Rod A Herman

List of Publications by Year
in descending order

88 papers	2,020 citations	236925 25 h-index	276875 41 g-index
89 all docs	89 docs citations	89 times ranked	1457 citing authors

#	Article	IF	Citations
1	Comprehensive COMPARE database reduces allergenic risk of novel food proteins. GM Crops and Food, 2022, 13, 112-118.	3.8	1
2	Slow alignment of GMO allergenicity regulations with science on protein digestibility. GM Crops and Food, 2022, 13, 126-130.	3.8	2
3	Evidence-based regulations for bioinformatic prediction of allergen cross-reactivity are needed. Regulatory Toxicology and Pharmacology, 2021, 120, 104841.	2.7	6
4	Hypothesis-based food, feed, and environmental safety assessment of GM crops: A case study using maize event DP-202216-6. GM Crops and Food, 2021, 12, 282-291.	3.8	3
5	History of safe exposure and bioinformatic assessment of phosphomannose-isomerase (PMI) for allergenic risk. Transgenic Research, 2021, 30, 201-206.	2.4	3
6	Mass spectrometric analysis of digesta does not improve the allergenicity assessment of GM crops. Transgenic Research, 2021, 30, 283-288.	2.4	3
7	Erroneous Belief that Digestive Stability Predicts Allergenicity May Lead to Greater Risk for Novel Food Proteins. Frontiers in Bioengineering and Biotechnology, 2021, 9, 747490.	4.1	2
8	Transparency in risk-disproportionate regulation of modern crop-breeding techniques. GM Crops and Food, 2021, 12, 376-381.	3.8	8
9	Trypsin cleavage sites are highly unlikely to occur in celiac-causing restricted epitopes. GM Crops and Food, 2020, 11, 67-69.	3.8	1
10	Transgene expression in sprayed and non-sprayed herbicide-tolerant genetically engineered crops is equivalent. Regulatory Toxicology and Pharmacology, 2020, 111, 104572.	2.7	1
11	Evidence runs contrary to digestive stability predicting protein allergenicity. Transgenic Research, 2020, 29, 105-107.	2.4	10
12	DP-2Ã˜2216-6 maize does not adversely affect rats in a 90-day feeding study. Regulatory Toxicology and Pharmacology, 2020, 117, 104779.	2.7	7
13	Obligatory metabolomic profiling of geneâ€edited crops is risk disproportionate. Plant Journal, 2020, 103, 1985-1988.	5.7	6
14	Enlightened oversight of genetically engineered crops for the next generation. Agricultural and Environmental Letters, 2020, 5, e20004.	1.2	7
15	Allergen false-detection using official bioinformatic algorithms. GM Crops and Food, 2020, 11, 93-96.	3.8	4
16	Validation of bioinformatic approaches for predicting allergen cross reactivity. Food and Chemical Toxicology, 2019, 132, 110656.	3.6	10
17	Will Following the Regulatory Script for GMOs Promote Public Acceptance of Gene-Edited Crops?. Trends in Biotechnology, 2019, 37, 1272-1273.	9.3	18
18	EFSA Genetically Engineered Crop Composition Equivalence Approach: Performance and Consistency. Journal of Agricultural and Food Chemistry, 2019, 67, 4080-4088.	5.2	8

