

Luis A Avila

List of Publications by Year in descending order

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124
papers

1,718
citations

331670

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all docs

126
docs citations

126
times ranked

1734
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#	ARTICLE	IF	CITATIONS
1	Weedy (Red) Rice. <i>Advances in Agronomy</i> , 2015, , 181-228.	5.2	96
2	Arroz: composio e caractersticas nutricionais. <i>Ciencia Rural</i> , 2008, 38, 1184-1192.	0.5	92
3	Toxicological Responses of <i>Cyprinus carpio</i> Exposed to a Commercial Formulation Containing Glyphosate. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 597-602.	2.7	73
4	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.	6.0	72
5	Toxicological responses of <i>Cyprinus carpio</i> after exposure to a commercial herbicide containing imazethapyr and imazapic. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 328-335.	6.0	58
6	Farmer adaptation of intermittent flooding using multiple-inlet rice irrigation in Mississippi. <i>Agricultural Water Management</i> , 2014, 146, 297-304.	5.6	56
7	Rice herbicidemonitoring in two Brazilian rivers during the rice growing season. <i>Scientia Agricola</i> , 2007, 64, 131-137.	1.2	48
8	Monitoramento de agrotxicos em guas superficiais de regies orizcolas no sul do Brasil. <i>Ciencia Rural</i> , 2009, 39, 2383-2389.	0.5	48
9	Resduos de agrotxicos na gua de ros da Depresso Central do Estado do Rio Grande do Sul, Brasil. <i>Ciencia Rural</i> , 2010, 40, 1053-1059.	0.5	48
10	Commercial formulation containing quinclorac and metsulfuron-methyl herbicides inhibit acetylcholinesterase and induce biochemical alterations in tissues of <i>Leporinus obtusidens</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 336-341.	6.0	46
11	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.	3.6	43
12	Environmental fate of S-Metolachlor: a review. <i>Planta Daninha</i> , 2014, 32, 655-664.	0.5	40
13	Arroz tolerante a imidazolinonas: controle do arroz-vermelho, fluxo gnico e efeito residual do herbicida em culturas sucessoras no-tolerantes. <i>Planta Daninha</i> , 2006, 24, 761-768.	0.5	37
14	Tissue Biochemical Alterations of <i>Cyprinus carpio</i> Exposed to Commercial Herbicide Containing Clomazone Under Rice-Field Conditions. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 62, 97-106.	4.1	32
15	Imazethapyr and imazapic runoff under continuous and intermittent irrigation of paddy rice. <i>Agricultural Water Management</i> , 2013, 125, 26-34.	5.6	31
16	Imazethapyr Aqueous Photolysis, Reaction Quantum Yield, and Hydroxyl Radical Rate Constant. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2635-2639.	5.2	29
17	Molecular and Physiological Responses of Rice and Weedy Rice to Heat and Drought Stress. <i>Agriculture (Switzerland)</i> , 2021, 11, 9.	3.1	29
18	Rice Water Use Efficiency and Yield under Continuous and Intermittent Irrigation. <i>Agronomy Journal</i> , 2015, 107, 442-448.	1.8	28

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19	Absorption, translocation and metabolism of bispyribac-sodium on rice seedlings under cold stress. <i>Pest Management Science</i> , 2015, 71, 1021-1029.	3.4	28
20	High [CO ₂] and Temperature Increase Resistance to Cyhalofop-Butyl in Multiple-Resistant <i>Echinochloa colona</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 529.	3.6	24
21	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.	3.4	23
22	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.	0.9	23
23	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
24	Methane efflux in rice paddy field under different irrigation managements. <i>Revista Brasileira De Ciencia Do Solo</i> , 2013, 37, 431-437.	1.3	23
25	Toxicological responses of <i>Cyprinus carpio</i> exposed to the herbicide penoxsulam in rice field conditions. <i>Journal of Applied Toxicology</i> , 2011, 31, 626-632.	2.8	22
26	Destino ambiental dos herbicidas do grupo das imidazolinonas: revisão. <i>Planta Daninha</i> , 2009, 27, 629-639.	0.5	21
27	Carryover of Imazethapyr and Imazapic to Nontolerant Rice. <i>Weed Technology</i> , 2010, 24, 6-10.	0.9	20
28	Germination of Winter Annual Grass Weeds under a Range of Temperatures and Water Potentials. <i>Weed Science</i> , 2017, 65, 468-478.	1.5	19
29	Persistência dos herbicidas imazethapyr e clomazone em lâmina de água do arroz irrigado. <i>Planta Daninha</i> , 2008, 26, 875-881.	0.5	18
30	Modeling the Development of Cultivated Rice and Weedy Red Rice. <i>Transactions of the ASABE</i> , 2011, 54, 371-384.	1.1	18
31	Imidazolinone Degradation in Soil in Response to Application History. <i>Planta Daninha</i> , 2015, 33, 341-349.	0.5	18
32	Risco de contaminação das águas de superfície e subterrâneas por agrotóxicos recomendados para a cultura do arroz irrigado. <i>Ciencia Rural</i> , 2012, 42, 1715-1721.	0.5	17
33	Rice Production in the Americas. , 2017, , 137-168.		17
34	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
35	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
36	Leaching and residual activity of imidazolinone herbicides in lowland soils. <i>Ciencia Rural</i> , 2017, 47, .	0.5	14

