Â Inderjit

List of Publications by Year
in descending order

76 papers	6,366 citations	94433 37 h-index	85541 71 g-index
79 all docs	79 docs citations	79 times ranked	5705 citing authors

#	ARTICLE	IF	CITATIONS
1	Global exchange and accumulation of non-native plants. Nature, 2015, 525, 100-103.	27.8	746
2	Ecophysiological aspects of allelopathy. Planta, 2003, 217, 529-539.	3.2	440
3	Naturalized alien flora of the world. Preslia, 2017, 89, 203-274.	2.8	350
4	Plant phenolics in allelopathy. Botanical Review, The, 1996, 62, 186-202.	3.9	343
5	Impacts of soil microbial communities on exotic plant invasions. Trends in Ecology and Evolution, 2010, 25, 512-519.	8.7	315
6	The ecosystem and evolutionary contexts of allelopathy. Trends in Ecology and Evolution, 2011, 26, 655-662.	8.7	313
7	Evolutionary tradeoffs for nitrogen allocation to photosynthesis versus cell walls in an invasive plant. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1853-1856.	7.1	275
8	Emergent insights from the synthesis of conceptual frameworks for biological invasions. Ecology Letters, 2011, 14, 407-418.	6.4	269
9	Experimental designs for the study of allelopathy. Plant and Soil, 2003, 256, 1-11.	3.7	206
10	Soil Microorganisms: An Important Determinant of Allelopathic Activity. Plant and Soil, 2005, 274, 227-236.	3.7	188
11	Is separating resource competition from allelopathy realistic?. Botanical Review, The, 1997, 63, 221-230.	3.9	159
12	On laboratory bioassays in allelopathy. Botanical Review, The, 1995, 61, 28-44.	3.9	150
13	Plant allelochemical interference or soil chemical ecology?. Perspectives in Plant Ecology, Evolution and Systematics, 2001, 4, 3-12.	2.7	140
14	Taking Ecological Function Seriously: Soil Microbial Communities Can Obviate Allelopathic Effects of Released Metabolites. PLoS ONE, 2009, 4, e4700.	2.5	137
15	Allelopathy and plant invasions: traditional, congeneric, and bio-geographical approaches. Biological Invasions, 2008, 10, 875-890.	2.4	125
16	Bioassays and Field Studies for Allelopathy in Terrestrial Plants: Progress and Problems. Critical Reviews in Plant Sciences, 2003, 22, 221-238.	5.7	119
17	Volatile chemicals from leaf litter are associated with invasiveness of a Neotropical weed in Asia. Ecology, 2011, 92, 316-324.	3.2	109
18	Are Laboratory Bioassays for Allelopathy Suitable for Prediction of Field Responses?. , 2000, 26, 2111-2118.		108

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19	Can plant biochemistry contribute to understanding of invasion ecology?. Trends in Plant Science, 2006, 11, 574-580.	8.8	103
20	Community Impacts of Prosopis juliflora Invasion: Biogeographic and Congeneric Comparisons. PLoS ONE, 2012, 7, e44966.	2.5	99
21	New pasture plants intensify invasive species risk. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16622-16627.	7.1	85
22	Joint action of phenolic acid mixtures and its significance in allelopathy research. Physiologia Plantarum, 2002, 114, 422-428.	5.2	80
23	Phytotoxic Effects of (Â±)-Catechin In vitro, in Soil, and in the Field. PLoS ONE, 2008, 3, e2536.	2.5	75
24	Drivers of the relative richness of naturalized and invasive plant species on Earth. AoB PLANTS, 2019, 11, plz051.	2.3	72
25	Effect of phenolic compounds on selected soil properties. Forest Ecology and Management, 1997, 92, 11-18.	3.2	66
26	A quicker return energy-use strategy by populations of a subtropical invader in the non-native range: a potential mechanism for the evolution of increased competitive ability. Journal of Ecology, 2011, 99, 1116-1123.	4.0	66
27	Challenges, achievements and opportunities in allelopathy research. Journal of Plant Interactions, 2005, 1, 69-81.	2.1	61
28	Growth and physiological responses of Black Spruce (Picea mariana) to sites dominated byLedum groenlandicum. Journal of Chemical Ecology, 1996, 22, 575-585.	1.8	54
29	Effects of Ledum groenlandicum amendments on soil characteristics and black spruce seedling growth. Plant Ecology, 1997, 133, 29-36.	1.6	53
30	Root Exudates: an Overview. Ecological Studies, 2003, , 235-255.	1.2	53
31	Allelopathic effect of <i>P</i><i>luchea lanceolata</i> (Asteraceae) on characteristics of four soils and tomato and mustard growth. American Journal of Botany, 1994, 81, 799-804.	1.7	52
32	Inhibitory effects of <i>Eucalyptus globulus</i> on understorey plant growth and species richness are greater in nonâ€native regions. Global Ecology and Biogeography, 2018, 27, 68-76.	5.8	52
33	Sorption of benzoic acid onto soil colloids and its implications for allelopathy studies. Biology and Fertility of Soils, 2004, 40, 345-348.	4.3	50
34	Experimental complexities in evaluating the allelopathic activities in laboratory bioassays: A case study. Soil Biology and Biochemistry, 2006, 38, 256-262.	8.8	46
35	Formononetin 7-O-glucoside (ononin), an additional growth inhibitor in soils associated with the weed,Pluchea lanceolata (DC) C.B. Clarke (Asteraceae). Journal of Chemical Ecology, 1992, 18, 713-718.	1.8	44
36	Investigations on some aspects of chemical ecology of cogongrass,Imperata cylindrica (L.) Beauv.. Journal of Chemical Ecology, 1991, 17, 343-352.	1.8	43

