

# Rafael Francisco Rivera-Bustamante

## List of Publications by Year in descending order

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74  
papers

5,187  
citations

159525

30  
h-index

95218

68  
g-index

74  
all docs

74  
docs citations

74  
times ranked

3299  
citing authors

#	ARTICLE	IF	CITATIONS
1	ICTV Virus Taxonomy Profile: Geminiviridae. <i>Journal of General Virology</i> , 2017, 98, 131-133.	1.3	676
2	Whole-genome sequencing of cultivated and wild peppers provides insights into <i>Capsicum</i> domestication and specialization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5135-5140.	3.3	674
3	Revision of Begomovirus taxonomy based on pairwise sequence comparisons. <i>Archives of Virology</i> , 2015, 160, 1593-1619.	0.9	664
4	Geminivirus Replication Origins Have a Group-Specific Organization of Iterative Elements: A Model for Replication. <i>Virology</i> , 1994, 203, 90-100.	1.1	295
5	World Management of Geminiviruses. <i>Annual Review of Phytopathology</i> , 2018, 56, 637-677.	3.5	247
6	Capulavirus and Grablovirus: two new genera in the family Geminiviridae. <i>Archives of Virology</i> , 2017, 162, 1819-1831.	0.9	240
7	A genome-wide pairwise-identity-based proposal for the classification of viruses in the genus Mastrevirus (family Geminiviridae). <i>Archives of Virology</i> , 2013, 158, 1411-1424.	0.9	216
8	RNA Silencing against Geminivirus: Complementary Action of Posttranscriptional Gene Silencing and Transcriptional Gene Silencing in Host Recovery. <i>Journal of Virology</i> , 2009, 83, 1332-1340.	1.5	150
9	A Definition of Citrus Viroid Groups and Their Relationship to the Exocortis Disease. <i>Journal of General Virology</i> , 1988, 69, 3069-3080.	1.3	122
10	Transgenes in Mexican maize: molecular evidence and methodological considerations for GMO detection in landrace populations. <i>Molecular Ecology</i> , 2009, 18, 750-761.	2.0	113
11	Detection and Distribution of Geminiviruses in Mexico and the Southern United States. <i>Phytopathology</i> , 1996, 86, 1186.	1.1	91
12	Citrus Cachexia Viroid, a New Viroid of Citrus: Relationship to Viroids of the Exocortis Disease Complex. <i>Journal of General Virology</i> , 1988, 69, 3059-3068.	1.3	88
13	Virus-induced silencing of Comt, pAmt and Kas genes results in a reduction of capsaicinoid accumulation in chili pepper fruits. <i>Planta</i> , 2008, 227, 681-695.	1.6	86
14	Geminivirus mixed infection on pepper plants: Synergistic interaction between PHYVV and PepGMV. <i>Virology Journal</i> , 2011, 8, 104.	1.4	79
15	Enhanced resolution of circular and linear molecular forms of viroid and viroid-like RNA by electrophoresis in a discontinuous-pH system. <i>Analytical Biochemistry</i> , 1986, 156, 91-95.	1.1	78
16	Interactions Between Geminiviruses in a Naturally Occurring Mixture: Pepper huasteco virus and Pepper golden mosaic virus. <i>Phytopathology</i> , 2003, 93, 270-277.	1.1	74
17	Inoculation of Peppers with Infectious Clones of a New Geminivirus by a Biolistic Procedure. <i>Phytopathology</i> , 1993, 83, 514.	1.1	71
18	Transcriptome analysis of symptomatic and recovered leaves of geminivirus-infected pepper ( <i>Capsicum</i> ) Tj ETQq0 0,0 rgBT /Overlock 10	1.4	67

