

# Luis A Avila

## List of Publications by Year in descending order

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124  
papers

1,718  
citations

377584

21  
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425179

34  
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126  
all docs

126  
docs citations

126  
times ranked

1851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transgenerational Effect of Drought Stress and Sub-Lethal Doses of Quizalofop-p-ethyl: Decreasing Sensitivity to Herbicide and Biochemical Adjustment in <i>Eragrostis plana</i> . <i>Agriculture (Switzerland)</i> , 2022, 12, 396.	1.4	8
2	RNAi as a tool for weed management: challenges and opportunities. <i>Advances in Weed Science</i> , 2022, 40, .	0.5	9
3	Imidazolinone herbicide dissipation in rice fields as affected by intermittent and continuous irrigation. <i>Advances in Weed Science</i> , 2022, 40, .	0.5	0
4	Recurrent Selection with Low Herbicide Rates and Salt Stress Decrease Sensitivity of <i>Echinochloa colona</i> to Imidazolinone. <i>Agriculture (Switzerland)</i> , 2021, 11, 187.	1.4	1
5	Understanding the Opportunities to Mitigate Carryover of Imidazolinone Herbicides in Lowland Rice. <i>Agriculture (Switzerland)</i> , 2021, 11, 299.	1.4	7
6	Status of weedy rice ( <i>Oryza</i> spp.) infestation and management practices in southern Brazil. <i>Weed Science</i> , 2021, 69, 536-546.	0.8	10
7	Weedy rice ( <i>Oryza</i> spp.) diversity in southern Brazil. <i>Weed Science</i> , 2021, 69, 547-557.	0.8	4
8	Acclimation to cold stress reduces injury from low temperature and bispyribac-sodium on rice. <i>Pest Management Science</i> , 2021, 77, 4016-4025.	1.7	3
9	Evaluation of an alternative sorbent for passive sampling of the herbicides 2,4-D and Dicamba in the air. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 634-643.	0.7	2
10	Eighteen years of Clearfield <sup>®</sup> rice in Brazil: what have we learned?. <i>Weed Science</i> , 2021, 69, 585-597.	0.8	11
11	Effects of Elevated Atmospheric CO <sub>2</sub> Concentration and Water Regime on Rice Yield, Water Use Efficiency, and Arsenic and Cadmium Accumulation in Grain. <i>Agriculture (Switzerland)</i> , 2021, 11, 705.	1.4	4
12	Molecular and Physiological Responses of Rice and Weedy Rice to Heat and Drought Stress. <i>Agriculture (Switzerland)</i> , 2021, 11, 9.	1.4	29
13	Cross-talk between cold and bispyribac-sodium on rice seedlings. <i>Plant Stress</i> , 2021, 3, 100049.	2.7	1
14	Florpyrauxifen-Benzyl Selectivity to Rice. <i>Agriculture (Switzerland)</i> , 2021, 11, 1270.	1.4	4
15	Rapid Reduction of Herbicide Susceptibility in Junglerice by Recurrent Selection with Sublethal Dose of Herbicides and Heat Stress. <i>Agronomy</i> , 2020, 10, 1761.	1.3	9
16	Recurrent Selection by Herbicide Sublethal Dose and Drought Stress Results in Rapid Reduction of Herbicide Sensitivity in Junglerice. <i>Agronomy</i> , 2020, 10, 1619.	1.3	10
17	Increased atmospheric CO <sub>2</sub> concentration causes modification of physiological, biochemical and histological characteristics that affects rice- <i>Bipolaris oryzae</i> interaction. <i>European Journal of Plant Pathology</i> , 2020, 157, 29-38.	0.8	0
18	Current situation regarding herbicide regulation and public perception in South America. <i>Weed Science</i> , 2020, 68, 232-239.	0.8	12

