

Irani Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,017
citations

361045

20
h-index

476904

29
g-index

52
all docs

52
docs citations

52
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel electrochemical piezoelectric label free immunosensor for aflatoxin B1 detection in groundnut. <i>Food Control</i> , 2015, 52, 60-70.	2.8	83
2	Environmental behaviour and translocation of imidacloprid in eggplant, cabbage and mustard. <i>Pest Management Science</i> , 2000, 56, 932-936.	1.7	51
3	Chromatographic techniques in the analysis of organochlorine pesticide residues. <i>Journal of Chromatography A</i> , 1996, 754, 33-42.	1.8	50
4	Organochlorine insecticide residues in drinking and ground water in and around Delhi. <i>Environmental Monitoring and Assessment</i> , 2002, 76, 185-193.	1.3	43
5	Effect of Moisture and Organic Manure on Persistence of Flubendiamide in Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 515-520.	1.3	37
6	Degradation of beta-Endosulfan by <i>Aspergillus Niger</i> . <i>Toxicological and Environmental Chemistry</i> , 1994, 46, 217-221.	0.6	36
7	Degradation of tricyclazole: Effect of moisture, soil type, elevated carbon dioxide and Blue Green Algae (BGA). <i>Journal of Hazardous Materials</i> , 2017, 321, 517-527.	6.5	35
8	Effect of Light and pH on Persistence of Flubendiamide. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 292-296.	1.3	34
9	Pesticides residues in vegetables in and around Delhi. <i>Environmental Monitoring and Assessment</i> , 2003, 86, 265-271.	1.3	33
10	Dissipation of Flubendiamide in/on Okra [<i>Abelmoschus esculenta</i> (L.) Moench] Fruits. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 381-384.	1.3	28
11	Effect of soil type and organic manure on adsorption-desorption of flubendiamide. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 403.	1.3	28
12	Leaching of Clothianidin in Two Different Indian Soils: Effect of Organic Amendment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 553-559.	1.3	28
13	Phytoextraction of Endosulfan a Remediation Technique. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 250-254.	1.3	27
14	Influence of microbial community on degradation of flubendiamide in two Indian soils. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3213-3219.	1.3	25
15	Persistence of spiromesifen in soil: influence of moisture, light, pH and organic amendment. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 7.	1.3	25
16	Degradation of chlorpyrifos by two soil fungi <i>Aspergillus niger</i> and <i>trichoderma viride</i> . <i>Toxicological and Environmental Chemistry</i> , 1996, 57, 145-151.	0.6	24
17	Residue behaviour of fenvalerate, tau-fluvalinate, lambda-cyhalothrin and monocrotophos in eggplant (<i>Solanum melongena</i> L.) fruits. <i>Pest Management Science</i> , 1992, 36, 175-179.	0.7	22
18	Layered construction of nano immuno-hybrid embedded MOF as an electrochemical sensor for rapid quantification of total pesticides load in vegetable extract. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114386.	1.9	22

