

# Imran Amin

## List of Publications by Year in descending order

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75  
papers

3,138  
citations

186265

28  
h-index

161849

54  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity of DNA $\hat{1}^2$ , a satellite molecule associated with some monopartite begomoviruses. <i>Virology</i> , 2003, 312, 106-121.	2.4	391
2	Molecular characterization of geminivirus-derived small RNAs in different plant species. <i>Nucleic Acids Research</i> , 2006, 34, 462-471.	14.5	249
3	Diversity of DNA 1: a satellite-like molecule associated with monopartite begomovirusâ€™DNA $\hat{1}^2$ complexes. <i>Virology</i> , 2004, 324, 462-474.	2.4	203
4	Engineering novel traits in plants through RNA interference. <i>Trends in Plant Science</i> , 2006, 11, 559-565.	8.8	148
5	Suppressors of RNA Silencing Encoded by the Components of the Cotton Leaf Curl Begomovirus-BetaSatellite Complex. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 973-983.	2.6	133
6	<i>Tomato leaf curl New Delhi virus</i> : a widespread bipartite begomovirus in the territory of monopartite begomoviruses. <i>Molecular Plant Pathology</i> , 2017, 18, 901-911.	4.2	106
7	Cotton leaf curl disease in resistant cotton is associated with a single begomovirus that lacks an intact transcriptional activator protein. <i>Virus Research</i> , 2010, 152, 153-163.	2.2	104
8	Contribution of the satellite encoded gene $\hat{1}^2$ C1 to cotton leaf curl disease symptoms. <i>Virus Research</i> , 2007, 128, 135-139.	2.2	95
9	A common set of developmental miRNAs are upregulated in <i>Nicotiana benthamiana</i> by diverse begomoviruses. <i>Virology Journal</i> , 2011, 8, 143.	3.4	86
10	The Cotton Wall-Associated Kinase GhWAK7A Mediates Responses to Fungal Wilt Pathogens by Complexing with the Chitin Sensory Receptors. <i>Plant Cell</i> , 2020, 32, 3978-4001.	6.6	80
11	Frequent Occurrence of Tomato Leaf Curl New Delhi Virus in Cotton Leaf Curl Disease Affected Cotton in Pakistan. <i>PLoS ONE</i> , 2016, 11, e0155520.	2.5	77
12	Nutrients Can Enhance the Abundance and Expression of Alkane Hydroxylase CYP153 Gene in the Rhizosphere of Ryegrass Planted in Hydrocarbon-Polluted Soil. <i>PLoS ONE</i> , 2014, 9, e111208.	2.5	75
13	The hypersensitive response induced by the V2 protein of a monopartite begomovirus is countered by the C2 protein. <i>Molecular Plant Pathology</i> , 2010, 11, 245-254.	4.2	74
14	Artificial microRNA-mediated resistance against the monopartite begomovirus Cotton leaf curl Burewala virus. <i>Virology Journal</i> , 2013, 10, 231.	3.4	74
15	Successful phytoremediation of crude-oil contaminated soil at an oil exploration and production company by plants-bacterial synergism. <i>International Journal of Phytoremediation</i> , 2018, 20, 675-681.	3.1	70
16	Precise CRISPR-Cas9 Mediated Genome Editing in Super Basmati Rice for Resistance Against Bacterial Blight by Targeting the Major Susceptibility Gene. <i>Frontiers in Plant Science</i> , 2020, 11, 575.	3.6	70
17	Enhancement of oil field-produced wastewater remediation by bacterially-augmented floating treatment wetlands. <i>Chemosphere</i> , 2019, 217, 576-583.	8.2	66
18	The Merging of Two Dynastiesâ€™ Identification of an African Cotton Leaf Curl Disease-Associated Begomovirus with Cotton in Pakistan. <i>PLoS ONE</i> , 2011, 6, e20366.	2.5	61

