

# Xiaohua He

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

1,237  
citations

20  
h-index

33  
g-index

74  
ext. papers

1,529  
ext. citations

4.3  
avg, IF

4.31  
L-index

#	Paper	IF	Citations
70	A Review on the Challenges for Increased Production of Castor. <i>Agronomy Journal</i> , <b>2012</b> , 104, 853-880	2.2	169
69	Host cell interactions of outer membrane vesicle-associated virulence factors of enterohemorrhagic <i>Escherichia coli</i> O157: Intracellular delivery, trafficking and mechanisms of cell injury. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006159	7.6	99
68	Virulence from vesicles: Novel mechanisms of host cell injury by <i>Escherichia coli</i> O104:H4 outbreak strain. <i>Scientific Reports</i> , <b>2015</b> , 5, 13252	4.9	92
67	Identification and pathogenomic analysis of an <i>Escherichia coli</i> strain producing a novel Shiga toxin 2 subtype. <i>Scientific Reports</i> , <b>2018</b> , 8, 6756	4.9	53
66	Ricin toxicokinetics and its sensitive detection in mouse sera or feces using immuno-PCR. <i>PLoS ONE</i> , <b>2010</b> , 5, e12858	3.7	50
65	Development of a novel immuno-PCR assay for detection of ricin in ground beef, liquid chicken egg, and milk. <i>Journal of Food Protection</i> , <b>2010</b> , 73, 695-700	2.5	47
64	Development and characterization of monoclonal antibodies against Shiga toxin 2 and their application for toxin detection in milk. <i>Journal of Immunological Methods</i> , <b>2013</b> , 389, 18-28	2.5	37
63	Sensitive detection of Shiga Toxin 2 and some of its variants in environmental samples by a novel immuno-PCR assay. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 3558-64	4.8	34
62	Effect of food matrices on the biological activity of ricin. <i>Journal of Food Protection</i> , <b>2008</b> , 71, 2053-8	2.5	32
61	<i>Escherichia coli</i> strains producing a novel Shiga toxin 2 subtype circulate in China. <i>International Journal of Medical Microbiology</i> , <b>2020</b> , 310, 151377	3.7	32
60	A single-step purification and molecular characterization of functional Shiga toxin 2 variants from pathogenic <i>Escherichia coli</i> . <i>Toxins</i> , <b>2012</b> , 4, 487-504	4.9	31
59	A simple and sensitive assay for distinguishing the expression of ricin and <i>Ricinus communis</i> agglutinin genes in developing castor seed ( <i>R. communis</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 2358-61	5.7	29
58	Application of a real time polymerase chain reaction method to detect castor toxin contamination in fluid milk and eggs. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 6897-902	5.7	27
57	A polyclonal antibody based immunoassay detects seven subtypes of Shiga toxin 2 produced by <i>Escherichia coli</i> in human and environmental samples. <i>PLoS ONE</i> , <b>2013</b> , 8, e76368	3.7	27
56	New high-affinity monoclonal antibodies against Shiga toxin 1 facilitate the detection of hybrid Stx1/Stx2 in vivo. <i>PLoS ONE</i> , <b>2014</b> , 9, e99854	3.7	26
55	Phage-mediated Shiga toxin (Stx) horizontal gene transfer and expression in non-Shiga toxigenic <i>Enterobacter</i> and <i>Escherichia coli</i> strains. <i>Pathogens and Disease</i> , <b>2016</b> , 74,	4.2	25
54	Milk inhibits the biological activity of ricin. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 27924-9	5.4	25

