Zhi-Ming Yuan

List of Publications by Year
in descending order

138 papers	5,382 citations	136885 32 h-index	106281 65 g-index
147 all docs	147 docs citations	147 times ranked	9474 citing authors

#	Article	IF	Citations
1	Evaluating the virucidal activity of four disinfectants against SARS-CoV-2. American Journal of Infection Control, 2022, 50, 319-324.	1.1	9
2	High-containment facilities and the role they play in global health security. Journal of Biosafety and Biosecurity, 2022, 4, 1-4.	1.4	4
3	Infection and pathogenesis of the Delta variant of SARS-CoV-2 in Rhesus macaque. Virologica Sinica, 2022, , .	1.2	4
4	Efficacy of disinfectants for inactivation of Ebola virus in suspension by integrated cell culture coupled with real-time RTâ€“PCR. Journal of Hospital Infection, 2022, 125, 67-74.	1.4	3
5	mRNA based vaccines provide broad protection against different SARS-CoV-2 variants of concern. Emerging Microbes and Infections, 2022, 11, 1550-1553.	3.0	9
6	In Vitro and In Vivo Characterization of a New Strain of Mosquito Flavivirus Derived from Culicoides. Viruses, 2022, 14, 1298.	1.5	1
7	Vector competence and immune response of Aedes aegypti for Ebinur Lake virus, a newly classified mosquito-borne orthobunyavirus. PLoS Neglected Tropical Diseases, 2022, 16, e0010642.	1.3	2
8	Zika virus pathogenesis and current therapeutic advances. Pathogens and Global Health, 2021, 115, 21-39.	1.0	23
9	A human antibody of potent efficacy against SARS-CoV-2 in rhesus macaques showed strong blocking activity to B.1.351. MAbs, 2021, 13, 1930636.	2.6	13
10	Horizontal transfer of large plasmid with type IV secretion system and mosquitocidal genomic island with excision and integration capabilities in Lysinibacillus sphaericus. Environmental Microbiology, 2021, 23, 5131-5146.	1.8	5
11	Protective Efficacy of Inactivated Vaccine against SARS-CoV-2 Infection in Mice and Non-Human Primates. Virologica Sinica, 2021, 36, 879-889.	1.2	17
12	A SARS-CoV-2 neutralizing antibody with extensive Spike binding coverage and modified for optimal therapeutic outcomes. Nature Communications, 2021, 12, 2623.	5.8	64
13	Development and Characterization of SYBR Green I Based RT-PCR Assay for Detection of Omsk Hemorrhagic Fever Virus. Virologica Sinica, 2021, , 1.	1.2	0
14	Rational design of West Nile virus vaccine through large replacement of 3â€² UTR with internal poly(A). EMBO Molecular Medicine, 2021, 13, e14108.	3.3	8
15	Safety and immunogenicity of an inactivated SARS-CoV-2 vaccine in healthy adults aged 18 years or older: A randomized, double-blind, placebo-controlled, phase 1/2 trial. EClinicalMedicine, 2021, 38, 101010.	3.2	28
16	Comparison and Evaluation of Real-Time Taqman PCR for Detection and Quantification of Ebolavirus. Viruses, 2021, 13, 1575.	1.5	2
17	Dynamic Surveillance of Mosquitoes and Their Viromes in Wuhan During 2020. Zoonoses, 2021, 1, .	0.5	8
18	Characterization of a novel reassortment Tibet orbivirus isolated from Culicoides spp. in Yunnan, PR China. Journal of General Virology, 2021, 102, .	1.3	5

