

# Richard T Roush

## List of Publications by Year in descending order

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33  
papers

4,215  
citations

236925

25  
h-index

501196

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insect resistance management in GM crops: past, present and future. <i>Nature Biotechnology</i> , 2005, 23, 57-62.	17.5	494
2	Insect Resistance to Transgenic Bt Crops: Lessons from the Laboratory and Field. <i>Journal of Economic Entomology</i> , 2003, 96, 1031-1038.	1.8	447
3	Transgenic plants expressing two <i>Bacillus thuringiensis</i> toxins delay insect resistance evolution. <i>Nature Biotechnology</i> , 2003, 21, 1493-1497.	17.5	373
4	Mate finding, dispersal, number released, and the success of biological control introductions. <i>Ecological Entomology</i> , 1993, 18, 321-331.	2.2	277
5	Designing resistance management programs: How can you choose?. <i>Pest Management Science</i> , 1989, 26, 423-441.	0.4	230
6	Field tests on managing resistance to Bt-engineered plants. <i>Nature Biotechnology</i> , 2000, 18, 339-342.	17.5	218
7	The Role of Population Genetics in Resistance Research and Management. , 1990, , 97-152.		205
8	Insect Resistance to Transgenic Bt Crops: Lessons from the Laboratory and Field. <i>Journal of Economic Entomology</i> , 2003, 96, 1031-1038.	1.8	199
9	Concurrent use of transgenic plants expressing a single and two <i>Bacillus thuringiensis</i> genes speeds insect adaptation to pyramided plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8426-8430.	7.1	198
10	The reconstruction and expression of a <i>Bacillus thuringiensis</i> cryIIIA gene in protoplasts and potato plants. <i>Plant Molecular Biology</i> , 1993, 21, 1131-1145.	3.9	163
11	Managing pests and their resistance to <i>Bacillus thuringiensis</i> : Can transgenic crops be better than sprays?. <i>Biocontrol Science and Technology</i> , 1994, 4, 501-516.	1.3	151
12	Inheritance, Stability, and Lack-of-Fitness Costs of Field-Selected Resistance to <i>Bacillus thuringiensis</i> in Diamondback Moth (Lepidoptera: Plutellidae) from Florida. <i>Journal of Economic Entomology</i> , 1997, 90, 732-741.	1.8	148
13	Bt-transgenic crops: just another pretty insecticide or a chance for a new start in resistance management?. <i>Pest Management Science</i> , 1997, 51, 328-334.	0.4	142
14	Transgenic broccoli expressing a <i>Bacillus thuringiensis</i> insecticidal crystal protein: Implications for pest resistance management strategies. <i>Molecular Breeding</i> , 1995, 1, 309-317.	2.1	125
15	Resistance Detection and Documentation: The Relative Roles of Pesticidal and Biochemical Assays. , 1990, , 4-38.		114
16	Development and Characterization of Diamondback Moth Resistance to Transgenic Broccoli Expressing High Levels of Cry1C. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3784-3789.	3.1	114
17	Laboratory, Glasshouse, and Field Studies of Artificially Selected Carbaryl Resistance in <i>Metaseiulus occidentalis</i> . <i>Journal of Economic Entomology</i> , 1981, 74, 142-147.	1.8	101
18	Survival, Weight Gain, and Oviposition of Resistant and Susceptible <i>Plutella xylostella</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Entomology</i> , 1999, 92, 47-55.	1.8	72

#	ARTICLE	IF	CITATIONS
19	Drosophila GABA-gated chloride channel: Modified [3H]EBOB binding site associated with Ala $\alpha$ 1 Ser or Gly mutants of Rdl subunit. Life Sciences, 1995, 56, 757-765.	4.3	71
20	Natural Enemies Delay Insect Resistance to Bt Crops. PLoS ONE, 2014, 9, e90366.	2.5	54
21	Assessing the odds: The emergence of resistance to Bt transgenic plants. Nature Biotechnology, 1997, 15, 816-817.	17.5	48
22	Reduced neuronal sensitivity to dieldrin and picrotoxinin in a cyclodiene-resistant strain of Drosophila melanogaster (Meigen). Archives of Insect Biochemistry and Physiology, 1992, 19, 17-25.	1.5	41
23	“Active” refuges can inhibit the evolution of resistance in insects towards transgenic insect-resistant plants. Journal of Theoretical Biology, 2004, 231, 461-474.	1.7	38
24	Excitation of central neurons by dieldrin and picrotoxinin in susceptible and resistant Drosophila melanogaster (meigen). Pest Management Science, 1991, 32, 463-469.	0.4	35
25	Resistance to Bt Toxins. Science, 2000, 287, 41d-41.	12.6	34
26	Effects of [3 H]-BIDN, a novel bicyclic dinitrile radioligand for GABA-gated chloride channels of insects and vertebrates. British Journal of Pharmacology, 1997, 121, 1496-1505.	5.4	32
27	False reports and the ears of men. Nature Biotechnology, 1999, 17, 832-832.	17.5	32
28	Evaluation of a Chemically Inducible Promoter for Developing a Within-Plant Refuge for Resistance Management. Journal of Economic Entomology, 2005, 98, 2188-2194.	1.8	22
29	Laboratory and field evidence of post-release changes to the ecological host range of <i>Diorhabda elongata</i> : Has this improved biological control efficacy?. Biological Control, 2010, 53, 353-359.	3.0	13
30	Managing Diamondback Moth (Lepidoptera: Plutellidae) Resistance to Foliar Applications of <i>Bacillus thuringiensis</i> : Testing Strategies in Field Cages. Journal of Economic Entomology, 1997, 90, 1462-1470.	1.8	12
31	Evolution and Management of Resistance in the Colorado Potato Beetle, <i>Leptinotarsa Decemlineata</i> . , 1992, , 61-74.		8
32	Resistance management for agricultural pests. , 2000, , 399-417.		3
33	Strategies for Resistance Management. , 1999, , 575-594.		1