53	Detection of shiga toxins by lateral flow assay. <i>Toxins</i> , <b>2015</b> , 7, 1163-73	4.9	23
52	Purification and characterization of Shiga toxin 2f, an immunologically unrelated subtype of Shiga toxin 2. <i>PLoS ONE</i> , <b>2013</b> , 8, e59760	3.7	23
51	Detection of castor contamination by real-time polymerase chain reaction. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 545-50	5.7	23
50	An Environmental Shiga Toxin-Producing Escherichia coli O145 Clonal Population Exhibits High-Level Phenotypic Variation That Includes Virulence Traits. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 1090-1101	4.8	20
49	Detoxification of castor meal through reactive seed crushing. <i>Industrial Crops and Products</i> , <b>2013</b> , 43, 194-199	5.9	18
48	Volatile compounds and odor traits of dry-cured ham (Prosciutto crudo) irradiated by electron beam and gamma rays. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 130, 265-272	2.5	17
47	Development of monoclonal antibodies and immunoassays for sensitive and specific detection of Shiga toxin Stx2f. <i>PLoS ONE</i> , <b>2013</b> , 8, e76563	3.7	17
46	Mouse in vivo neutralization of Escherichia coli Shiga toxin 2 with monoclonal antibodies. <i>Toxins</i> , <b>2013</b> , 5, 1845-58	4.9	16
45	Safe and effective means of detecting and quantitating Shiga-like toxins in attomole amounts. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4698-706	7.8	15
44	Serum Shiga toxin 2 values in patients during acute phase of diarrhoea-associated haemolytic uraemic syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2015</b> , 104, e564-8	3.1	15
43	A New Immunoassay for Detecting All Subtypes of Shiga Toxins Produced by Shiga Toxin-Producing E. coli in Ground Beef. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148092	3.7	14
42	Mass Spectrometry-Based Method of Detecting and Distinguishing Type 1 and Type 2 Shiga-Like Toxins in Human Serum. <i>Toxins</i> , <b>2015</b> , 7, 5236-53	4.9	13
41	An in vitro combined antibiotic-antibody treatment eliminates toxicity from Shiga toxin-producing Escherichia coli. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 5435-44	5.9	11
40	A high-throughput, precipitating colorimetric sandwich ELISA microarray for Shiga toxins. <i>Toxins</i> , <b>2014</b> , 6, 1855-72	4.9	11
39	Hypoxic Preconditioning Enhances the Efficacy of Mesenchymal Stem Cells-Derived Conditioned Medium in Switching Microglia toward Anti-inflammatory Polarization in Ischemia/Reperfusion. <i>Cellular and Molecular Neurobiology</i> , <b>2021</b> , 41, 505-524	4.6	11
38	Validation of a cell-free translation assay for detecting shiga toxin 2 in bacterial culture. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 5084-8	5.7	10
37	Structural and Functional Characterization of Stx2k, a New Subtype of Shiga Toxin 2. <i>Microorganisms</i> , <b>2019</b> , 8,	4.9	10
36	Immuno-PCR Assay for Sensitive Detection of Proteins in Real Time. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1318, 139-48	1.4	9

35	Toxin Content of Commercial Castor Cultivars. <i>JAOCs, Journal of the American Oil Chemists Society</i> , <b>2014</b> , 91, 1515-1519	1.8	8
34	Screening for the presence of mcr-1/mcr-2 genes in Shiga toxin-producing <i>Escherichia coli</i> recovered from a major produce-production region in California. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187827	3.7	8
33	New Monoclonal Antibodies against a Novel Subtype of Shiga Toxin 1 Produced by <i>Enterobacter cloacae</i> and Their Use in Analysis of Human Serum. <i>MSphere</i> , <b>2016</b> , 1,	5	7
32	Reducing the toxicity of castor seed meal through processing treatments. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2013</b> , 2, 159-161	4.2	7
31	Particulate Shiga Toxin 2 in Blood is Associated to the Development of Hemolytic Uremic Syndrome in Children. <i>Thrombosis and Haemostasis</i> , <b>2020</b> , 120, 107-120	7	7
30	Soluble Toll-Like Receptor 4 Impairs the Interaction of Shiga Toxin 2a with Human Serum Amyloid P Component. <i>Toxins</i> , <b>2018</b> , 10,	4.9	7
29	An Improved Method for the Sensitive Detection of Shiga Toxin 2 in Human Serum. <i>Toxins</i> , <b>2018</b> , 10,	4.9	6
28	Microwave Heating Inactivates Shiga Toxin (Stx2) in Reconstituted Fat-Free Milk and Adversely Affects the Nutritional Value of Cell Culture Medium. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3301-3305	5.7	6
27	Detection of Abrin Holotoxin Using Novel Monoclonal Antibodies. <i>Toxins</i> , <b>2017</b> , 9,	4.9	6
26	Shiga toxins <b>2017</b> ,		5
25	Plant compounds enhance the assay sensitivity for detection of active <i>Bacillus cereus</i> toxin. <i>Toxins</i> , <b>2015</b> , 7, 835-45	4.9	5
24	Evaluation and comparison of three enzyme-linked immunosorbent assay formats for the detection of ricin in milk and serum. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2012</b> , 1, 105-109	4.2	5
23	New Stx2e Monoclonal Antibodies for Immunological Detection and Distinction of Stx2 Subtypes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132419	3.7	5
22	Development of novel antibodies for detection of mobile colistin-resistant bacteria contaminated in meats. <i>Scientific Reports</i> , <b>2018</b> , 8, 16744	4.9	5
21	Novel monoclonal antibodies against Stx1d and 1e and their use for improving immunoassays. <i>Journal of Immunological Methods</i> , <b>2017</b> , 447, 52-56	2.5	4
20	Low prevalence of mobile colistin-resistance in U.S. meat, catfish, poultry and genomic characterization of a mcr-1 positive <i>Escherichia coli</i> strain. <i>Food Control</i> , <b>2020</b> , 118, 107434	6.2	4
19	Complete Genome Sequence of a Shiga Toxin-Producing Clinical Isolate. <i>Genome Announcements</i> , <b>2017</b> , 5,		4
18	Differential induction of Shiga toxin in environmental <i>Escherichia coli</i> O145:H28 strains carrying the same genotype as the outbreak strains. <i>International Journal of Food Microbiology</i> , <b>2021</b> , 339, 109029	5.8	4