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19	Determination of residues of endosulfan and endosulfan sulfate on eggplant, mustard and chickpea. <i>Pest Management Science</i> , 1993, 37, 67-72.	0.7	21
20	Interconversion of stereoisomers of endosulfan on chickpea crop under field conditions. <i>Pest Management Science</i> , 1994, 40, 103-106.	0.7	21
21	Determination of Pesticide Residue in Soil, Water and Grain from IPM and Non-IPM Field Trials of Rice. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 81, 373-376.	1.3	21
22	Flubendiamide Transport Through Packed Soil Columns. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 229-233.	1.3	21
23	Sludge Amendment Affect the Persistence, Carbon Mineralization and Enzyme Activity of Atrazine and Bifenthrin. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 291-298.	1.3	20
24	Effect of Organic Amendments on Degradation of Atrazine. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 832-835.	1.3	18
25	Mobility of spiromesifen in packed soil columns under laboratory conditions. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 7195-7202.	1.3	18
26	Degradation of flubendiamide as affected by elevated CO ₂ , temperature, and carbon mineralization rate in soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19931-19939.	2.7	18
27	Atmospheric CO ₂ Level and Temperature Affect Degradation of Pretilachlor and Butachlor in Indian Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 856-861.	1.3	18
28	Investigating Role of Abiotic Factors on Spinosad Dissipation. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 125-129.	1.3	17
29	Comparative assessment of pesticide residues in grain, soil, and water from IPM and non-IPM trials of basmati rice. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 361-366.	1.3	16
30	Metal Organic Framework steered electrosynthesis of anisotropic gold nanorods for specific sensing of organophosphate pesticides in vegetables collected from the field. <i>Nanoscale</i> , 2020, 12, 21719-21733.	2.8	15
31	Adsorption-desorption of tricyclazole: effect of soil types and organic matter. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 61.	1.3	12
32	Metsulfuron-methyl Herbicide on Dehydrogenase and Acid Phosphatase Enzyme Activity on Three Different Soils. <i>International Journal of Bio-resource and Stress Management</i> , 2017, 8, 236-241.	0.1	12
33	HCH, endosulfan, and fluvalinate residue behavior in pigeonpea (<i>Cajanus cajan</i> L. Millsp.). <i>Bulletin of Environmental Contamination and Toxicology</i> , 1992, 48, 163-70.	1.3	11
34	Persistence Behavior of Combination Mix Crop Protection Agents in/on Eggplant Fruits. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 338-343.	1.3	11
35	Influence of Organic Amendments on the Degradation of Endosulfan. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 334-339.	1.3	10
36	Low Cost Biomass Derived Biochar Amendment on Persistence and Sorption Behaviour of Flubendiamide in Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 261-269.	1.3	10

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37	Utilizing dissimilar feedstocks derived biochar amendments to alter soil biological indicators in acidic soil of Northeast India. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10203-10214.	2.9	10
38	Impact Analysis of IPM Programs in Basmati Rice by Estimation of Pesticide Residues. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 307-313.	1.3	9
39	Dissipation of deltamethrin, triazophos, and endosulfan in ready mix formulations in tomato (<i>Lycopersicon esculentum</i> L.) and Egg plant (<i>Solanum melongena</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 14169-14177.	2.7	9
40	Soil Amendment: A Technique for Soil Remediation of Lactofen. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 79, 49-52.	1.3	8
41	Alachlor and Metribuzin Herbicide on N ₂ -fixing Bacteria in a Sandy Loam soil. <i>International Journal of Bio-resource and Stress Management</i> , 2016, 7, 334-338.	0.1	8
42	An Elegant Synthesis of 2,2-Dimethyl-2H,5H-pyrano[3,2-c][1]benzopyran-5-ones. <i>Heterocycles</i> , 1984, 22, 223.	0.4	7
43	Dissipation pattern and risk assessment of flubendiamide on chili at different agro-climatic conditions in India. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 245.	1.3	7
44	A study of the possible interconversion of hexachlorocyclohexane stereoisomers on chickpea. <i>Pest Management Science</i> , 1993, 39, 61-64.	0.7	6
45	Assessment of Iprovalicarb, a Systemic Fungicide in/on Cabbage (<i>Brassica oleracea</i> var. capitata). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 341-347.	1.3	6
46	Propesticides and Their Implications. , 0, , .		6
47	Effect of Organic Amendment on Mobility Behavior of Flupyradifurone in Two Different Indian Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 160-166.	1.3	6
48	A laboratory study on adsorption-desorption behavior of flupyradifurone in two Indian soils: effect of soil properties and organic amendment. <i>Journal of Soils and Sediments</i> , 2022, 22, 2022-2035.	1.5	4
49	The Rearrangement of 3, 4-Dihydro-2, 2-Dimethy-2H, 5H-Pyrano [2, 3-b][1] Benzopyran-5-Ones With DDQ. <i>Synthetic Communications</i> , 1986, 16, 1671-1677.	1.1	3
50	New method for the determination of residues of oxydemeton methyl in mustard crop by gas chromatography of its sulphone. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 347, 126-128.	1.5	3
51	Methodology for the estimation of chlorothalonil and its metabolite in mustard crop by gas liquid chromatography. <i>Fresenius' Journal of Analytical Chemistry</i> , 1995, 351, 590-591.	1.5	2
52	Liquid chromatographic determination of iprovalicarb in cabbage and soil. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 157-61.	0.7	2