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19	A comprehensive characterization of simple sequence repeats in pepper genomes provides valuable resources for marker development in <i>Capsicum</i> . <i>Scientific Reports</i> , 2016, 6, 18919.	1.6	60
20	Use of geminiviral vectors for functional genomics. <i>Current Opinion in Plant Biology</i> , 2006, 9, 209-215.	3.5	57
21	Experimental and theoretical definition of geminivirus origin of replication. <i>Plant Molecular Biology</i> , 1994, 26, 553-556.	2.0	56
22	Symptom Remission and Specific Resistance of Pepper Plants After Infection by Pepper golden mosaic virus. <i>Phytopathology</i> , 2007, 97, 51-59.	1.1	52
23	Identification of a Sequence Element Involved in AC2-Mediated Transactivation of the Pepper Huasteco Virus Coat Protein Gene. <i>Virology</i> , 1999, 253, 162-169.	1.1	50
24	The Amount of Movement Protein Produced in Transgenic Plants Influences the Establishment, Local Movement, and Systemic Spread of Infection by Movement Protein-Deficient Tobacco Mosaic Virus. <i>Molecular Plant-Microbe Interactions</i> , 1995, 8, 415.	1.4	50
25	In silico prediction and validation of potential gene targets for pospiviroid-derived small RNAs during tomato infection. <i>Gene</i> , 2015, 564, 197-205.	1.0	49
26	Characterization of <i>Geminivirus</i> Resistance in an Accession of <i>Capsicum chinense</i> Jacq.. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 172-182.	1.4	44
27	Tomato mottle Taino virus pseudorecombines with PYMV but not with ToMoV: Implications for the delimitation of cis - and trans -acting replication specificity determinants. <i>Archives of Virology</i> , 2003, 148, 1697-1712.	0.9	37
28	Expression of a germin-like protein gene (CchGLP) from a geminivirus-resistant pepper ( <i>Capsicum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50. <i>Molecular Plant Pathology</i> , 2012, 78, 45-50.	1.3	37
29	Two Populations of Viral Minichromosomes Are Present in a Geminivirus-Infected Plant Showing Symptom Remission (Recovery). <i>Journal of Virology</i> , 2016, 90, 3828-3838.	1.5	37
30	Title is missing!. <i>Euphytica</i> , 2001, 122, 31-36.	0.6	32
31	Nucleotide sequence of an osmotin-like cDNA induced in tomato during viroid infection. <i>Plant Molecular Biology</i> , 1992, 20, 1199-1202.	2.0	31
32	Taino Tomato Mottle Virus, a New Bipartite Geminivirus from Cuba. <i>Plant Disease</i> , 1997, 81, 1095-1095.	0.7	30
33	Benzothiadiazole (BTH) induces resistance to Pepper golden mosaic virus (PepGMV) in pepper ( <i>Capsicum</i> ) Tj ETQq1 1 0.784314 rgBT. <i>Phytopathology</i> , 2015, 105, 1143-1148.	1.5	29
34	Resistance to Geminivirus Mixed Infections in Mexican Wild Peppers. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2003, 38, 251-255.	0.5	29
35	Requirement of the Movement Protein for Long Distance Spread of Tobacco Mosaic Virus in Grafted Plants. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 691-699.	1.4	28
36	Effects and Effectiveness of Two RNAi Constructs for Resistance to Pepper golden mosaic virus in <i>Nicotiana benthamiana</i> Plants. <i>Viruses</i> , 2013, 5, 2931-2945.	1.5	26

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37	Hydrogen peroxide protects pepper ( <i>Capsicum annuum</i> L.) against pepper golden mosaic geminivirus (PepGMV) infections. <i>Physiological and Molecular Plant Pathology</i> , 2019, 106, 23-29.	1.3	25
38	Complementation of Coat Protein Mutants of Pepper Huasteco Geminivirus in Transgenic Tobacco Plants. <i>Phytopathology</i> , 1999, 89, 540-545.	1.1	23
39	Silencing of a Germin-Like Protein Gene (CchGLP) in Geminivirus-Resistant Pepper ( <i>Capsicum chinense</i> ) Tj ETQq1 1 0.784314 rgBT /Ov PepGMV. <i>Viruses</i> , 2015, 7, 6141-6151.	1.5	23
40	Pospiviroid Infection of Tomato Regulates the Expression of Genes Involved in Flower and Fruit Development. <i>Viruses</i> , 2018, 10, 516.	1.5	22
41	The capsicum transcriptome DB: a "hot" tool for genomic research. <i>Bioinformatics</i> , 2012, 8, 43-47.	0.2	22
42	Proteomic and metabolomic profiles in transgenic tobacco ( <i>N. tabacum xanthi nc</i> ) to CchGLP from <i>Capsicum chinense</i> BG-3821 resistant to biotic and abiotic stresses. <i>Environmental and Experimental Botany</i> , 2016, 130, 33-41.	2.0	21
43	First Report of Rhynchosia golden mosaic virus (RhGMV) Infecting Tobacco in Chiapas, Mexico. <i>Plant Disease</i> , 2002, 86, 692-692.	0.7	20
44	First Report of <i>Tomato chlorosis virus</i> Infecting Tomato in Single and Mixed Infections with <i>Tomato yellow leaf curl virus</i> in Cuba. <i>Plant Disease</i> , 2008, 92, 836-836.	0.7	19
45	Characterization of Resistance to Pepper Huasteco Geminivirus in Chili Peppers from Yucatán, México. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2001, 36, 139-142.	0.5	19
46	Tobacco yellow crinkle virus, a new bipartite begomovirus infecting tobacco and pepper in Cuba. <i>Plant Pathology</i> , 2009, 58, 785-785.	1.2	18
47	Sequence diversity on four ORFs of citrus tristeza virus correlates with pathogenicity. <i>Virology Journal</i> , 2009, 6, 116.	1.4	17
48	Properties of a Viroid-replicating Complex Solubilized from Nuclei. <i>Journal of General Virology</i> , 1989, 70, 2707-2716.	1.3	16
49	Analysis of a new begomovirus unveils a composite element conserved in the CP gene promoters of several Geminiviridae genera: Clues to comprehend the complex regulation of late genes. <i>PLoS ONE</i> , 2019, 14, e0210485.	1.1	16
50	First Report of <i>Fragaria chiloensis</i> cryptic virus, <i>Fragaria chiloensis</i> latent virus, Strawberry mild yellow edge virus, Strawberry necrotic shock virus, and <i>Strawberry pallidosis associated virus</i> in Single and Mixed Infections in Strawberry in Central Mexico. <i>Plant Disease</i> , 2013, 97, 1002-1002.	0.7	16
51	Resolution of the Mexican transgene detection controversy: error sources and scientific practice in commercial and ecological contexts. <i>Molecular Ecology</i> , 2009, 18, 4145-4150.	2.0	14
52	Characterization of Rhynchosia yellow mosaic Yucatan virus, a new recombinant begomovirus associated with two fabaceous weeds in Yucatan, Mexico. <i>Archives of Virology</i> , 2010, 155, 1571-1579.	0.9	14
53	Early and late gene expression in pepper huasteco yellow vein virus. <i>Journal of General Virology</i> , 2007, 88, 3145-3153.	1.3	11
54	Inducible gene expression by <i>Pepper huasteco virus</i> in <i>Capsicum chinense</i> plants with resistance to geminivirus infections. <i>Canadian Journal of Plant Pathology</i> , 2005, 27, 276-282.	0.8	9

