CÃ©sar FernÃ¡ndez Quintanilla

List of Publications by Year
in descending order

51	1,660	236925	302126
papers	citations	25 h-index	39 g-index

51	51	51	1391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in siteâ€specific weed management in agricultureâ€”A review. Weed Research, 2022, 62, 123-133.	1.7	53
2	Site-Specific Based Models. , 2020, , 143-157.		3
3	Is the current state of the art of weed monitoring suitable for siteâ€specific weed management in arable crops?. Weed Research, 2018, 58, 259-272.	1.7	105
4	Three-Dimensional Modeling of Weed Plants Using Low-Cost Photogrammetry. Sensors, 2018, 18, 1077.	3.8	34
5	Fleets of robots for environmentally-safe pest control in agriculture. Precision Agriculture, 2017, 18, 574-614.	6.0	140
6	Influence of Wind Speed on RGB-D Images in Tree Plantations. Sensors, 2017, 17, 914.	3.8	19
7	An Approach to the Use of Depth Cameras for Weed Volume Estimation. Sensors, 2016, 16, 972.	3.8	68
8	The attractiveness of flowering herbaceous plants to bees (Hymenoptera: Apoidea) and hoverflies (Diptera: Syrphidae) in agroâ€ecosystems of Central Spain. Agricultural and Forest Entomology, 2015, 17, 20-28.	1.3	27
9	Germination response of local <scp>S</scp>outhern <scp>E</scp>uropean populations of <scp>D</scp>atura stramonium at a range of constant temperatures. Weed Research, 2014, 54, 356-365.	1.7	8
10	Wild rocket â€“ effect of water deficit on growth, flowering, and attractiveness to pollinators. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2014, 64, 482-492.	0.6	7
11	Multivariate Analysis of the Agricultural Management Presence of Sorghum Halepense (L.) Pers. Relationships in Maize Crops. Gesunde Pflanzen, 2014, 66, 17-22.	3.0	5
12	Potential of a terrestrial LiDAR-based system to characterise weed vegetation in maize crops. Computers and Electronics in Agriculture, 2013, 92, 11-15.	7.7	41
13	The Nature of Sorghum Halepense (L.) Pers. Spatial Distribution Patterns in Tomato Cropping Fields. Gesunde Pflanzen, 2013, 65, 85-91.	3.0	4
14	Provisioning Floral Resources to Attract Aphidophagous Hoverflies (Diptera: Syrphidae) Useful for Pest Management in Central Spain. Journal of Economic Entomology, 2013, 106, 2327-2335.	1.8	19
15	Herbicide savings and economic benefits of several strategies to control Sorghum halepense in maize crops. Crop Protection, 2013, 50, 17-23.	2.1	12
16	Discriminating Crop, Weeds and Soil Surface with a Terrestrial LIDAR Sensor. Sensors, 2013, 13, 14662-14675.	3.8	63
17	Estimation and Comparison of Base Temperatures for Germination of European Populations of Velvetleaf (Abutilon theophrasti) and Jimsonweed (Datura stramonium). Weed Science, 2013, 61, 443-451.	1.5	16
18	Multi-path planning based on a NSGA-II for a fleet of robots to work on agricultural tasks. , 2012, , .		6

