and Plant Analysis</i> , 2016, , .	1.4	5
70	<i>Solanum elaeagnifolium</i> Cav. (Solanales: Solanaceae) presence confirmed in Portugal. <i>EPPO Bulletin</i> , 2022, 52, 499-504.	0.8	5
71	Allelopathic Potential of Velvet Bean against Rigid Ryegrass. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 46, 173-176.	1.1	4
72	Clodinafop-Propargyl Resistance Genes in <i>Lolium rigidum</i> Quad. Populations Are Associated with Fitness Costs. <i>Agronomy</i> , 2018, 8, 106.	3.0	4

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73	Shattercane ( <i>SorghumÂbicolor</i> (L.) Moench Subsp. Drummondii) and Weedy Sunflower ( <i>Helianthus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlœk 10 Tf 50	1.7	4
74	Organic Cropping System Effects on Fiber Quality of Three Cotton Cultivars in Greece. <i>Agronomy Journal</i> , 2014, 106, 1365-1370.	1.8	3
75	<i>Lolium rigidum</i> Gaud. biotypes from Greece with Resistance to Glyphosate and other Herbicides. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2016, 73, .	0.1	3
76	Growth and yield of three sunflower hybrids cultivated for two years under Mediterranean conditions. <i>Emirates Journal of Food and Agriculture</i> , 2016, 28, 136.	1.0	3
77	Effects of Cropping System (Organic and Conventional) on the Fiber Quality Index, Spinning Consistency Index and Multiplicative Analytic Hierarchy Process of Cotton (<i>Gossypium) Tj ETQq1 1 0.784314 rgBT /Overlœk 10 Tf 50	1.0	3
78	Efficacy of the Herbicide Lancelot 450 WG (Aminopyralid + Florasulam) on Broadleaf and Invasive Weeds and Effects on Yield and Quality Parameters of Maize. <i>Agriculture (Switzerland)</i> , 2017, 7, 82.	3.1	2
79	Evaluation of weed flora changes in Portugal in a 10 year basis. <i>Australian Journal of Crop Science</i> , 2017, 11, 322-328.	0.3	2
80	Changes of Weed Flora due to Nitrogen Addition in Sunflower. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019, 47, 1337-1339.	1.1	2
81	The effects of tillage on weed suppressive ability, leaf area, seed yield and protein content of <i>Mucuna pruriens</i> var. <i>utilis</i> . <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 871-881.	1.1	2
82	Yield of organically grown maize hybrids as affected by two green manure crops in Greece. <i>Chilean Journal of Agricultural Research</i> , 2020, 80, 334-341.	1.1	2
83	Sensitivity of Seed Germination to Salt Stress in Teff [ <i>Eragrostis tef</i> (Zucc.) Trotter]. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2019, 76, 91-95.	0.1	1
84	Sustainable Weed Control in Vineyards. , 2018, , 526-542.		1
85	The effects of captafol on mitosis of <i>Aspergillus nidulans</i> through light and electron microscopic investigations. <i>Emirates Journal of Food and Agriculture</i> , 2015, 27, 878.	1.0	1
86	Impact of organic practices on growth, yield, and greenhouse gas emissions by pea landraces. <i>Acta Horticulturae</i> , 2017, , 77-84.	0.2	0
87	Response of Annual Weeds to Glyphosate: Evaluation and Optimization of Application Rate Based on Fecundity-Avoidance Biomass Threshold Criterion. <i>Agronomy</i> , 2019, 9, 851.	3.0	0
88	Biochemical and Rapid Molecular Analyses to Identify Glyphosate Resistance in <i>Lolium</i> spp.. <i>Agronomy</i> , 2022, 12, 40.	3.0	0