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19	Targeting Plant ssDNA Viruses with Engineered Miniature CRISPR-Cas14a. Trends in Biotechnology, 2019, 37, 800-804.	9.3	54
20	Cotton leaf curl disease in Sindh province of Pakistan is associated with recombinant begomovirus components. Virus Research, 2010, 153, 161-165.	2.2	51
21	Comparison of phenotypes produced in response to transient expression of genes encoded by four distinct begomoviruses in <i>Nicotiana benthamiana</i> and their correlation with the levels of developmental miRNAs. Virology Journal, 2011, 8, 238.	3.4	51
22	Effects of genetic changes to the begomovirus/betasatellite complex causing cotton leaf curl disease in South Asia post-resistance breaking. Virus Research, 2014, 186, 114-119.	2.2	48
23	Multiple begomoviruses found associated with cotton leaf curl disease in Pakistan in early 1990 are back in cultivated cotton. Scientific Reports, 2017, 7, 680.	3.3	48
24	RNA interference-based resistance in transgenic tomato plants against Tomato yellow leaf curl virus-Oman (TYLCV-OM) and its associated betasatellite. Virology Journal, 2015, 12, 38.	3.4	46
25	Molecular insight into cotton leaf curl geminivirus disease resistance in cultivated cotton ( <i>Gossypium hirsutum</i> ). Plant Biotechnology Journal, 2020, 18, 691-706.	8.3	44
26	An Insight into Cotton Leaf Curl Multan Betasatellite, the Most Important Component of Cotton Leaf Curl Disease Complex. Viruses, 2017, 9, 280.	3.3	37
27	The Rep proteins encoded by alphasatellites restore expression of a transcriptionally silenced green fluorescent protein transgene in <i>Nicotiana benthamiana</i> . VirusDisease, 2019, 30, 101-105.	2.0	35
28	Real-time quantitative PCR assay for the quantification of virus and satellites causing leaf curl disease in cotton in Pakistan. Journal of Virological Methods, 2017, 248, 54-60.	2.1	32
29	Molecular characterisation of Banana bunchy top virus (BBTV) from Pakistan. Virus Genes, 2008, 36, 191-198.	1.6	31
30	CRISPR-Cas13a: Prospects for Plant Virus Resistance. Trends in Biotechnology, 2018, 36, 1207-1210.	9.3	31
31	<i>Ageratum enation virus</i> —A Begomovirus of Weeds with the Potential to Infect Crops. Viruses, 2015, 7, 647-665.	3.3	29
32	Virus-Induced Gene Silencing in Cultivated Cotton ( <i>Gossypium</i> spp.) Using Tobacco Rattle Virus. Molecular Biotechnology, 2016, 58, 65-72.	2.4	29
33	Transcriptomic analysis of cultivated cotton <i>Gossypium hirsutum</i> provides insights into host responses upon whitefly-mediated transmission of cotton leaf curl disease. PLoS ONE, 2019, 14, e0210011.	2.5	28
34	Identification of a major pathogenicity determinant and suppressors of RNA silencing encoded by a South Pacific isolate of Banana bunchy top virus originating from Pakistan. Virus Genes, 2011, 42, 272-281.	1.6	25
35	Whole genome sequencing of Asia II 1 species of whitefly reveals that genes involved in virus transmission and insecticide resistance have genetic variances between Asia II 1 and MEAM1 species. BMC Genomics, 2019, 20, 507.	2.8	25
36	Evaluation of carbon nanotube based copper nanoparticle composite for the efficient detection of agroviruses. Journal of Hazardous Materials, 2018, 346, 27-35.	12.4	24

