Jay Ram Lamichhane

List of Publications by Year
in descending order

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79	3,588	186265	155660
papers	citations	28 h-index	55 g-index

82	82	82	4129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eight principles of integrated pest management. Agronomy for Sustainable Development, 2015, 35, 1199-1215.	5.3	527
2	Thirteen decades of antimicrobial copper compounds applied in agriculture. A review. Agronomy for Sustainable Development, 2018, 38, 1.	5.3	345
3	Synergisms between microbial pathogens in plant disease complexes: a growing trend. Frontiers in Plant Science, 2015, 06, 385.	3.6	335
4	Toward a Reduced Reliance on Conventional Pesticides in European Agriculture. Plant Disease, 2016, 100, 10-24.	1.4	289
5	Integrated management of damping-off diseases. A review. Agronomy for Sustainable Development, 2017, 37, 1.	5.3	162
6	Robust cropping systems to tackle pests under climate change. A review. Agronomy for Sustainable Development, 2015, 35, 443-459.	5.3	103
7	Abiotic and biotic factors affecting crop seed germination and seedling emergence: a conceptual framework. Plant and Soil, 2018, 432, 1-28.	3.7	101
8	Revisiting Sustainability of Fungicide Seed Treatments for Field Crops. Plant Disease, 2020, 104, 610-623.	1.4	100
9	Insights into epidemiology and control of diseases of annual plants caused by the Pseudomonas syringae species complex. Journal of General Plant Pathology, 2015, 81, 331-350.	1.0	94
10	The overlapping continuum of host range among strains in the Pseudomonas syringae complex. Phytopathology Research, 2019, 1, .	2.4	75
11	A framework to gauge the epidemic potential of plant pathogens in environmental reservoirs: the example of kiwifruit canker. Molecular Plant Pathology, 2015, 16, 137-149.	4.2	70
12	Xanthomonas arboricolaDiseases of Stone Fruit, Almond, and Walnut Trees: Progress Toward Understanding and Management. Plant Disease, 2014, 98, 1600-1610.	1.4	65
13	Disease and Frost Damage of Woody Plants Caused by Pseudomonas syringae. Advances in Agronomy, 2014, , 235-295.	5.2	63
14	Pesticide use and risk reduction in European farming systems with IPM: An introduction to the special issue. Crop Protection, 2017, 97, 1-6.	2.1	60
15	Integrated weed management systems with herbicide-tolerant crops in the European Union: lessons learnt from home and abroad. Critical Reviews in Biotechnology, 2017, 37, 459-475.	9.0	59
16	Epiphytic Curtobacterium flaccumfaciens strains isolated from symptomless solanaceous vegetables are pathogenic on leguminous but not on solanaceous plants. Plant Pathology, 2018, 67, 388-398.	2.4	53
17	Analysis of soybean germination, emergence, and prediction of a possible northward establishment of the crop under climate change. European Journal of Agronomy, 2020, 113, 125972.	4.1	49
18	Identifying obstacles and ranking common biological control research priorities for Europe to manage most economically important pests in arable, vegetable and perennial crops. Pest Management Science, 2017, 73, 14-21.	3.4	47

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19	Challenges and opportunities for integrated pest management in Europe: A telling example of minor uses. Crop Protection, 2015, 74, 42-47.	2.1	45
20	Occurrence and Characterization of the Bacterial Spot Pathogen <scp>X</scp>anthomonas euvesicatoria on Pepper in Iran. Journal of Phytopathology, 2016, 164, 722-734.	1.0	43
21	Monitoring the occurrence of tomato bacterial spot and range of the causal agent Xanthomonas perforans in Iran. Plant Pathology, 2017, 66, 990-1002.	2.4	42
22	Networking of integrated pest management: A powerful approach to address common challenges in agriculture. Crop Protection, 2016, 89, 139-151.	2.1	38
23	Pathogenicity and phylogenetic analysis of Clavibacter michiganensis strains associated with tomato plants in Iran. Plant Pathology, 2018, 67, 957-970.	2.4	37
24	Diversity of methodologies to experiment Integrated Pest Management in arable cropping systems: Analysis and reflections based on a European network. European Journal of Agronomy, 2017, 83, 86-99.	4.1	36
25	Molecular mechanisms underlying the emergence of bacterial pathogens: an ecological perspective. Molecular Plant Pathology, 2016, 17, 303-310.	4.2	34
26	Rising risks of late-spring frosts in a changing climate. Nature Climate Change, 2021, 11, 554-555.	18.8	34
27	Epidemiological Study of Hazelnut Bacterial Blight in Central Italy by Using Laboratory Analysis and Geostatistics. PLoS ONE, 2013, 8, e56298.	2.5	30
28	Occurrence and characterization of a new red-pigmented variant of Curtobacterium flaccumfaciens, the causal agent of bacterial wilt of edible dry beans in Iran. European Journal of Plant Pathology, 2016, 146, 129-145.	1.7	30
29	Epiphytic growth of Xanthomonas arboricola and Xanthomonas citri on nonâ€host plants. Plant Pathology, 2018, 67, 660-670.	2.4	30
30	Host range and phylogenetic analysis of Xanthomonas alfalfae causing bacterial leaf spot of alfalfa in Iran. European Journal of Plant Pathology, 2018, 150, 267-274.	1.7	29
31	Cover crops promote primary crop yield in China: A meta-regression of factors affecting yield gain. Field Crops Research, 2021, 271, 108237.	5.1	29
32	<scp>X</scp>anthomonas arboricola disease of hazelnut: current status and future perspectives for its management. Plant Pathology, 2014, 63, 243-254.	2.4	28
33	Understanding Why Effective Fungicides Against Individual Soilborne Pathogens Are Ineffective with Soilborne Pathogen Complexes. Plant Disease, 2020, 104, 904-920.	1.4	27
34	Characterization, geographic distribution and host range of Curtobacterium flaccumfaciens: An emerging bacterial pathogen in Iran. Crop Protection, 2015, 78, 185-192.	2.1	26
35	Research and innovation priorities as defined by the Ecophyto plan to address current crop protection transformation challenges in France. Advances in Agronomy, 2019, 154, 81-152.	5.2	22
36	Soil and plant health in relation to dynamic sustainment of Eh and pH homeostasis: A review. Plant and Soil, 2021, 466, 391-447.	3.7	22