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19	RBD-homodimer, a COVID-19 subunit vaccine candidate, elicits immunogenicity and protection in rodents and nonhuman primates. Cell Discovery, 2021, 7, 82.	3.1	22
20	Characterization of two newly isolated bacteriophages PW2 and PW4 and derived endolysins with lysis activity against Bacillus cereus group strains. Virus Research, 2021, 302, 198489.	1.1	6
21	Increased morbidity of obese mice infected with mouse-adapted SARS-CoV-2. Cell Discovery, 2021, 7, 74.	3.1	1
22	Increased morbidity of obese mice infected with mouse-adapted SARS-CoV-2. Cell Discovery, 2021, 7, 74.	3.1	10
23	Short Direct Repeats in the 3â€² Untranslated Region Are Involved in Subgenomic Flaviviral RNA Production. Journal of Virology, 2020, 94, .	1.5	11
24	A dataset of distribution and diversity of mosquito-associated viruses and their mosquito vectors in China. Scientific Data, 2020, 7, 342.	2.4	17
25	A cell-based large-scale screening of natural compounds for inhibitors of SARS-CoV-2. Signal Transduction and Targeted Therapy, 2020, 5, 218.	7.1	41
26	Characterization of neutralizing antibody with prophylactic and therapeutic efficacy against SARS-CoV-2 in rhesus monkeys. Nature Communications, 2020, 11, 5752.	5.8	59
27	Biochemical and antigenic characterization of the structural proteins and their post-translational modifications in purified SARS-CoV-2 virions of an inactivated vaccine candidate. Emerging Microbes and Infections, 2020, 9, 2653-2662.	3.0	17
28	Low toxicity and high immunogenicity of an inactivated vaccine candidate against COVID-19 in different animal models. Emerging Microbes and Infections, 2020, 9, 2606-2618.	3.0	28
29	Application of Bacillus thuringiensis strains with conjugal and mobilizing capability drives gene transmissibility within Bacillus cereus group populations in confined habitats. BMC Microbiology, 2020, 20, 363.	1.3	2
30	A human neutralizing antibody targets the receptor-binding site of SARS-CoV-2. Nature, 2020, 584, 120-124.	13.7	1,237
31	Effect of an Inactivated Vaccine Against SARS-CoV-2 on Safety and Immunogenicity Outcomes. JAMA - Journal of the American Medical Association, 2020, 324, 951.	3.8	671
32	A mouse model for SARS-CoV-2 infection by exogenous delivery of hACE2 using alphavirus replicon particles. Cell Research, 2020, 30, 1046-1048.	5.7	21
33	An adenovirus-vectored COVID-19 vaccine confers protection from SARS-COV-2 challenge in rhesus macaques. Nature Communications, 2020, 11, 4207.	5.8	194
34	A replication-defective Japanese encephalitis virus (JEV) vaccine candidate with NS1 deletion confers dual protection against JEV and West Nile virus in mice. Npj Vaccines, 2020, 5, 73.	2.9	15
35	Gemcitabine, lycorine and oxysophoridine inhibit novel coronavirus (SARS-CoV-2) in cell culture. Emerging Microbes and Infections, 2020, 9, 1170-1173.	3.0	100
36	The Impact of Exogenous Aerobic Bacteria on Sustainable Methane Production Associated with Municipal Solid Waste Biodegradation: Revealed by High-Throughput Sequencing. Sustainability, 2020, 12, 1815.	1.6	5

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37	SARS-CoV-2 Does Not Replicate in Aedes Mosquito Cells nor Present in Field-Caught Mosquitoes from Wuhan. Virologica Sinica, 2020, 35, 355-358.	1.2	12
38	Infection with novel coronavirus (SARS-CoV-2) causes pneumonia in Rhesus macaques. Cell Research, 2020, 30, 670-677.	5.7	194
39	Different Degrees of 5'-to-3' DAR Interactions Modulate Zika Virus Genome Cyclization and Host-Specific Replication. Journal of Virology, 2020, 94, .	1.5	11
40	Pathogenesis and Immune Response of Ebinur Lake Virus: A Newly Identified Orthobunyavirus That Exhibited Strong Virulence in Mice. Frontiers in Microbiology, 2020, 11, 625661.	1.5	9
41	Stability of the Virome in Lab- and Field-Collected Aedes albopictus Mosquitoes across Different Developmental Stages and Possible Core Viruses in the Publicly Available Virome Data of Aedes Mosquitoes. MSystems, 2020, 5, .	1.7	40
42	Transmission competence of a new mesonivirus, Yichang virus, in mosquitoes and its interference with representative flaviviruses. PLoS Neglected Tropical Diseases, 2020, 14, e0008920.	1.3	11
43	Title is missing!. , 2020, 14, e0008920.		0
44	Title is missing!. , 2020, 14, e0008920.		0
45	Title is missing!. , 2020, 14, e0008920.		0
46	Title is missing!. , 2020, 14, e0008920.		0
47	The discovery and global distribution of novel mosquitoâ€associated viruses in the last decade (2007â€2017). Reviews in Medical Virology, 2019, 29, e2079.	3.9	48
48	Visualization of chikungunya virus infection in vitro and in vivo. Emerging Microbes and Infections, 2019, 8, 1574-1583.	3.0	12
49	Characterization of a Novel Tanay Virus Isolated From Anopheles sinensis Mosquitoes in Yunnan, China. Frontiers in Microbiology, 2019, 10, 1963.	1.5	12
50	Effects of Propoxur Exposure on Insecticidal Susceptibility and Developmental Traits in Culex pipiens quinquefasciatus. Insects, 2019, 10, 288.	1.0	3
51	Rapid detection of Banna virus by reverse transcription-loop-mediated isothermal amplification (RT-LAMP). International Journal of Infectious Diseases, 2019, 78, 93-98.	1.5	9
52	Mosquitoes of Etiological Concern in Kenya and Possible Control Strategies. Insects, 2019, 10, 173.	1.0	17
53	Replication-Defective West Nile Virus with NS1 Deletion as a New Vaccine Platform for Flavivirus. Journal of Virology, 2019, 93, .	1.5	9
54	CesH Represses Cereulide Synthesis as an Alpha/Beta Fold Hydrolase in Bacillus cereus. Toxins, 2019, 11, 231.	1.5	8