#	Article	IF	Citations
19	Untargeted Metabolomics Are Not Useful in the Risk Assessment of GM Crops. Trends in Plant Science, 2019, 24, 383-384.	8.8	7
20	Risk-Only Assessment of Genetically Engineered Crops Is Risky. Trends in Plant Science, 2019, 24, 58-68.	8.8	18
21	Allergenic sensitization versus elicitation risk criteria for novel food proteins. Regulatory Toxicology and Pharmacology, 2018, 94, 283-285.	2.7	19
22	Food and feed safety of DAS-444Ã˜6-6 herbicide-tolerant soybean. Regulatory Toxicology and Pharmacology, 2018, 94, 70-74.	2.7	8
23	No treatment-related effects with aryloxyalkanoate dioxygenase-12 in three 28-day mouse toxicity studies. Regulatory Toxicology and Pharmacology, 2018, 92, 220-225.	2.7	3
24	Isoline use in crop composition studies with genetically modified crops under EFSA guidance â€“ Short communication. Regulatory Toxicology and Pharmacology, 2018, 95, 204-206.	2.7	2
25	Safety evaluation of DAS-44406-6 soybeans in Wistar rats. Regulatory Toxicology and Pharmacology, 2018, 92, 152-164.	2.7	5
26	Q-X1-P-X2 motif search for potential celiac disease risk has poor selectivity. Regulatory Toxicology and Pharmacology, 2018, 99, 233-237.	2.7	5
27	Protease resistance of food proteins: a mixed picture for predicting allergenicity but a useful tool for assessing exposure. Clinical and Translational Allergy, 2018, 8, 30.	3.2	35
28	Variation in Seed Allergen Content From Three Varieties of Soybean Cultivated in Nine Different Locations in Iowa, Illinois, and Indiana. Frontiers in Plant Science, 2018, 9, 1025.	3.6	16
29	Stacking transgenic event DASâ€Ã˜15Ã˜7â€1 alters maize composition less than traditional breeding. Plant Biotechnology Journal, 2017, 15, 1264-1272.	8.3	23
30	Agronomic performance of insect-protected and herbicide-tolerant MON 89034 Ã— TC1507 Ã— NK603 Ã— DAS-40278â€“9 corn is equivalent to that of conventional corn. GM Crops and Food, 2017, 8, 149-155.	3.8	7
31	Single-Event Transgene Product Levels Predict Levels in Genetically Modified Breeding Stacks. Journal of Agricultural and Food Chemistry, 2017, 65, 7885-7892.	5.2	10
32	Transgenesis affects endogenous soybean allergen levels less than traditional breeding. Regulatory Toxicology and Pharmacology, 2017, 89, 70-73.	2.7	9
33	Allergenic potential of novel proteins â€“ What can we learn from animal production?. Regulatory Toxicology and Pharmacology, 2017, 89, 240-243.	2.7	10
34	Development, Validation, and Interlaboratory Evaluation of a Quantitative Multiplexing Method To Assess Levels of Ten Endogenous Allergens in Soybean Seed and Its Application to Field Trials Spanning Three Growing Seasons. Journal of Agricultural and Food Chemistry, 2017, 65, 5531-5544.	5.2	16
35	Safety considerations derived from Cry34Ab1/Cry35Ab1 structure and function. Journal of Invertebrate Pathology, 2017, 142, 27-33.	3.2	13
36	Assessment of potential adjuvanticity of Cry proteins. Regulatory Toxicology and Pharmacology, 2016, 79, 149-155.	2.7	10