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19	Glyphosate and Saflufenacil: Elucidating Their Combined Action on the Control of Glyphosate-Resistant <i>Conyza bonariensis</i> . <i>Agriculture (Switzerland)</i> , 2020, 10, 236.	1.4	7
20	Biochemical defenses of rice against <i>Bipolaris oryzae</i> increase with high atmospheric concentration of CO <sub>2</sub> . <i>Physiological and Molecular Plant Pathology</i> , 2020, 110, 101484.	1.3	6
21	Phytostimulation of lowland soil contaminated with imidazolinone herbicides. <i>International Journal of Phytoremediation</i> , 2020, 22, 774-780.	1.7	13
22	EFEITO DA APLICAÇÃO DE HERBICIDAS SUPOSTAMENTE ANTAGONISTAS SOBRE PLANTAS DE ARROZ SUSCETÍVEIS A INIBIDORES DA ENZIMA ACCASE. <i>Revista Brasileira De Herbicidas</i> , 2020, 19, 714.	0.1	0
23	Interaction between saflufenacil and imazapyr+imazapic in the management of barnyardgrass and weedy rice and selectivity for irrigated rice. <i>Ciencia Rural</i> , 2020, 50, .	0.3	1
24	Using Rainfall Analysis to Manage Freeboard and Increase Rainfall Capture for Multiple-Inlet Rice Irrigation in the Lower Mississippi River Valley. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, .	0.6	7
25	High [CO <sub>2</sub> ] and Temperature Increase Resistance to Cyhalofop-Butyl in Multiple-Resistant <i>Echinochloa colona</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 529.	1.7	24
26	Respostas morfofisiológicas e rendimento de grãos do trigo mediados pelo aumento da concentração de CO <sub>2</sub> atmosférico. <i>Revista Brasileira de Ciências Agrárias</i> , 2019, 14, 1-7.	0.3	5
27	Effect of Tillage Systems on the Dissipation of Prosulfocarb Herbicide. <i>Weed Technology</i> , 2018, 32, 195-204.	0.4	2
28	Resistance of <i>Echinochloa crusgalli</i> var. <i>mitis</i> to Imazapyr+Imazapic Herbicide and Alternative Control in Irrigated Rice. <i>Planta Daninha</i> , 2018, 36, .	0.5	7
29	Selectivity of Imazapic + Imazapyr Herbicides on Irrigated Rice as Affected by Seed Treatment with Dietholate and Clomazone Applied in Preemergence. <i>Planta Daninha</i> , 2018, 36, .	0.5	4
30	Biochemical Alterations of Weeds in Response to Stress Caused by Herbicides and Total Plant Submersion. <i>Planta Daninha</i> , 2018, 35, .	0.5	1
31	Rice Production in the Americas. , 2017, , 137-168.		17
32	Susceptibility of peruvian watergrass and rice cutgrass to glyphosate under soil moisture variations. <i>Crop Protection</i> , 2017, 98, 1-7.	1.0	4
33	Germination of Winter Annual Grass Weeds under a Range of Temperatures and Water Potentials. <i>Weed Science</i> , 2017, 65, 468-478.	0.8	19
34	Dissipation of Clomazone, Imazapyr, and Imazapic Herbicides in Paddy Water under Two Rice Flood Management Regimes. <i>Weed Technology</i> , 2017, 31, 330-340.	0.4	8
35	Reducing tillage intensity affects the cumulative emergence dynamics of annual grass weeds in winter cereals. <i>Weed Research</i> , 2017, 57, 314-322.	0.8	13
36	Does competition between soybeans and Wild Poinsettia with low-level resistance or susceptibility to glyphosate affect physiology and secondary metabolism?. <i>Semina: Ciências Agrárias</i> , 2017, 38, 1133.	0.1	3