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37	Improvement of Soybean; A Way Forward Transition from Genetic Engineering to New Plant Breeding Technologies. <i>Molecular Biotechnology</i> , 2023, 65, 162-180.	2.4	24
38	RNA interference-based resistance against a legume mastrevirus. <i>Virology Journal</i> , 2011, 8, 499.	3.4	23
39	Amplicon-Based RNA Interference Targeting V2 Gene of Cotton Leaf Curl Kokhran Virus-Burewala Strain Can Provide Resistance in Transgenic Cotton Plants. <i>Molecular Biotechnology</i> , 2016, 58, 807-820.	2.4	19
40	Identification of a dicot infecting mastrevirus along with alpha- and betasatellite associated with leaf curl disease of spinach ( <i>Spinacia oleracea</i> ) in Pakistan. <i>Virus Research</i> , 2018, 256, 174-182.	2.2	18
41	Both malvaceous and non-malvaceous betasatellites are associated with two wild cotton species grown under field conditions in Pakistan. <i>Virus Genes</i> , 2010, 41, 417-424.	1.6	17
42	Regional Changes in the Sequence of Cotton Leaf Curl Multan Betasatellite. <i>Viruses</i> , 2014, 6, 2186-2203.	3.3	17
43	In silico identification of conserved miRNAs and their selective target gene prediction in indicine ( <i>Bos Tj</i> ETQq1 1 0,784314 rgBT /Overl... 2.5 15	2.5	15
44	In silico Prediction and Validations of Domains Involved in <i>Gossypium hirsutum</i> SnRK1 Protein Interaction With Cotton Leaf Curl Multan Betasatellite Encoded Î²C1. <i>Frontiers in Plant Science</i> , 2019, 10, 656.	3.6	15
45	Association of three begomoviruses and a betasatellite with leaf curl disease of basil in Oman. <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 506-513.	1.4	11
46	<i>Sesbania bispinosa</i> , a new host of a begomovirus-betasatellite complex in Pakistan. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 107-111.	1.4	11
47	Recombination Among Begomoviruses on Malvaceous Plants Leads to the Evolution of <i>Okra Enation Leaf Curl Virus</i> in Pakistan. <i>Journal of Phytopathology</i> , 2015, 163, 764-776.	1.0	10
48	Î²C1, pathogenicity determinant encoded by Cotton leaf curl Multan betasatellite, interacts with calmodulin-like protein 11 (Gh-CML11) in <i>Gossypium hirsutum</i> . <i>PLoS ONE</i> , 2019, 14, e0225876.	2.5	10
49	Begomovirus and Associated Satellite Components Infecting Cluster Bean ( <i>Cyamopsis tetragonoloba</i> ) in Pakistan. <i>Journal of Phytopathology</i> , 2017, 165, 115-122.	1.0	9
50	Development of a LAMP assay using a portable device for the real-time detection of cotton leaf curl disease in field conditions. <i>Biology Methods and Protocols</i> , 2021, 6, bpab010.	2.2	9
51	Bioaugmentation-Enhanced Remediation of Crude Oil Polluted Water in Pilot-Scale Floating Treatment Wetlands. <i>Water (Switzerland)</i> , 2021, 13, 2882.	2.7	9
52	Dominance of Asia II 1 species of <i>Bemisia tabaci</i> in Pakistan and beyond. <i>Scientific Reports</i> , 2022, 12, 1528.	3.3	9
53	Infectivity of okra enation leaf curl virus and the role of its V2 protein in pathogenicity. <i>Virus Research</i> , 2018, 255, 90-94.	2.2	8
54	Mini CRISPR-Cas12f1: a new genome editing tool. <i>Trends in Plant Science</i> , 2022, 27, 110-112.	8.8	8