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37	Naturalized alien flora of the Indian states: biogeographic patterns, taxonomic structure and drivers of species richness. Biological Invasions, 2018, 20, 1625-1638.	2.4	42
38	Linkages of plant-soil feedbacks and underlying invasion mechanisms. AoB PLANTS, 2015, 7, plv022-plv022.	2.3	40
39	Allelopathic Effect of Pluchea lanceolata (Asteraceae) on Characteristics of Four Soils and Tomato and Mustard Growth. American Journal of Botany, 1994, 81, 799.	1.7	40
40	Hesperetin 7-rutinoside (hesperidin) and taxifolin 3-arabinoside as germination and growth inhibitors in soils associated with the weed,Pluchea lanceolata (DC) C.B. Clarke (Asteraceae). Journal of Chemical Ecology, 1991, 17, 1585-1591.	1.8	39
41	Arbuscular mycorrhizal fungi facilitate growth and competitive ability of an exotic species Flaveria bidentis. Soil Biology and Biochemistry, 2017, 115, 275-284.	8.8	37
42	Effects of invasion of Mikania micrantha on germination of rice seedlings, plant richness, chemical properties and respiration of soil. Biology and Fertility of Soils, 2012, 48, 481-488.	4.3	36
43	Allelopathic potential of the phenolics from the roots of Pluchea lanceolata. Physiologia Plantarum, 1994, 92, 571-576.	5.2	33
44	The ecology of biological invasions: past, present and future. , 2005, , 19-43.		33
45	Plant Invasions: Habitat Invasibility and Dominance of Invasive Plant Species. Plant and Soil, 2005, 277, 1-5.	3.7	27
46	The nature of the interference potential ofPluchea lanceolata (DC) C B Clarke (Asteraceae). Plant and Soil, 1990, 122, 298-302.	3.7	24
47	Influence of Pluchea lanceolata (Asteraceae) on selected soil properties. American Journal of Botany, 1998, 85, 64-69.	1.7	24
48	Interaction of 8-Hydroxyquinoline with Soil Environment Mediates Its Ecological Function. PLoS ONE, 2010, 5, e12852.	2.5	24
49	Belowground feedbacks as drivers of spatial self-organization and community assembly. Physics of Life Reviews, 2021, 38, 1-24.	2.8	23
50	Use of silenced plants in allelopathy bioassays: a novel approach. Planta, 2009, 229, 569-575.	3.2	22
51	INTERFERENCE POTENTIAL OF PLUCHEA LANCEOLATA (ASTERACEAE): GROWTH AND PHYSIOLOGICAL RESPONSES OF ASPARAGUS BEAN, VIGNA UNGUICULATA VAR. SESQUIPEDALIS. American Journal of Botany, 1992, 79, 977-981.	1.7	21
52	Effect of herbicides with different modes of action on physiological and cellular traits of Anabaena fertilissima. Paddy and Water Environment, 2010, 8, 277-282.	1.8	21
53	Soils and the conditional allelopathic effects of a tropical invader. Soil Biology and Biochemistry, 2014, 78, 316-325.	8.8	21
54	Impact of (Â±)-catechin on soil microbial communities. Communicative and Integrative Biology, 2009, 2, 127-129.	1.4	19