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19	Spatial and temporal dynamics of Sorghum halepense patches in maize crops. Weed Research, 2012, 52, 411-420.	1.7	20
20	Reliability of a Visual Recognition System for Detection of Johnsongrass(Sorghum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.9	9
21	Spatial Distribution Patterns of Johnsongrass (Sorghum halepense) in Corn Fields in Spain. Weed Science, 2011, 59, 82-89.	1.5	22
22	Assessment of a decision support system for chemical control of annual ryegrass (Lolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.7	13
23	Weed discrimination using ultrasonic sensors. Weed Research, 2011, 51, 543-547.	1.7	38
24	Discrimination of sterile oat (Avena sterilis) in winter barley (Hordeum vulgare) using QuickBird satellite images. Crop Protection, 2011, 30, 1363-1369.	2.1	15
25	Accuracy and Feasibility of Optoelectronic Sensors for Weed Mapping in Wide Row Crops. Sensors, 2011, 11, 2304-2318.	3.8	41
26	Assessing the potential of hyperspectral remote sensing for the discrimination of grassweeds in winter cereal crops. International Journal of Remote Sensing, 2011, 32, 49-67.	2.9	16
27	Analysis of natural images processing for the extraction of agricultural elements. Image and Vision Computing, 2010, 28, 138-149.	4.5	59
28	Field evaluation of a decision support system for herbicidal control of Avena sterilis ssp. ludoviciana in winter wheat. Weed Research, 2010, 50, 83-88.	1.7	21
29	An assessment of the accuracy and consistency of human perception of weed cover. Weed Research, 2010, 50, 638-647.	1.7	30
30	Improving weed pressure assessment using digital images from an experience-based reasoning approach. Computers and Electronics in Agriculture, 2009, 65, 176-185.	7.7	59
31	Comparison of three chemical control strategies for Avena sterilis ssp. ludoviciana. Crop Protection, 2009, 28, 393-400.	2.1	3
32	Predicting weed emergence in maize crops under two contrasting climatic conditions. Weed Research, 2009, 49, 251-260.	1.7	48
33	Modelling the emergence pattern of six summer annual weed grasses under no tillage systems in Argentina. Weed Research, 2009, 49, 98-106.	1.7	14
34	Germination Patterns in Naturally Chilled and Nonchilled Seeds of Fierce Thornapple (Datura) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.5	19
35	The competitive interactions between winter barley and Avena sterilis are siteâ€specific. Weed Research, 2008, 48, 38-47.	1.7	6
36	Which future for weed science?. Weed Research, 2008, 48, 297-301.	1.7	29

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37	A new vision-based approach to differential spraying in precision agriculture. Computers and Electronics in Agriculture, 2008, 60, 144-155.	7.7	106
38	Dispersal of Avena fatua and Avena sterilis patches by natural dissemination, soil tillage and combine harvesters. Weed Research, 2006, 46, 118-128.	1.7	85
39	Assessing the opportunity for site-specific management of Avena sterilis in winter barley fields in Spain. Weed Research, 2006, 46, 379-387.	1.7	30
40	Integrating herbicide rate, barley variety and seeding rate for the control of sterile oat (Avena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	4.1	10
41	SIMCE: An expert system for seedling weed identification in cereals. Computers and Electronics in Agriculture, 2006, 54, 115-123.	7.7	26
42	Population Cycles Produced by Delayed Density Dependence in an Annual Plant. American Naturalist, 2006, 168, 318-322.	2.1	25
43	Identifying associations among sterile oat (Avena sterilis) infestation level, landscape characteristics, and crop yields. Weed Science, 2006, 54, 1113-1121.	1.5	6
44	Using thermal and hydrothermal time to model seedling emergence of Avena sterilis ssp. ludoviciana in Spain. Weed Research, 2005, 45, 149-156.	1.7	47
45	Comparison of sampling methodologies for site-specific management of Avena sterilis. Weed Research, 2005, 45, 165-174.	1.7	22
46	Spatial stability of Avena sterilis ssp. ludoviciana populations under annual applications of low rates of imazamethabenz. Weed Research, 2004, 44, 178-186.	1.7	48
47	Simulating the effects of weed spatial pattern and resolution of mapping and spraying on economics of site-specific management. Weed Research, 2004, 44, 460-468.	1.7	39
48	Modelling the population dynamics of annual ryegrass (Lolium rigidum) under various weed management systems. Crop Protection, 2004, 23, 723-729.	2.1	41
49	Effects of crop and weed densities on the interactions between barley and Lolium rigidum in several Mediterranean locations. Agronomy for Sustainable Development, 2003, 23, 529-536.	0.8	30
50	Development and reproduction of Myzus persicae and Aphis fabae (Hom., Aphididae) on selected weed species surrounding sugar beet fields. Journal of Applied Entomology, 2002, 126, 198-202.	1.8	23
51	Strategies for the control of Avena sterilis in winter wheat production systems in central Spain. Crop Protection, 1993, 12, 617-623.	2.1	30