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37	Pathogenicity, host range and phylogenetic position of Agrobacterium species associated with sugar beet crown gall outbreaks in Southern Iran. European Journal of Plant Pathology, 2017, 147, 721-730.	1.7	20
38	Parsimonious Use of Pesticide-Treated Seeds: An Integrated Pest Management Framework. Trends in Plant Science, 2020, 25, 1070-1073.	8.8	20
39	Multilocus sequence analysis reveals a novel phylogroup of Xanthomonas euvesicatoria pv. perforans causing bacterial spot of tomato in Iran. Plant Pathology, 2018, 67, 1601-1611.	2.4	19
40	Advocating a need for suitable breeding approaches to boost integrated pest management: a European perspective. Pest Management Science, 2018, 74, 1219-1227.	3.4	18
41	Ecosystem services of cover crops: a research roadmap. Trends in Plant Science, 2022, 27, 758-768.	8.8	18
42	A new medium for the detection of fluorescent pigment production by pseudomonads. Plant Pathology, 2013, 62, 624-632.	2.4	17
43	Editorial: Impacts of COVID-19 on global plant health and crop protection and the resulting effect on global food security and safety. Crop Protection, 2021, 139, 105383.	2.1	17
44	Early-Stage Phenotyping of Root Traits Provides Insights into the Drought Tolerance Level of Soybean Cultivars. Agronomy, 2021, 11, 188.	3.0	17
45	First report of olive knot caused by Pseudomonas savastanoi pv. savastanoi in Nepal. Plant Pathology, 2009, 58, 393-393.	2.4	16
46	Mutability in <scp>P</scp>seudomonas viridiflava as a programmed balance between antibiotic resistance and pathogenicity. Molecular Plant Pathology, 2015, 16, 860-869.	4.2	15
47	Plant pathogenic bacteria in open irrigation systems: what risk for crop health?. Plant Pathology, 2015, 64, 757-766.	2.4	15
48	A call for stakeholders to boost integrated pest management in Europe: a vision based on the three-year European research area network project. International Journal of Pest Management, 2018, 64, 352-358.	1.8	15
49	Whole-Genome Sequencing of 10 Pseudomonas syringae Strains Representing Different Host Range Spectra. Genome Announcements, 2015, 3, .	0.8	13
50	Research and Development Priorities in the Face of Climate Change and Rapidly Evolving Pests. Sustainable Agriculture Reviews, 2015, , 1-27.	1.1	13
51	Biological seed treatments promote crop establishment and yield: a global meta-analysis. Agronomy for Sustainable Development, 2022, 42, .	5.3	13
52	Bacterial Diseases of Crops. Advances in Agronomy, 2015, , 227-246.	5.2	12
53	Epiphytic Pseudomonas savastanoi pv. savastanoi can infect and cause olive knot disease on Olea europaea subsp. cuspidata. Australasian Plant Pathology, 2013, 42, 219-225.	1.0	11
54	Summer Heat and Low Soil Organic Matter Influence Severity of Hazelnut Cytospora Canker. Phytopathology, 2014, 104, 387-395.	2.2	11