17	Rapid and Label-Free Immunosensing of Shiga Toxin Subtypes with Surface Plasmon Resonance Imaging. <i>Toxins</i> , <b>2020</b> , 12,	4.9	3
16	Abrin Toxicity and Bioavailability after Temperature and pH Treatment. <i>Toxins</i> , <b>2017</b> , 9,	4.9	3
15	Analysis of Castor by ELISAs that Distinguish Ricin and Ricinus communis agglutinin (RCA). <i>JAOCS, Journal of the American Oil Chemists Society</i> , <b>2016</b> , 93, 359-363	1.8	2
14	Evaluation of Castor Oil Samples for Potential Toxin Contamination. <i>JAOCS, Journal of the American Oil Chemists Society</i> , <b>2016</b> , 93, 299-301	1.8	2
13	T cell Receptor V $\beta$ in Method for Rapidly Quantifying Active Staphylococcal Enterotoxin Type-A without Live Animals. <i>Toxins</i> , <b>2019</b> , 11,	4.9	2
12	A Monoclonal-Monoclonal Antibody Based Capture ELISA for Abrin. <i>Toxins</i> , <b>2017</b> , 9,	4.9	2
11	DNA adenine methylase, not the PstI restriction-modification system, regulates virulence gene expression in Shiga toxin-producing Escherichia coli. <i>Food Microbiology</i> , <b>2021</b> , 96, 103722	6	2
10	Alternative to Animal Use for Detecting Biologically Active Staphylococcal Enterotoxin Type A. <i>Toxins</i> , <b>2018</b> , 10,	4.9	2
9	Genomic Insight into Natural Inactivation of Shiga Toxin 2 Production in an Environmental Strain Producing Shiga Toxin 1. <i>Foodborne Pathogens and Disease</i> , <b>2020</b> , 17, 555-567	3.8	1
8	Improved method for extraction of castor seed for toxin determination. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2016</b> , 5, 56-57	4.2	1
7	Detection Methods for Shiga Toxins and Shiga Toxin-Producing E. coli <b>2017</b> , 77-100		1
6	Prevalence and Genetic Analysis of Chromosomal in From U.S. Animal-Derived Samples. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 667406	5.7	1
5	Insights into the Structure and Function of Acyl-CoA: Diacylglycerol Acyltransferase <b>2010</b> , 1-30		0
4	Incorporation of laurate and hydroxylaurate into phosphatidylcholines and acylglycerols in castor microsomes. <i>JAOCS, Journal of the American Oil Chemists Society</i> , <b>2005</b> , 82, 495-499	1.8	
3	Moving Chemistry from Bench to Market: An Introduction to the Agricultural and Food Chemistry Technical Program at the 260th American Chemical Society Fall 2020 Virtual Meeting & Expo. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 13255-13259	5.7	
2	Significant Threats to Human Health <b>2017</b> , 63-75		
1	Conclusions and a Glimpse into the Future <b>2017</b> , 101-113		