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37	IDENTIFICATION AND VALIDATION OF REFERENCE GENES FOR THE NORMALIZATION IN REAL-TIME RT-QPCR ON RICE AND RED RICE IN COMPETITION, UNDER DIFFERENT NITROGEN DOSES. <i>Planta Daninha</i> , 2017, 35, .	0.5	8
38	Leaching and residual activity of imidazolinone herbicides in lowland soils. <i>Ciencia Rural</i> , 2017, 47, .	0.3	14
39	Morphological and Biochemical Alterations of Paddy Rice in Response to Stress Caused by Herbicides and Total Plant Submersion. <i>Planta Daninha</i> , 2017, 35, .	0.5	6
40	Pesticide drift from aircraft applications with conical nozzles and electrostatic system. <i>Ciencia Rural</i> , 2016, 46, 1678-1682.	0.3	4
41	Suficiência amostral para estudos de impacto ambiental sobre a comunidade de macroinvertebrados bentônicos em arrozais irrigados. <i>Ciencia Rural</i> , 2016, 46, 26-29.	0.3	2
42	Acute exposure to the biopesticide azadirachtin affects parameters in the gills of common carp ( <i>Cyprinus carpio</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 180, 49-55.	1.3	8
43	Yield loss and economic thresholds of yellow nutsedge in irrigated rice in function of cultivars. <i>Bioscience Journal</i> , 2016, 32, 588-596.	0.4	6
44	Seletividade de herbicidas sobre arroz irrigado em resposta à época de semeadura e redução da luminosidade em fases do desenvolvimento. <i>Revista Ceres</i> , 2016, 63, 165-173.	0.1	5
45	Volatilidade de formulações de clomazone em condições de campo. <i>Revista Brasileira De Herbicidas</i> , 2016, 15, 271.	0.1	2
46	Relative competitive ability of rice with strawhull and blackhull red rice biotypes. <i>Científica</i> , 2016, 44, 176.	0.1	0
47	Expression of genes in cultivated rice and weedy rice in competition. <i>Australian Journal of Crop Science</i> , 2016, 10, 749-757.	0.1	2
48	Desempenho inicial de arroz irrigado decorrentes da aplicação de fertilizantes na seletividade de herbicidas. <i>Revista Verde De Agroecologia E Desenvolvimento Sustentável</i> , 2016, 11, 174.	0.1	0
49	Biochemical Alterations of Rice in Response to Plant Submersion and Herbicides. <i>Procedia Environmental Sciences</i> , 2015, 29, 73-74.	1.3	2
50	Volatility of Different Formulations of Clomazone Herbicide. <i>Planta Daninha</i> , 2015, 33, 315-321.	0.5	11
51	Carryover of Imazethapyr + Imazapic on Ryegrass and Non-tolerant Rice as Affected by Thickness of Soil Profile. <i>Planta Daninha</i> , 2015, 33, 357-364.	0.5	4
52	Influência de Adjuvantes e Pontas de Pulverização na Deriva de Aplicação do Glyphosate. <i>Planta Daninha</i> , 2015, 33, 375-386.	0.5	1
53	Rice Water Use Efficiency and Yield under Continuous and Intermittent Irrigation. <i>Agronomy Journal</i> , 2015, 107, 442-448.	0.9	28
54	Sensitivity of imidazolinone-resistant red rice ( <i>Oryza sativa</i> L.) to glyphosate and glufosinate. <i>Ciencia Rural</i> , 2015, 45, 1557-1563.	0.3	5