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55	Will climate change affect sugar beet establishment of the 21st century? Insights from a simulation study using a crop emergence model. Field Crops Research, 2019, 238, 64-73.	5.1	11
56	Combining Experimental and Modeling Approaches to Understand Genotype x Sowing Date x Environment Interaction Effects on Emergence Rates and Grain Yield of Soybean. Frontiers in Plant Science, 2020, 11, 558855.	3.6	11
57	Phenotypic and genetic characterization of Pseudomonas syringae strains associated with the recent citrus bacterial blast and bacterial black pit epidemics in Tunisia. Plant Pathology, 2017, 66, 1081-1093.	2.4	8
58	Severe Outbreak of Bacterial Canker Caused by Clavibacter michiganensis subsp. michiganensis on Tomato in Central Italy. Plant Disease, 2011, 95, 221-221.	1.4	8
59	Emerging Hazelnut Cultivation and the Severe Threat of Bacterial Blight in <scp>C</scp>hile. Journal of Phytopathology, 2012, 160, 752-754.	1.0	7
60	Effect of two-component cultivar mixtures on development of wheat yellow rust disease in the field and greenhouse in the Nepal Himalayas. Journal of General Plant Pathology, 2017, 83, 131-139.	1.0	7
61	Challenges With Managing Disease Complexes During Application of Different Measures Against Foliar Diseases of Field Pea. Plant Disease, 2021, 105, 616-627.	1.4	7
62	Post-emergence seedling damage due to vertebrate pests and its impact on soybean establishment. PeerJ, 2021, 9, e11106.	2.0	7
63	Crop Establishment SIMulator: A Qualitative Aggregative Model to Predict the Role of Phytobiomes on Field Crop Establishment. Phytobiomes Journal, 2020, 4, 327-339.	2.7	7
64	Severe Outbreak of Bacterial Blight Caused by Xanthomonas arboricola pv. corylina on Hazelnut cv. Tonda di Giffoni in Central Italy. Plant Disease, 2012, 96, 1577-1577.	1.4	7
65	Use of Geographic Information System and Direct Survey Methods to Detect Spatial Distribution of Wild Olive (Olea cuspidataWall.) from High Mountain Forests of Northwestern Nepal. Journal of Sustainable Forestry, 2012, 31, 674-686.	1.4	6
66	Bacterial speck caused by Pseudomonas syringae pv. tomato race 0: first report in Nepal. Plant Pathology, 2010, 59, 401-401.	2.4	5
67	Sowing and seedbed management methods to improve establishment and yield of maize, rice and wheat across drought-prone regions: A review. Journal of Agriculture and Food Research, 2020, 2, 100089.	2.5	5
68	Seedbed structure of major field crops as affected by cropping systems and climate: Results of a 15-year field trial. Soil and Tillage Research, 2021, 206, 104845.	5.6	5
69	Effect of Early and Conventional Sowings on Soybean Establishment Quality, Nodulation, and Early Biomass Development Under Inoculation with Rhizoctonia solani. PhytoFrontiers, 0, , PHYTOFR-12-20-0.	1.6	3
70	Genetic Variability for Early Growth Traits in Second Season Sunflower. Frontiers in Agronomy, 2022, 4, .	3.3	3
71	Effect of cropping systems and climate on soil physical characteristics, field crop emergence and yield: A dataset from a 19-year field experiment. Data in Brief, 2021, 39, 107581.	1.0	3
72	Editorial - Crop health in agroforestry systems: An introduction to the special issue. Crop Protection, 2020, 134, 105187.	2.1	2

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73	Unveiling the unknown: knowledge and risk perception about the planting of pesticide-treated seed among French arable farmers. Journal of Plant Diseases and Protection, 2021, 128, 501-509.	2.9	2
74	Editorial - Impact assessment, ecology and management of animal pests affecting field crop establishment: An introduction to the special issue. Crop Protection, 2021, 150, 105779.	2.1	2
75	Genotypic differences in root traits to design drought-avoiding soybean ideotypes. OCL - Oilseeds and Fats, Crops and Lipids, 2022, 29, 26.	1.4	2
76	Occurrence of Potato Soft Rot Caused by Erwinia carotovora (synonym Pectobacterium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (c	1.4	1
77	Comparison of methods used in the recovery of Phylloplane bacteria: a case study of Pseudomonas savastanoi pv. savastanoi applied to the Phylloplane of Olea europaea sub-species. Journal of Plant Protection Research, 2014, 54, 22-27.	1.0	1
78	Olive Knot Pathogen with Pronounced Epiphytic Lifestyle is not Present in Association to Leaf Surface of European Olive Across the Himalayas in Nepal. Journal of Phytopathology, 2014, 162, 170-179.	1.0	0
79	Extensive Field Survey, Laboratory and Greenhouse Studies Reveal Complex Nature of Pseudomonas syringae-Associated Hazelnut Decline in Central Italy. PLoS ONE, 2016, 11, e0147584.	2.5	0