#	Article	IF	Citations
37	Rapid simulated gastric fluid digestion of in-seed/grain proteins expressed in genetically engineered crops. Regulatory Toxicology and Pharmacology, 2016, 81, 106-112.	2.7	10
38	Inter-laboratory optimization of protein extraction, separation, and fluorescent detection of endogenous rice allergens. Bioscience, Biotechnology and Biochemistry, 2016, 80, 2198-2207.	1.3	4
39	1:1 FASTA update: Using the power of E -values in FASTA to detect potential allergen cross-reactivity. Toxicology Reports, 2015, 2, 1145-1148.	3.3	12
40	Transgenic maize event TC1507: Global status of food, feed, and environmental safety. GM Crops and Food, 2015, 6, 80-102.	3.8	34
41	Insect-Protected Event DAS-81419-2 Soybean (<i>Glycine max</i> L.) Grown in the United States and Brazil Is Compositionally Equivalent to Nontransgenic Soybean. Journal of Agricultural and Food Chemistry, 2015, 63, 2063-2073.	5.2	17
42	Expert opinion vs. empirical evidence. GM Crops and Food, 2014, 5, 8-10.	3.8	11
43	Do whole-food animal feeding studies have any value in the safety assessment of GM crops?. Regulatory Toxicology and Pharmacology, 2014, 68, 171-174.	2.7	12
44	Measurement of endogenous allergens in genetically modified soybeans â€“ Short communication. Regulatory Toxicology and Pharmacology, 2014, 70, 75-79.	2.7	33
45	Evaluation of global sequence comparison and one-to-one FASTA local alignment in regulatory allergenicity assessment of transgenic proteins in food crops. Food and Chemical Toxicology, 2014, 71, 142-148.	3.6	17
46	Bringing policy relevance and scientific discipline to environmental risk assessment for genetically modified crops. Trends in Biotechnology, 2013, 31, 493-496.	9.3	9
47	Compositional Safety of Herbicide-Tolerant DAS-81910-7 Cotton. Journal of Agricultural and Food Chemistry, 2013, 61, 11683-11692.	5.2	11
48	Compositional Equivalence of DAS-444Ã˜6-6 (AAD-12 + 2mEPSPS + PAT) Herbicide-Tolerant Soybean and Nontransgenic Soybean. Journal of Agricultural and Food Chemistry, 2013, 61, 11180-11190.	5.2	31
49	Invoking ideology in the promotion of ecological risk assessment for GM crops. Trends in Biotechnology, 2013, 31, 217-218.	9.3	6
50	Unintended Compositional Changes in Genetically Modified (GM) Crops: 20 Years of Research. Journal of Agricultural and Food Chemistry, 2013, 61, 11695-11701.	5.2	135
51	Preliminary safety assessment of a membrane-bound delta 9 desaturase candidate protein for transgenic oilseed crops. Food and Chemical Toxicology, 2012, 50, 3776-3784.	3.6	8
52	Assessing the ecological risks from the persistence and spread of feral populations of insect-resistant transgenic maize. Transgenic Research, 2012, 21, 655-664.	2.4	37
53	Acute and 28-day repeated dose toxicology studies in mice with aryloxyalkanoate dioxygenase (AAD-1) protein expressed in 2,4-D tolerant DAS-40278-9 maize. Regulatory Toxicology and Pharmacology, 2012, 62, 363-370.	2.7	19
54	Endogenous allergen upregulation: Transgenic vs. traditionally bred crops. Food and Chemical Toxicology, 2011, 49, 2667-2669.	3.6	19

#	Article	IF	Citations
55	Bioinformatics and the allergy assessment of agricultural biotechnology products: Industry practices and recommendations. Regulatory Toxicology and Pharmacology, 2011, 60, 46-53.	2.7	71
56	Performance of broiler chickens fed event DAS-40278-9 maize containing the aryloxyalkanoate dioxygenase-1 protein. Regulatory Toxicology and Pharmacology, 2011, 60, 296-299.	2.7	8
57	Heat stability, its measurement, and its lack of utility in the assessment of the potential allergenicity of novel proteins. Regulatory Toxicology and Pharmacology, 2011, 61, 292-295.	2.7	22
58	Recommendations for the design of laboratory studies on non-target arthropods for risk assessment of genetically engineered plants. Transgenic Research, 2011, 20, 1-22.	2.4	206
59	Performance of broiler chickens fed diets containing DAS-68416-4 soybean meal. GM Crops, 2011, 2, 169-175.	1.9	12
60	Safety risks of cryptic reading frames and gene disruption due to crop transgenesis: What are the odds?. GM Crops, 2011, 2, 4-6.	1.9	6
61	Compositional Safety of DAS-68416-4 (AAD-12) Herbicide-Tolerant Soybean. Journal of Nutrition & Food Sciences, 2011, 01, .	1.0	13
62	Safe composition levels of transgenic crops assessed via a clinical medicine model. Biotechnology Journal, 2010, 5, 172-182.	3.5	14
63	Compositional safety of event DAS-40278-9 (AAD-1) herbicide-tolerant maize. GM Crops, 2010, 1, 294-311.	1.9	13
64	Application of food and feed safety assessment principles to evaluate transgenic approaches to gene modulation in crops. Food and Chemical Toxicology, 2010, 48, 1773-1790.	3.6	89
65	Compositional assessment of transgenic crops: an idea whose time has passed. Trends in Biotechnology, 2009, 27, 555-557.	9.3	55
66	Acute and repeated dose (28 day) mouse oral toxicology studies with Cry34Ab1 and Cry35Ab1 Bt proteins used in coleopteran resistant DAS-59122-7 corn. Regulatory Toxicology and Pharmacology, 2009, 54, 154-163.	2.7	49
67	Should digestion assays be used to estimate persistence of potential allergens in tests for safety of novel food proteins?. Clinical and Molecular Allergy, 2009, 7, 1.	1.8	35
68	Value of eight-amino-acid matches in predicting the allergenicity status of proteins: an empirical bioinformatic investigation. Clinical and Molecular Allergy, 2009, 7, 9.	1.8	41
69	Evaluation of logistic and polynomial models for fitting sandwich-ELISA calibration curves. Journal of Immunological Methods, 2008, 339, 245-258.	1.4	34
70	Devitalization of transgenic seed that preserves DNA and protein integrity. Journal of Biomolecular Techniques, 2008, 19, 348-52.	1.5	5
71	Stability of a set of allergens and non-allergens in simulated gastric fluid. International Journal of Food Sciences and Nutrition, 2007, 58, 125-141.	2.8	57
72	Compositional assessment of event DAS-59122-7 maize using substantial equivalence. Regulatory Toxicology and Pharmacology, 2007, 47, 37-47.	2.7	43