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55	Imidazolinone Degradation in Soil in Response to Application History. <i>Planta Daninha</i> , 2015, 33, 341-349.	0.5	18
56	Weedy (Red) Rice. <i>Advances in Agronomy</i> , 2015, , 181-228.	2.4	96
57	Absorption, translocation and metabolism of bispyribac-sodium on rice seedlings under cold stress. <i>Pest Management Science</i> , 2015, 71, 1021-1029.	1.7	28
58	Phytoremediation of lowland soil contaminated with a formulated mixture of Imazethapyr and Imazapic. <i>Revista Ciencia Agronomica</i> , 2015, 46, 185-192.	0.1	9
59	Farmer adaptation of intermittent flooding using multiple-inlet rice irrigation in Mississippi. <i>Agricultural Water Management</i> , 2014, 146, 297-304.	2.4	56
60	Lixiviação de imidazolinonas em resposta a diferentes manejos de irrigação em solo de cultivo de arroz irrigado. <i>Ciencia Rural</i> , 2014, 44, 1943-1949.	0.3	6
61	Environmental fate of S-Metolachlor: a review. <i>Planta Daninha</i> , 2014, 32, 655-664.	0.5	40
62	Does the resistance to glyphosate herbicide affect the competitive ability of ryegrass with soybean?. <i>Planta Daninha</i> , 2014, 32, 189-196.	0.5	4
63	Suscetibilidade de duas Gramas-boiadeiras a diferentes formulações de glyphosate. <i>Ciencia Rural</i> , 2014, 44, 400-406.	0.3	3
64	Efeito da calagem na lixiviação de imazethapyr e imazapyr em solo de cultivo de arroz irrigado. <i>Ciencia Rural</i> , 2014, 44, 1008-1014.	0.3	4
65	Red Rice Control and Soybean Tolerance to &lt;i>S&lt;/i>-Metolachlor in Association with Glyphosate. <i>American Journal of Plant Sciences</i> , 2014, 05, 2040-2047.	0.3	9
66	Imazethapyr and imazapic runoff under continuous and intermittent irrigation of paddy rice. <i>Agricultural Water Management</i> , 2013, 125, 26-34.	2.4	31
67	Biodegradação dos herbicidas imazetapir e imazapic em solo rizoso de seis espécies vegetais. <i>Ciencia Rural</i> , 2013, 43, 1790-1796.	0.3	11
68	Plantas indicadoras de clomazone na fase vapor. <i>Ciencia Rural</i> , 2013, 43, 1817-1823.	0.3	6
69	Initial development of red and cultivated rice in response to light and air temperature. <i>Journal of Seed Science</i> , 2013, 35, 510-518.	0.7	4
70	Transporte ascendente da mistura formulada de imazethapyr e imazapic em resposta à profundidade do lençol freático. <i>Ciencia Rural</i> , 2013, 43, 1597-1604.	0.3	5
71	Methane efflux in rice paddy field under different irrigation managements. <i>Revista Brasileira De Ciencia Do Solo</i> , 2013, 37, 431-437.	0.5	23
72	Effects of the commercial formulation containing fipronil on the non-target organism <i>Cyprinus carpio</i> : Implications for rice-fish cultivation. <i>Ecotoxicology and Environmental Safety</i> , 2012, 77, 45-51.	2.9	72

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73	Transporte de agrotóxicos em lavoura de arroz irrigado sob três manejos de irrigação. Planta Daninha, 2012, 30, 799-808.	0.5	4
74	Risco de contaminação das águas de superfície e subterrneas por agrotóxicos recomendados para a cultura do arroz irrigado. Ciencia Rural, 2012, 42, 1715-1721.	0.3	17
75	Tissue Biochemical Alterations of <i>Cyprinus carpio</i> Exposed to Commercial Herbicide Containing Clomazone Under Rice-Field Conditions. Archives of Environmental Contamination and Toxicology, 2012, 62, 97-106.	2.1	32
76	Sensibilidade do capim-capivara a herbicidas. Planta Daninha, 2012, 30, 817-825.	0.5	3
77	Toxicological responses of <i>Cyprinus carpio</i> after exposure to a commercial herbicide containing imazethapyr and imazapic. Ecotoxicology and Environmental Safety, 2011, 74, 328-335.	2.9	58
78	Commercial formulation containing quinclorac and metsulfuron-methyl herbicides inhibit acetylcholinesterase and induce biochemical alterations in tissues of <i>Leporinus obtusidens</i> . Ecotoxicology and Environmental Safety, 2011, 74, 336-341.	2.9	46
79	Modeling the Development of Cultivated Rice and Weedy Red Rice. Transactions of the ASABE, 2011, 54, 371-384.	1.1	18
80	Toxicological Responses of <i>Cyprinus carpio</i> Exposed to a Commercial Formulation Containing Glyphosate. Bulletin of Environmental Contamination and Toxicology, 2011, 87, 597-602.	1.3	73
81	Toxicological responses of <i>Cyprinus carpio</i> exposed to the herbicide penoxsulam in rice field conditions. Journal of Applied Toxicology, 2011, 31, 626-632.	1.4	22
82	Lixiviação de imazethapyr + imazapic em função do manejo de irrigação do arroz. Planta Daninha, 2011, 29, 185-193.	0.5	9
83	Arroz tolerante a imidazolinonas: banco de sementes de arroz-vermelho e fluxo gênico. Planta Daninha, 2011, 29, 1099-1105.	0.5	6
84	Produtividade, fitotoxicidade e controle de arroz-vermelho na sucessão de cultivo de arroz irrigado no Sistema CLEARFIELD®. Ciencia Rural, 2011, 41, 17-24.	0.3	9
85	Retorno da produção de arroz irrigado com cultivares convencionais após o uso do sistema Clearfield®. Planta Daninha, 2010, 28, 123-129.	0.5	5
86	Toxicidade da mistura formulada de imazethapyr e imazapic sobre o azevém em função do teor de umidade do solo. Planta Daninha, 2010, 28, 1041-1046.	0.5	4
87	Phorate e dietholate protegem o arroz da fitotoxicidade do clomazone em doses elevadas. Planta Daninha, 2010, 28, 909-912.	0.5	7
88	Diâmetro do trado e número de amostras para quantificação do banco de sementes de arroz-vermelho do solo. Ciencia Rural, 2010, 40, 429-431.	0.3	0
89	Efeito do protetor dietholate na seletividade de clomazone em cultivares de arroz irrigado. Planta Daninha, 2010, 28, 339-346.	0.5	8
90	Profundidade de localização do herbicida imazetapir + imazapic no solo sobre a fitotoxicidade em de plantas de arroz não resistente. Ciencia Rural, 2010, 40, 1867-1873.	0.3	2