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55	Novel chemicals engender myriad invasion mechanisms. New Phytologist, 2021, 232, 1184-1200.	7.3	18
56	Exotic Plant Invasion in the Context of Plant Defense against Herbivores Â. Plant Physiology, 2012, 158, 1107-1114.	4.8	17
57	Activities of mixtures of soil-applied herbicides with different molecular targets. Pest Management Science, 2006, 62, 1092-1097.	3.4	16
58	Effect of cultivation on allelopathic interference success of the weed,Pluchea lanceolata. Journal of Chemical Ecology, 1994, 20, 1179-1188.	1.8	15
59	Impact of nitrogen availability and soil communities on biomass accumulation of an invasive species. AoB PLANTS, 2013, 5, plt045-plt045.	2.3	13
60	Insights on the persistence of pines (<i>Pinus</i> species) in the Late Cretaceous and their increasing dominance in the Anthropocene. Ecology and Evolution, 2018, 8, 10345-10359.	1.9	13
61	Exotic Prosopis juliflora suppresses understory diversity and promotes agricultural weeds more than a native congener. Plant Ecology, 2020, 221, 659-669.	1.6	13
62	Interference Potential of Pluchea lanceolata (Asteraceae): Growth and Physiological Responses of Asparagus Bean, Vigna Unguiculata Var. Sesquipedalis. American Journal of Botany, 1992, 79, 977.	1.7	13
63	A framework for understanding humanâ€driven vegetation change. Oikos, 2017, 126, 1687-1698.	2.7	12
64	Community-level determinants of smooth brome (Bromus inermis) growth and survival in the aspen parkland. Plant Ecology, 2016, 217, 1395-1413.	1.6	11
65	Allelopathic potential of well water fromPluchea lanceolata-infested cultivated fields. Journal of Chemical Ecology, 1996, 22, 1123-1131.	1.8	9
66	Phytotoxicity of isoxaflutole to Phalaris minor Retz.. Plant and Soil, 2004, 258, 161-168.	3.7	9
67	The world needs BRICS countries to build capacity in invasion science. PLoS Biology, 2019, 17, e3000404.	5.6	9
68	Oryza sativa straw restricts Phalaris minor growth: allelochemicals or soil resource manipulation?. Biology and Fertility of Soils, 2007, 43, 557-563.	4.3	7
69	Effect of Rice Straw Incorporation on Phytotoxicity of Isoxaflutole to an Exotic Weed Phalaris minor Retz.. Plant and Soil, 2005, 277, 35-40.	3.7	6
70	Phytotoxicity and fate of 1,1,2-trichloroethylene: a laboratory study. Journal of Chemical Ecology, 2003, 29, 1329-1335.	1.8	4
71	Quercetin and Quercitrin from <i>Pluchea lanceolata</i> and Their Effect on Growth of Asparagus Bean. ACS Symposium Series, 1994, , 86-93.	0.5	3
72	Interference potential of Sorghum halepense on soil and plant seedling growth. Plant and Soil, 2017, 418, 219-230.	3.7	3

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73	Reply to ProenÃ§a et al.: Sown biodiverse pastures are not a universal solution to invasion risk. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1696.	7.1	1
74	Principles in Weed Management.â€"R. J. Aldrich and R. J. Kremer, 1997, 2nd ed, Iowa State University Press, Ames, Iowa 50014, 455 p. ISBN 0-8138-2023-5 (hardcover) $64.95.. Weed Technology, 1997, 11, 864-865.	0.9	0
75	Introduction to the Special Issue: The role of soil microbial-driven belowground processes in mediating exotic plant invasions. AoB PLANTS, 2015, 7, plv052.	2.3	0
76	Vegetation patterning and biodiversity of plant communities. Physics of Life Reviews, 2022, 42, 29-32.	2.8	0