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55	First report of tobacco as a natural host of <i>Euphorbia mosaic virus</i> in Cuba. <i>Plant Pathology</i> , 2010, 59, 795-795.	1.2	9
56	Colonization by Phloem-Feeding Herbivore Overrides Effects of Plant Virus on Amino Acid Composition in Phloem of Chili Plants. <i>Journal of Chemical Ecology</i> , 2016, 42, 985-988.	0.9	9
57	Resistance to Pepper huasteco yellow vein virus and its heritability in wild genotypes of <i>Capsicum annum</i> . <i>Botanical Sciences</i> , 2018, 96, 52-62.	0.3	9
58	A New Begomovirus Causes Tomato Leaf Curl Disease in Baja California Sur, Mexico. <i>Plant Disease</i> , 2005, 89, 341-341.	0.7	9
59	Identification of the minimal sequence required for vascular-specific activity of Tomato mottle Taino virus Replication-associated protein promoter in transgenic plants. <i>Virus Research</i> , 2004, 102, 125-132.	1.1	8
60	The infective cycle of Cabbage leaf curl virus (CaLCuV) is affected by CRUMPLED LEAF (CRL) gene in <i>Arabidopsis thaliana</i> . <i>Virology Journal</i> , 2009, 6, 169.	1.4	7
61	Fatal attraction of non-vector impairs fitness of manipulating plant virus. <i>Journal of Ecology</i> , 2018, 106, 391-400.	1.9	7
62	First Report of a Geminivirus Associated with Leaf Curl in Baja California Peninsula Tomato Fields. <i>Plant Disease</i> , 2003, 87, 1397-1397.	0.7	7
63	Molecular characterization of the RNA <sup>3</sup> of asparagus virus 2. <i>Archives of Virology</i> , 1999, 144, 185-192.	0.9	6
64	Complete genome and pathogenicity of Tomato yellow leaf distortion virus, a bipartite begomovirus infecting tomato in Cuba. <i>European Journal of Plant Pathology</i> , 2012, 134, 13-21.	0.8	6
65	A New Strain of Tomato chino La Paz virus Associated with a Leaf Curl Disease of Tomato in Baja California Sur, Mexico. <i>Plant Disease</i> , 2006, 90, 973-973.	0.7	6
66	Pepper golden mosaic virus Affecting Tomato Crops in the Baja California Peninsula, Mexico. <i>Plant Disease</i> , 2004, 88, 221-221.	0.7	5
67	Superinfection by PHYVV Alters the Recovery Process in PepGMV-Infected Pepper Plants. <i>Viruses</i> , 2020, 12, 286.	1.5	4
68	IDENTIFICACI3N DE RESISTENCIA CONTRA INFECCIONES SIMPLES Y MIXTAS POR EL VIRUS DEL MOSAICO DORADO DEL CHILE (PepGMV) Y EL VIRUS HUASTECO DEL CHILE EN PLANTAS DE CHILE HABANERO ( <i>Capsicum</i> ) TjEITQq0 0 0 rgBT /Ove		
69	A comprehensive characterization of simple sequence repeats in pepper genomes provides valuable resources for marker development in <i>Capsicum</i> . , 0, .		1
70	Transgenic Plants for Disease Control. , 1997, , 33-80.		1
71	Plant Molecular Biology in Mexico. <i>Plant Molecular Biology Reporter</i> , 1997, 15, 407-415.	1.0	0
72	Tomato yellow leaf distortion virus, a new bipartite begomovirus infecting tomato in Cuba. <i>Plant Pathology</i> , 2009, 58, 785-785.	1.2	0

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73	Plant Biotechnology in Mexico: Needs and Challenges. , 2003, , 605-610.		0
74	El genoma del chile (Capsicum annum). , 2018, , 41-51.		0