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91	Resíduos de agrotóxicos na água de rios da Depressão Central do Estado do Rio Grande do Sul, Brasil. <i>Ciencia Rural</i> , 2010, 40, 1053-1059.	0.3	48
92	Carryover of Imazethapyr and Imazapic to Nontolerant Rice. <i>Weed Technology</i> , 2010, 24, 6-10.	0.4	20
93	Doses e épocas de aplicação de nitrogênio na suscetibilidade do arroz à temperatura baixa na fase reprodutiva. <i>Ciencia Rural</i> , 2009, 39, 992-997.	0.3	2
94	Época de aplicação de nitrogênio e de início da irrigação na fitotoxicidade causada pela aplicação de imidazolinonas em arroz tolerante. <i>Ciencia Rural</i> , 2009, 39, 1647-1652.	0.3	3
95	Lixiviação do imazethapyr em solo de várzea sob dois sistemas de manejo. <i>Ciencia Rural</i> , 2009, 39, 1660-1666.	0.3	12
96	Persistência dos herbicidas imazethapyr e imazapic em solo de várzea sob diferentes sistemas de manejo. <i>Planta Daninha</i> , 2009, 27, 581-588.	0.5	23
97	Monitoramento de agrotóxicos em águas superficiais de regiões orizícolas no sul do Brasil. <i>Ciencia Rural</i> , 2009, 39, 2383-2389.	0.3	48
98	Toxicological and metabolic parameters of the teleost fish ( <i>Leporinus obtusidens</i> ) in response to commercial herbicides containing clomazone and propanil. <i>Pesticide Biochemistry and Physiology</i> , 2009, 95, 57-62.	1.6	43
99	Destino ambiental dos herbicidas do grupo das imidazolinonas: revisão. <i>Planta Daninha</i> , 2009, 27, 629-639.	0.5	21
100	Qualidade de água dos rios Vacaca e Vacaca-Mirim no Estado do Rio Grande do Sul, Brasil. <i>Ciencia Rural</i> , 2009, 39, 2050-2056.	0.3	4
101	Persistência dos herbicidas imazethapyr e clomazone em lâmina de água do arroz irrigado. <i>Planta Daninha</i> , 2008, 26, 875-881.	0.5	18
102	Arroz: composição e características nutricionais. <i>Ciencia Rural</i> , 2008, 38, 1184-1192.	0.3	92
103	Manutenção da área foliar e produtividade de arroz irrigado com a aplicação de fertilizantes foliares no estágio de emborrachamento. <i>Ciencia Rural</i> , 2008, 38, 1439-1442.	0.3	3
104	Residual da mistura formulada dos herbicidas imazethapyr e imazapic em solo de várzea sobre azevém ( <i>Lolium multiflorum</i> Lam.) cultivado em sucesso ao arroz tolerante. <i>Ciencia Rural</i> , 2008, 38, 1754-1757.	0.3	1
105	Controle químico de arroz-vermelho na cultura do arroz irrigado. <i>Planta Daninha</i> , 2007, 25, 405-412.	0.5	12
106	Rice herbicide monitoring in two Brazilian rivers during the rice growing season. <i>Scientia Agricola</i> , 2007, 64, 131-137.	0.6	48
107	Imazethapyr Aqueous Photolysis, Reaction Quantum Yield, and Hydroxyl Radical Rate Constant. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2635-2639.	2.4	29
108	Controle de arroz-vermelho em dois genótipos de arroz ( <i>Oryza sativa</i> ) tolerantes a herbicidas do grupo das imidazolinonas. <i>Planta Daninha</i> , 2006, 24, 549-555.	0.5	16