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37	Reducing tillage intensity affects the cumulative emergence dynamics of annual grass weeds in winter cereals. <i>Weed Research</i> , 2017, 57, 314-322.	1.7	13
38	Phytostimulation of lowland soil contaminated with imidazolinone herbicides. <i>International Journal of Phytoremediation</i> , 2020, 22, 774-780.	3.1	13
39	Controle químico de arroz-vermelho na cultura do arroz irrigado. <i>Planta Daninha</i> , 2007, 25, 405-412.	0.5	12
40	Lixiviação do imazethapyr em solo de várzea sob dois sistemas de manejo. <i>Ciencia Rural</i> , 2009, 39, 1660-1666.	0.5	12
41	Current situation regarding herbicide regulation and public perception in South America. <i>Weed Science</i> , 2020, 68, 232-239.	1.5	12
42	Biodegradação dos herbicidas imazetapir e imazapique em solo rizosférico de seis espécies vegetais. <i>Ciencia Rural</i> , 2013, 43, 1790-1796.	0.5	11
43	Volatility of Different Formulations of Clomazone Herbicide. <i>Planta Daninha</i> , 2015, 33, 315-321.	0.5	11
44	Eighteen years of Clearfield [®] rice in Brazil: what have we learned?. <i>Weed Science</i> , 2021, 69, 585-597.	1.5	11
45	Recurrent Selection by Herbicide Sublethal Dose and Drought Stress Results in Rapid Reduction of Herbicide Sensitivity in Junglerice. <i>Agronomy</i> , 2020, 10, 1619.	3.0	10
46	Status of weedy rice (<i>Oryza</i> spp.) infestation and management practices in southern Brazil. <i>Weed Science</i> , 2021, 69, 536-546.	1.5	10
47	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
48	Rapid Reduction of Herbicide Susceptibility in Junglerice by Recurrent Selection with Sublethal Dose of Herbicides and Heat Stress. <i>Agronomy</i> , 2020, 10, 1761.	3.0	9
49	Lixiviação de imazethapyr + imazapic em função do manejo de irrigação do arroz. <i>Planta Daninha</i> , 2011, 29, 185-193.	0.5	9
50	Produtividade, fitotoxicidade e controle de arroz-vermelho na sucessão de cultivo de arroz irrigado no Sistema CLEARFIELD [®] . <i>Ciencia Rural</i> , 2011, 41, 17-24.	0.5	9
51	Phytoremediation of lowland soil contaminated with a formulated mixture of Imazethapyr and Imazapic1. <i>Revista Ciencia Agronomica</i> , 2015, 46, 185-192.	0.3	9
52	Red Rice Control and Soybean Tolerance to Metolachlor in Association with Glyphosate. <i>American Journal of Plant Sciences</i> , 2014, 05, 2040-2047.	0.8	9
53	RNAi as a tool for weed management: challenges and opportunities. <i>Advances in Weed Science</i> , 2022, 40, .	1.2	9
54	Efeito do protetor dietholate na seletividade de clomazone em cultivares de arroz irrigado. <i>Planta Daninha</i> , 2010, 28, 339-346.	0.5	8

