

# Victor Gaba

## List of Publications by Year in descending order

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75  
papers

3,206  
citations

186265

28  
h-index

155660

55  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher plants and UV-B radiation: balancing damage, repair and acclimation. Trends in Plant Science, 1998, 3, 131-135.	8.8	914
2	The Conserved FRNK Box in HC-Pro, a Plant Viral Suppressor of Gene Silencing, Is Required for Small RNA Binding and Mediates Symptom Development. Journal of Virology, 2007, 81, 13135-13148.	3.4	189
3	Characterization of Synergy Between Cucumber mosaic virus and Potyviruses in Cucurbit Hosts. Phytopathology, 2002, 92, 51-58.	2.2	123
4	Two separate photoreceptors control hypocotyl growth in green seedlings. Nature, 1979, 278, 51-54.	27.8	107
5	Low threshold levels of ultraviolet-B in a background of photosynthetically active radiation trigger rapid degradation of the D2 protein of photosystem-II. Plant Journal, 1996, 9, 693-699.	5.7	107
6	Factors affecting UV-induced resistance in grapefruit against the green mould decay caused by Penicillium digitatum. Plant Pathology, 1993, 42, 418-424.	2.4	99
7	Diagnosis of plant diseases using the Nanopore sequencing platform. Plant Pathology, 2019, 68, 229-238.	2.4	95
8	Cucurbit biotechnology-the importance of virus resistance. In Vitro Cellular and Developmental Biology - Plant, 2004, 40, 346-358.	2.1	83
9	Automated Plant Tissue Culture for Mass Propagation. Nature Biotechnology, 1988, 6, 1035-1040.	17.5	82
10	Functional analysis of the Cucumber mosaic virus 2b protein: pathogenicity and nuclear localization. Journal of General Virology, 2004, 85, 3135-3147.	2.9	76
11	Simple hand-held devices for the efficient infection of plants with viral-encoding constructs by particle bombardment. Journal of Virological Methods, 1997, 64, 103-110.	2.1	74
12	A High Level of Transgenic Viral Small RNA Is Associated with Broad Potyvirus Resistance in Cucurbits. Molecular Plant-Microbe Interactions, 2011, 24, 1220-1238.	2.6	56
13	Accelerated Degradation of the D2 Protein of Photosystem II Under Ultraviolet Radiation. Photochemistry and Photobiology, 1996, 63, 814-817.	2.5	49
14	Photocontrol of Hypocotyl Elongation in De-Etiolated <i>Cucumis sativus</i> L.. Plant Physiology, 1984, 74, 897-900.	4.8	47
15	Transgenic cucumbers harboring the 54-kDa putative gene of Cucumber fruit mottle mosaic tobamovirus are highly resistant to viral infection and protect non-transgenic scions from soil infection. Transgenic Research, 2005, 14, 81-93.	2.4	47
16	Breakage of resistance to Cucumber mosaic virus by co-infection with Zucchini yellow mosaic virus : enhancement of CMV accumulation independent of symptom expression. Archives of Virology, 2004, 149, 379-396.	2.1	43
17	PHOTORECEPTOR INTERACTION IN PLANT PHOTOMORPHOGENESIS: THE LIMITS OF EXPERIMENTAL TECHNIQUES AND THEIR INTERPRETATIONS. Photochemistry and Photobiology, 1987, 45, 151-156.	2.5	42
18	Amplified Degradation of Photosystem II D1 and D2 Proteins under a Mixture of Photosynthetically Active Radiation and UVB Radiation: Dependence on Redox Status of Photosystem II. Photochemistry and Photobiology, 1999, 69, 553-559.	2.5	42