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55	Analysis of a tetraploid cotton line Mac7 transcriptome reveals mechanisms underlying resistance against the whitefly <i>Bemisia tabaci</i> . <i>Gene</i> , 2022, 820, 146200.	2.2	8
56	Characterization of resistance gene analogs from <i>Gossypium arboreum</i> and their evolutionary relationships with homologs from tetraploid cottons. <i>Euphytica</i> , 2011, 178, 351-362.	1.2	7
57	Tobacco Rattle Virus-Based Silencing of Enoyl-CoA Reductase Gene and Its Role in Resistance Against Cotton Wilt Disease. <i>Molecular Biotechnology</i> , 2017, 59, 241-250.	2.4	7
58	Characterization of a Begomovirus-Betasatellite Complex, Producing Defective Molecules in Spinach ( <i>Spinacia oleracea</i> L.), a New Host for Begomovirus and Betasatellite Complex in Pakistan. <i>Plant Pathology Journal</i> , 2017, 33, 514-521.	1.7	7
59	Further changes in the cotton leaf curl disease complex: an indication of things to come?. <i>Virus Genes</i> , 2017, 53, 759-761.	1.6	6
60	Non-cultivated Cotton Species ( <i>Gossypium</i> spp.) Act as a Reservoir for Cotton Leaf Curl Begomoviruses and Associated Satellites. <i>Plants</i> , 2019, 8, 127.	3.5	5
61	Identification of "Malvastrum yellow vein Lahore virus" a proposed new species of begomovirus in association with cotton leaf curl Multan betasatellite infecting green bean ( <i>Phaseolus vulgaris</i> ) in Pakistan. <i>Australasian Plant Disease Notes</i> , 2019, 14, 1.	0.7	4
62	Biologically prepared copper-graphene nanohybrid as the interface of microchips for sensitive detection of crop viruses. <i>Journal of Materials Research and Technology</i> , 2021, 12, 727-738.	5.8	4
63	Amplicon-based RNAi construct targeting beta-C1 gene gives enhanced resistance against cotton leaf curl disease. <i>3 Biotech</i> , 2021, 11, 256.	2.2	4
64	Virus detection using nanobiosensors. , 2022, , 547-572.		3
65	Molecular characterization of a new synthetic cry2ab gene in <i>Nicotiana tabacum</i> . <i>Biotechnology Letters</i> , 2013, 35, 969-974.	2.2	2
66	Effects of the transient expression of heterologous RNA virus-encoded silencing suppressors on the infectivity and systemic movement of tomato leaf curl New Delhi virus. <i>Australasian Plant Pathology</i> , 2020, 49, 531-540.	1.0	1
67	First report of pepper leaf curl Bangladesh virus (PeplCBV) associated with cotton leaf curl Multan betasatellite on kidney bean ( <i>Phaseolus vulgaris</i> ) in Pakistan. <i>Journal of Plant Pathology</i> , 2020, 102, 917-918.	1.2	1
68	Functional identification of <i>G. hirsutum</i> genes for their role in normal plant development and resistance against <i>Verticillium dahliae</i> using virus-induced gene silencing. <i>European Journal of Plant Pathology</i> , 0, , 1.	1.7	1
69	Transgenic Expression of Synthetic Coat Protein and Synthetic Replication Associated Protein Produces Mild Symptoms and Reduce Begomovirus-Betasatellite Accumulation in <i>Nicotiana benthamiana</i> . <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	1
70	Methods for design and fabrication of nanosensors. , 2022, , 53-79.		1
71	Multiple alphasatellites associated with Papaya leaf curl virus and Croton yellow mosaic betasatellite in <i>Croton bonplandianus</i> : first identification of Ageratum yellow vein Singapore alphasatellite in Pakistan. <i>European Journal of Plant Pathology</i> , 2019, 155, 1353-1361.	1.7	0
72	Cotton leaf curl Kokhran virus in association with Chili leaf curl betasatellite infecting mungbean ( <i>Vigna radiata</i> .) and black gram ( <i>Vigna mungo</i> .) in Pakistan. <i>Australasian Plant Pathology</i> , 2020, 49, 461-465.	1.0	0

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73	Transgenic expression of the <i>Agrobacterium tumefaciens</i> single-stranded DNA binding protein VirE2 provides resistance to both bipartite and monopartite betasatellite-associated begomoviruses in <i>Nicotiana benthamiana</i> . <i>Physiological and Molecular Plant Pathology</i> , 2020, 112, 101516.	2.5	0
74	Cotton Leaf Curl Disease (Geminiviridae). , 2021, , 355-363.		0
75	Diversity and recombination analysis of Cotton leaf curl Multan betasatellite associated with cotton leaf curl begomovirus disease complex. <i>Australasian Plant Pathology</i> , 2021, 50, 13-16.	1.0	0