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55	Ocorrência de agrotóxicos em águas subterrâneas de áreas adjacentes a lavouras de arroz irrigado. <i>Quimica Nova</i> , 0, , .	0.3	8
56	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.	2.6	8
57	Dissipation of Clomazone, Imazapyr, and Imazapic Herbicides in Paddy Water under Two Rice Flood Management Regimes. <i>Weed Technology</i> , 2017, 31, 330-340.	0.9	8
58	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
59	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.	3.1	8
60	Phorate e dietholate protegem o arroz da fitotoxicidade do clomazone em doses elevadas. <i>Planta Daninha</i> , 2010, 28, 909-912.	0.5	7
61	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
62	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, .	1.0	7
63	Glyphosate and Saflufenacil: Elucidating Their Combined Action on the Control of Glyphosate-Resistant <i>Conyza bonariensis</i> . <i>Agriculture (Switzerland)</i> , 2020, 10, 236.	3.1	7
64	Understanding the Opportunities to Mitigate Carryover of Imidazolinone Herbicides in Lowland Rice. <i>Agriculture (Switzerland)</i> , 2021, 11, 299.	3.1	7
65	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.	0.5	6
66	Adubação foliar com micronutrientes em arroz irrigado, em área sistematizada. <i>Ciencia Rural</i> , 2001, 31, 941-945.	0.5	6
67	Plantas indicadoras de clomazone na fase vapor. <i>Ciencia Rural</i> , 2013, 43, 1817-1823.	0.5	6
68	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.	0.5	6
69	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
70	Biochemical defenses of rice against <i>Bipolaris oryzae</i> increase with high atmospheric concentration of CO ₂ . <i>Physiological and Molecular Plant Pathology</i> , 2020, 110, 101484.	2.5	6
71	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
72	Arroz tolerante a imidazolinonas: banco de sementes de arroz-vermelho e fluxo gênico. <i>Planta Daninha</i> , 2011, 29, 1099-1105.	0.5	6

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73	Sulfentrazone: Environmental Dynamics and Selectivity. <i>Planta Daninha</i> , 0, 38, .	0.5	6
74	Banco de sementes de arroz vermelho em sistemas de semeadura de arroz irrigado. <i>Ciencia Rural</i> , 2000, 30, 773-777.	0.5	6
75	Retorno da produ��o de arroz irrigado com cultivares convencionais ap�s o uso do sistema Clearfield�. <i>Planta Daninha</i> , 2010, 28, 123-129.	0.5	5
76	Transporte ascendente da mistura formulada de imazethapyr e imazapic em resposta � profundidade do len�sol fre�tico. <i>Ciencia Rural</i> , 2013, 43, 1597-1604.	0.5	5
77	Sensitivity of imidazolinone-resistant red rice (<i>Oryza sativa</i> L.) to glyphosate and glufosinate. <i>Ciencia Rural</i> , 2015, 45, 1557-1563.	0.5	5
78	Seletividade de herbicidas sobre arroz irrigado em resposta � �poca de semeadura e redu�o da luminosidade em fases do desenvolvimento. <i>Revista Ceres</i> , 2016, 63, 165-173.	0.4	5
79	Respostas morfofisiol�gicas e rendimento de gr�os do trigo mediados pelo aumento da concentra�o de CO2 atmosf�rico. <i>Revista Brasileira de Ciencias Agrarias</i> , 2019, 14, 1-7.	0.2	5
80	Toxicidade da mistura formulada de imazethapyr e imazapic sobre o azev�m em fun�o do teor de umidade do solo. <i>Planta Daninha</i> , 2010, 28, 1041-1046.	0.5	4
81	Transporte de agrot�xicos em lavoura de arroz irrigado sob tr�s manejos de irriga�o. <i>Planta Daninha</i> , 2012, 30, 799-808.	0.5	4
82	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
83	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
84	Pesticide drift from aircraft applications with conical nozzles and electrostatic system. <i>Ciencia Rural</i> , 2016, 46, 1678-1682.	0.5	4
85	Susceptibility of peruvian watergrass and rice cutgrass to glyphosate under soil moisture variations. <i>Crop Protection</i> , 2017, 98, 1-7.	2.1	4
86	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
87	Weedy rice (<i>Oryza</i> spp.) diversity in southern Brazil. <i>Weed Science</i> , 2021, 69, 547-557.	1.5	4
88	Effects of Elevated Atmospheric CO2 Concentration and Water Regime on Rice Yield, Water Use Efficiency, and Arsenic and Cadmium Accumulation in Grain. <i>Agriculture (Switzerland)</i> , 2021, 11, 705.	3.1	4
89	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
90	Drift Distance in Aircraft Glyphosate Application Using Rice Plants as Indicators. <i>Planta Daninha</i> , 0, 38, .	0.5	4