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19	Differential expression of cucumber RNA-dependent RNA polymerase 1 genes during antiviral defence and resistance. <i>Molecular Plant Pathology</i> , 2018, 19, 300-312.	4.2	42
20	Degradation of the 32 kDa Photosystem II Reaction Center Protein in UV, Visible and Far Red Light Occurs Through a Common 23.5 kDa Intermediate. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1989, 44, 450-452.	1.4	41
21	Degradation of the 32 kD Herbicide Binding Protein in Far Red Light. <i>Plant Physiology</i> , 1987, 84, 348-352.	4.8	40
22	Ultraviolet-B effects on <i>Spirodela oligorrhiza</i> : induction of different protection mechanisms. <i>Plant Science</i> , 1996, 115, 217-223.	3.6	40
23	Biolistic inoculation of plants with Tomato yellow leaf curl virus DNA. <i>Journal of Virological Methods</i> , 2007, 144, 143-148.	2.1	35
24	Adventitious regeneration in vitro occurs across a wide spectrum of squash ( <i>Cucurbita pepo</i> ) genotypes. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 85, 285-295.	2.3	34
25	Photocontrol of hypocotyl elongation in light-grown <i>Cucumis sativus</i> L.. <i>Planta</i> , 1984, 162, 422-426.	3.2	33
26	Ultrasonic treatment stimulates multiple shoot regeneration and explant enlargement in recalcitrant squash cotyledon explants in vitro. <i>Plant Cell Reports</i> , 2007, 26, 267-276.	5.6	32
27	Simplified construction and performance of a device for particle bombardment. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 37, 179-184.	2.3	31
28	Vegetative micro-cloning to sustain biodiversity of threatened <i>Moringa</i> species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 65-71.	2.1	31
29	Use of Tissue Culture and Biotechnology for the Genetic Improvement of Watermelon. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 77, 231-243.	2.3	30
30	Distribution and Replication of the Pathogenicity Plasmid pPATH in Diverse Populations of the Gall-Forming Bacterium <i>Pantoea agglomerans</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 7552-7561.	3.1	30
31	Immunity to tomato yellow leaf curl virus in transgenic tomato is associated with accumulation of transgene small RNA. <i>Archives of Virology</i> , 2015, 160, 2727-2739.	2.1	26
32	Recombination of Engineered Defective RNA Species Produces Infective Potyvirus In Planta. <i>Journal of Virology</i> , 1998, 72, 5268-5270.	3.4	26
33	Characterization of nuclear localization signals in the type III effectors HsvG and HsvB of the gall-forming bacterium <i>Pantoea agglomerans</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1500-1508.	1.8	25
34	Improvement of <i>Aconitum napellus</i> micropropagation by liquid culture on floating membrane rafts. <i>Plant Cell Reports</i> , 1995, 14, 345-8.	5.6	24
35	Effect of a single amino acid substitution in the NLS domain of Tomato yellow leaf curl virus-Israel (TYLCV-IL) capsid protein (CP) on its activity and on the virus life cycle. <i>Virus Research</i> , 2011, 158, 8-11.	2.2	24
36	Photocontrol of hypocotyl elongation in light-grown <i>Cucumis sativus</i> L.. <i>Planta</i> , 1985, 164, 264-271.	3.2	22

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37	Viruses of Potato. <i>Advances in Virus Research</i> , 2012, 84, 209-246.	2.1	22
38	Regeneration In Vitro From the Hypocotyl of Cucumis Species Produces Almost Exclusively Diploid Shoots, and Does Not Require Light. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2003, 38, 105-109.	1.0	22
39	PHOTOCONTROL OF HYPOCOTYL ELONGATION IN DE-ETIOLATED Cucumis sativus L. RAPID RESPONSES TO BLUE LIGHT. <i>Photochemistry and Photobiology</i> , 1983, 38, 469-472.	2.5	20
40	pthG from <i>Pantoea agglomerans</i> pv. <i>gypsophilae</i> encodes an avirulence effector that determines incompatibility in multiple beet species. <i>Molecular Plant Pathology</i> , 2004, 5, 105-113.	4.2	20
41	HandyGun: An improved custom-designed, non-vacuum gene gun suitable for virus inoculation. <i>Journal of Virological Methods</i> , 2010, 165, 320-324.	2.1	20
42	Inoculation of plants with begomoviruses by particle bombardment without cloning: Using rolling circle amplification of total DNA from infected plants and whiteflies. <i>Journal of Virological Methods</i> , 2010, 168, 87-93.	2.1	20
43	Hairpin-based virus resistance depends on the sequence similarity between challenge virus and discrete, highly accumulating siRNA species. <i>European Journal of Plant Pathology</i> , 2010, 128, 153-164.	1.7	16
44	The control of food mobilisation in seeds of Cucumis sativus L.. <i>Planta</i> , 1981, 152, 70-73.	3.2	15
45	Transformation of Recalcitrant Melon ( <i>Cucumis melo</i> L.) Cultivars is Facilitated by Wounding with Carborundum. <i>Engineering in Life Sciences</i> , 2005, 5, 169-177.	3.6	15
46	Ancymidol Hastens in Vitro Bud Development in Melon. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1996, 31, 1223-1224.	1.0	15
47	Light-requiring acifluorfen action in the absence of bulk photosynthetic pigments. <i>Pesticide Biochemistry and Physiology</i> , 1988, 31, 1-12.	3.6	14
48	Identification of a novel plant virus promoter using a potyvirus infectious clone. <i>Virus Genes</i> , 2000, 20, 11-17.	1.6	14
49	Characterization of potato virus Y populations in potato in Israel. <i>Archives of Virology</i> , 2019, 164, 1691-1695.	2.1	14
50	Stronger sink demand for metabolites supports dominance of the apical bud in etiolated growth. <i>Journal of Experimental Botany</i> , 2016, 67, 5495-5508.	4.8	13
51	PHOTOCNTROL OF HYPOCOTYL ELONGATION IN DE-ETIOLATED Cucumis sativus L. A BLUE-LIGHT-INDUCED POST-ILLUMINATION BURST OF GROWTH. <i>Photochemistry and Photobiology</i> , 1983, 38, 473-476.	2.5	12
52	A simple plant regeneration-ability assay in a range of <i>Lycopersicon</i> species. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 84, 269-278.	2.3	12
53	Photocontrol of Hypocotyl Elongation in Light-Grown Cucumis sativus L.. <i>Plant Physiology</i> , 1985, 79, 1011-1014.	4.8	11
54	Magic-Angle Spinning NMR Studies of Cell Wall Bound Aromatic $\alpha$ -Aliphatic Biopolyesters Associated with Strengthening of Intercellular Adhesion in Potato ( <i>Solanum tuberosum</i> L.) Tuber Parenchyma. <i>Biomacromolecules</i> , 2006, 7, 937-944.	5.4	9