#	Article	IF	Citations
73	Fit of Four Curveâ^'Linear Models to Decay Profiles for Pest Control Substances in Soil. Journal of Agricultural and Food Chemistry, 2006, 54, 4343-4349.	5.2	5
74	Purification and Characterization of a Chimeric Cry1F Î´-Endotoxin Expressed in Transgenic Cotton Plants. Journal of Agricultural and Food Chemistry, 2006, 54, 829-835.	5.2	24
75	Acid-induced unfolding kinetics in simulated gastric digestion of proteins. Regulatory Toxicology and Pharmacology, 2006, 46, 93-99.	2.7	41
76	The Value of Short Amino Acid Sequence Matches for Prediction of Protein Allergenicity. Toxicological Sciences, 2006, 90, 252-258.	3.1	81
77	Digestion Assays in Allergenicity Assessment of Transgenic Proteins. Environmental Health Perspectives, 2006, 114, 1154-1157.	6.0	34
78	Biomimetic Extraction ofBacillus thuringiensisInsecticidal Crystal Proteins from Soil Based on Invertebrate Gut Fluid Chemistry. Journal of Agricultural and Food Chemistry, 2005, 53, 6630-6634.	5.2	21
79	Quantitative measurement of protein digestion in simulated gastric fluid. Regulatory Toxicology and Pharmacology, 2005, 41, 175-184.	2.7	25
80	Compositional Equivalency of Cry1F Corn Event TC6275 and Conventional Corn (Zea maysL.). Journal of Agricultural and Food Chemistry, 2004, 52, 2726-2734.	5.2	42
81	Characterization of Cry34Ab1 and Cry35Ab1 Insecticidal Crystal Proteins Expressed in Transgenic Corn Plants andPseudomonas fluorescens. Journal of Agricultural and Food Chemistry, 2004, 52, 8057-8065.	5.2	27
82	Comparison of Linear and Nonlinear Regression for Modeling the First-Order Degradation of Pest-Control Substances in Soil. Journal of Agricultural and Food Chemistry, 2003, 51, 4722-4726.	5.2	11
83	Rapid Digestion of Cry34Ab1 and Cry35Ab1 in Simulated Gastric Fluid. Journal of Agricultural and Food Chemistry, 2003, 51, 6823-6827.	5.2	43
84	Binary Insecticidal Crystal Protein from <I>Bacillus thuringiensis,</I> Strain PS149B1: Effects of Individual Protein Components and Mixtures in Laboratory Bioassays. Journal of Economic Entomology, 2002, 95, 635-639.	1.8	51
85	Rapid Degradation of a Binary, Ps149B1, &dgr;-Endotoxin ofBacillus thuringiensisin Soil, and a Novel Mathematical Model for Fitting Curve-Linear Decay. Environmental Entomology, 2002, 31, 208-214.	1.4	19
86	Rapid Degradation of the Cry1F Insecticidal Crystal Protein in Soil. Journal of Agricultural and Food Chemistry, 2002, 50, 7076-7078.	5.2	54
87	Rapid Degradation of Cry1F Delta-Endotoxin in Soil. Environmental Entomology, 2001, 30, 642-644.	1.4	24
88	Quantification of Insect-Induced Foliage Damage Using a High-Capacity Laboratory Bioassay. Journal of Economic Entomology, 1989, 82, 1836-1842.	1.8	2