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109	Arroz tolerante a imidazolinonas: controle do arroz-vermelho, fluxo gênico e efeito residual do herbicida em culturas sucessoras não-tolerantes. <i>Planta Daninha</i> , 2006, 24, 761-768.	0.5	37
110	Assessment of acetolactate synthase (ALS) tolerance to imazethapyr in red rice ecotypes ( <i>Oryza spp</i> ) and imidazolinone tolerant/ resistant rice ( <i>Oryza sativa</i> ) varieties. <i>Pest Management Science</i> , 2005, 61, 171-178.	1.7	23
111	Effect of Flood Timing on Red Rice ( <i>Oryza spp.</i> ) Control with Imazethapyr Applied at Different Dry-Seeded Rice Growth Stages. <i>Weed Technology</i> , 2005, 19, 476-480.	0.4	23
112	Dinâmica do banco de sementes de arroz-vermelho afetado pelo pisoteio bovino e tempo de pousio da área. <i>Planta Daninha</i> , 2003, 21, 55-62.	0.5	16
113	Manejo da adubação do arroz irrigado em sistema pré-germinado na produtividade e perda de nutrientes através da água de drenagem inicial. <i>Ciencia Rural</i> , 2001, 31, 877-879.	0.3	6
114	Adubação foliar com micronutrientes em arroz irrigado, em área sistematizada. <i>Ciencia Rural</i> , 2001, 31, 941-945.	0.3	6
115	Evolução do banco de sementes de arroz vermelho em diferentes sistemas de utilização do solo de várzeas. <i>Planta Daninha</i> , 2000, 18, 217-230.	0.5	9
116	Banco de sementes de arroz vermelho em sistemas de semeadura de arroz irrigado. <i>Ciencia Rural</i> , 2000, 30, 773-777.	0.3	6
117	Ocorrência de agrotóxicos em águas subterrâneas de áreas adjacentes a lavouras de arroz irrigado. <i>Quimica Nova</i> , 0, , .	0.3	8
118	Enzymatic Properties and Ryegrass Resistance Mechanism to Iodosulfuron-Methyl-Sodium Herbicide. <i>Planta Daninha</i> , 0, 37, .	0.5	1
119	Elevated CO <sub>2</sub> Concentrations and Water Stress Affect the Ability of Italian Ryegrass to Remediate Herbicides and Enhance its Allelopathic Effect. <i>Planta Daninha</i> , 0, 37, .	0.5	2
120	Sulfentrazone: Environmental Dynamics and Selectivity. <i>Planta Daninha</i> , 0, 38, .	0.5	6
121	Drift Distance in Aircraft Glyphosate Application Using Rice Plants as Indicators. <i>Planta Daninha</i> , 0, 38, .	0.5	4
122	Soybean plant osmotic and oxidative stress as affected by herbicide and salinity levels in soil. <i>Planta Daninha</i> , 0, 38, .	0.5	4
123	Response of imidazolinone-resistant and -susceptible weedy rice populations to imazethapyr and increased atmospheric CO <sub>2</sub> . <i>Planta Daninha</i> , 0, 38, .	0.5	0
124	Rising atmospheric CO <sub>2</sub> concentration affect weedy rice growth, seed shattering and seedbank longevity. <i>Weed Research</i> , 0, , .	0.8	3