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55	Factors influencing reversion from virus infection in sweetpotato. <i>Annals of Applied Biology</i> , 2020, 176, 109-121.	2.5	9
56	COMPUTER-CONTROLLED LIGHT MEASUREMENTS FOR PHOTOMORPHOGENESIS. <i>Photochemistry and Photobiology</i> , 1982, 36, 613-616.	2.5	8
57	The type III effector PthG of <i>Pantoea agglomerans</i> pv. <i>gypsophilae</i> modifies host plant responses to auxin, cytokinin and light. <i>European Journal of Plant Pathology</i> , 2010, 128, 289-302.	1.7	5
58	Detection of Potato virus Y in industrial quantities of seed potatoes by TaqMan Real Time PCR. <i>Phytoparasitica</i> , 2017, 45, 591-598.	1.2	5
59	Biolistic DNA Delivery to Leaf Tissue of Plants with the Non-vacuum Gene Gun (HandyGun). <i>Methods in Molecular Biology</i> , 2013, 940, 45-51.	0.9	5
60	Development of PVY resistance in tomato by knockout of host eukaryotic initiation factors by CRISPR-Cas9. <i>Phytoparasitica</i> , 0, , 1.	1.2	5
61	Acifluorfen Enhancement of Cryptochrome-Modulated Sporulation following an Inductive Light Pulse. <i>Plant Physiology</i> , 1987, 83, 225-227.	4.8	4
62	PHOTOCONTROL OF HYPOCOTYL ELONGATION IN LIGHT-GROWN <i>Cucumis sativus</i> L. PHOTOSYNTHETIC REQUIREMENT FOR A FLUENCE RATE DEPENDENT PHYTOCHROME RESPONSE. <i>Photochemistry and Photobiology</i> , 1991, 53, 399-405.	2.5	4
63	Improved shoot regeneration due to prolonged seed storage. <i>Scientia Horticulturae</i> , 2009, 119, 117-119.	3.6	4
64	Polar auxin transport is essential for gall formation by <i>Pantoea agglomerans</i> on <i>Gypsophila</i> . <i>Molecular Plant Pathology</i> , 2013, 14, 185-190.	4.2	4
65	Inoculation of Plants Using Bombardment. , 2006, Chapter 16, 16B.3.1-16B.3.14.		4
66	The Uses of Ultrasound in Plant Tissue Culture. , 0, , 417-426.		4
67	HandGun-Mediated Inoculation of Plants with Viral Pathogens for Mechanistic Studies. <i>Methods in Molecular Biology</i> , 2013, 940, 53-62.	0.9	4
68	The Uses Of Ultrasound In Plant Tissue Culture. , 2008, , 417-426.		3
69	Adventitious shoot formation in decapitated dicotyledonous seedlings starts with regeneration of abnormal leaves from cells not located in a shoot apical meristem. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 758-768.	2.1	3
70	Amplified Degradation of Photosystem II D1 and D2 Proteins under a Mixture of Photosynthetically Active Radiation and UVB Radiation: Dependence on Redox Status of Photosystem II. <i>Photochemistry and Photobiology</i> , 1999, 69, 553.	2.5	3
71	Analysis of the RNA-Dependent RNA Polymerase 1 (RDR1) Gene Family in Melon. <i>Plants</i> , 2022, 11, 1795.	3.5	3
72	Food-grade sugar can promote differentiation in melon ( <i>Cucumis melo</i> L.) tissue culture. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2012, 48, 600-608.	2.1	2

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73	Photography as a tool of research and documentation in plant tissue culture. In Vitro Cellular and Developmental Biology - Plant, 2004, 40, 536-541.	2.1	1
74	Digital Photography as a Tool of Research and Documentation in Plant Tissue Culture. Methods in Molecular Biology, 2018, 1815, 89-101.	0.9	1
75	prediction and segregation analysis of putative virus defense genes based on SSR markers in sweet potato F1 progenies of cultivars 'New Kawogo' and 'Resisto'. African Journal of Biotechnology, 2019, 18, .	0.6	0