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91	Soybean plant osmotic and oxidative stress as affected by herbicide and salinity levels in soil. <i>Planta Daninha</i> , 0, 38, .	0.5	4
92	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.	0.5	4
93	Efeito da calagem na lixiviação de imazethapyr e imazapyr em solo de cultivo de arroz irrigado. <i>Ciencia Rural</i> , 2014, 44, 1008-1014.	0.5	4
94	Florpyrauxifen-Benzyl Selectivity to Rice. <i>Agriculture (Switzerland)</i> , 2021, 11, 1270.	3.1	4
95	Tempo 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.	0.5	3
96	Does competition between soybeans and Wild Poinsettia with low-level resistance or susceptibility to glyphosate affect physiology and secondary metabolism?. <i>Semina:Ciencias Agrarias</i> , 2017, 38, 1133.	0.3	3
97	Acclimation to cold stress reduces injury from low temperature and bispyribac sodium on rice. <i>Pest Management Science</i> , 2021, 77, 4016-4025.	3.4	3
98	Sensibilidade do capim-capivara a herbicidas. <i>Planta Daninha</i> , 2012, 30, 817-825.	0.5	3
99	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.	0.5	3
100	Suscetibilidade de duas Gramas-boiadeiras a diferentes formulações de glyphosate. <i>Ciencia Rural</i> , 2014, 44, 400-406.	0.5	3
101	Rising atmospheric CO ₂ concentration affect weedy rice growth, seed shattering and seedbank longevity. <i>Weed Research</i> , 0, , .	1.7	3
102	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.	0.5	2
103	Profundidade de localização do herbicida imazetapir + imazapique no solo sobre a fitotoxicidade em plantas de arroz não resistente. <i>Ciencia Rural</i> , 2010, 40, 1867-1873.	0.5	2
104	Biochemical Alterations of Rice in Response to Plant Submersion and Herbicides. <i>Procedia Environmental Sciences</i> , 2015, 29, 73-74.	1.4	2
105	Suficiência amostral para estudos de impacto ambiental sobre a comunidade de macroinvertebrados bentônicos em arrozais irrigados. <i>Ciencia Rural</i> , 2016, 46, 26-29.	0.5	2
106	Effect of Tillage Systems on the Dissipation of Prosulfocarb Herbicide. <i>Weed Technology</i> , 2018, 32, 195-204.	0.9	2
107	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.	1.5	2
108	Elevated CO ₂ 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

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109	Volatilidade de formulações de clomazone em condições de campo. Revista Brasileira De Herbicidas, 2016, 15, 271.	0.1	2
110	Expression of genes in cultivated rice and weedy rice in competition. Australian Journal of Crop Science, 2016, 10, 749-757.	0.3	2
111	Influência de Adjuvantes e Pontas de Pulverização na Deriva de Aplicação do Glyphosate. Planta Daninha, 2015, 33, 375-386.	0.5	1
112	Biochemical Alterations of Weeds in Response to Stress Caused by Herbicides and Total Plant Submersion. Planta Daninha, 2018, 35, .	0.5	1
113	Enzymatic Properties and Ryegrass Resistance Mechanism to Iodosulfuron-Methyl-Sodium Herbicide. Planta Daninha, 0, 37, .	0.5	1
114	Recurrent Selection with Low Herbicide Rates and Salt Stress Decrease Sensitivity of Echinochloa colona to Imidazolinone. Agriculture (Switzerland), 2021, 11, 187.	3.1	1
115	Residual da mistura formulada dos herbicidas imazethapyr e imazapic em solo de várzea sobre azevém (Lolium multiflorum Lam.) cultivado em sucessão ao arroz tolerante. Ciencia Rural, 2008, 38, 1754-1757.	0.5	1
116	Interaction between saflufenacil and imazapyr+imazapic in the management of barnyardgrass and weedy rice and selectivity for irrigated rice. Ciencia Rural, 2020, 50, .	0.5	1
117	Cross-talk between cold and bispyribac-sodium on rice seedlings. Plant Stress, 2021, 3, 100049.	5.5	1
118	Diâmetro do trado e número de amostras para quantificação do banco de sementes de arroz-vermelho do solo. Ciencia Rural, 2010, 40, 429-431.	0.5	0
119	Increased atmospheric CO2 concentration causes modification of physiological, biochemical and histological characteristics that affects rice-Bipolaris oryzae interaction. European Journal of Plant Pathology, 2020, 157, 29-38.	1.7	0
120	Relative competitive ability of rice with strawhull and blackhull red rice biotypes. Científica, 2016, 44, 176.	0.2	0
121	Desempenho inicial de arroz irrigado decorrentes da aplicação de fertilizantes na seletividade de herbicidas. Revista Verde De Agroecologia E Desenvolvimento Sustentável, 2016, 11, 174.	0.1	0
122	EFEITO DA APLICAÇÃO DE HERBICIDAS SUPOSTAMENTE ANTAGONICOS SOBRE PLANTAS DE ARROZ SUSCETÍVEIS A INIBIDORES DA ENZIMA ACCASE. Revista Brasileira De Herbicidas, 2020, 19, 714.	0.1	0
123	Response of imidazolinone-resistant and -susceptible weedy rice populations to imazethapyr and increased atmospheric CO2. Planta Daninha, 0, 38, .	0.5	0
124	Imidazolinone herbicide dissipation in rice fields as affected by intermittent and continuous irrigation. Advances in Weed Science, 2022, 40, .	1.2	0