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55	Infectious Chikungunya Virus (CHIKV) with a Complete Capsid Deletion: a New Approach for a CHIKV Vaccine. Journal of Virology, 2019, 93, .	1.5	36
56	Biosafety Level 4 Laboratory User Training Program, China. Emerging Infectious Diseases, 2019, 25, .	2.0	5
57	Networking for training Level 3/4 biosafety laboratory staff. Journal of Biosafety and Biosecurity, 2019, 1, 46-49.	1.4	3
58	Inaugural editorial: Towards evidence-based biosafety and biosecurity. Journal of Biosafety and Biosecurity, 2019, 1, 1-2.	1.4	1
59	Influences of magnetic powder addition on the anaerobic digestion of municipal dewatered sludge. Environmental Progress and Sustainable Energy, 2019, 38, 374-379.	1.3	6
60	Characterization of Ebinur Lake Virus and Its Human Seroprevalence at the Chinaâ€“Kazakhstan Border. Frontiers in Microbiology, 2019, 10, 3111.	1.5	14
61	Mapping the virome in lab-reared and wild-caught Aedes albopictus mosquitoes. Access Microbiology, 2019, 1, .	0.2	4
62	Evaluation of MICRO-CHEM PLUS as a Disinfectant for Biosafety Level 4 Laboratory in China. Applied Biosafety, 2018, 23, 32-38.	0.2	0
63	Comparative Metagenomic Profiling of Viromes Associated with Four Common Mosquito Species in China. Virologica Sinica, 2018, 33, 59-66.	1.2	46
64	Investigation of Viral Pathogen Profiles in Some Natural Hosts and Vectors in China. Virologica Sinica, 2018, 33, 1-4.	1.2	1
65	Regulator DegU is required for multicellular behavior in Lysinibacillus sphaericus. Research in Microbiology, 2018, 169, 177-187.	1.0	8
66	Mosquito-Associated Viruses in China. Virologica Sinica, 2018, 33, 5-20.	1.2	59
67	Development and evaluation of oneâ€step multiplex realâ€time RTâ€PCR assay for simultaneous detection of Zika virus and Chikungunya virus. Journal of Medical Virology, 2018, 90, 389-396.	2.5	10
68	vB_LspM-01: a novel myovirus displaying pseudolysogeny in Lysinibacillus sphaericus C3-41. Applied Microbiology and Biotechnology, 2018, 102, 10691-10702.	1.7	1
69	Network for safe and secure labs. Science, 2018, 362, 267-267.	6.0	1
70	First Isolation and Characterization of a Group C Banna Virus (BAV) from Anopheles sinensis Mosquitoes in Hubei, China. Viruses, 2018, 10, 555.	1.5	19
71	Complete Genome Sequence of a New Strain of Tanay Virus, Isolate YN15_103_01, from Yunnan, China. Genome Announcements, 2018, 6, .	0.8	3
72	Homologous RNA secondary structure duplications in 3â€² untranslated region influence subgenomic RNA production and replication of dengue virus. Virology, 2018, 524, 114-126.	1.1	12

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73	A toxin-antitoxin system is essential for the stability of mosquitocidal plasmid pBsph of Lysinibacillus sphaericus. Microbiological Research, 2018, 214, 114-122.	2.5	2
74	Metagenomic Virome Analysis of Culex Mosquitoes from Kenya and China. Viruses, 2018, 10, 30.	1.5	74
75	Generation and characterization of West Nile pseudo-infectious reporter virus for antiviral screening. Antiviral Research, 2017, 141, 38-47.	1.9	13
76	Isolation and characterization of a novel mesonivirus from Culex mosquitoes in China. Virus Research, 2017, 240, 130-139.	1.1	18
77	The LspC3â€“41I restriction-modification system is the major determinant for genetic manipulations of Lysinibacillus sphaericus C3â€“41. BMC Microbiology, 2017, 17, 116.	1.3	9
78	Characterization of three autolysins with activity against cereulide-producing Bacillus isolates in food matrices. International Journal of Food Microbiology, 2017, 241, 291-297.	2.1	12
79	Identification and genomic comparison of temperate bacteriophages derived from emetic Bacillus cereus. PLoS ONE, 2017, 12, e0184572.	1.1	20
80	Development of Neutralization Assay Using an eGFP Chikungunya Virus. Viruses, 2016, 8, 181.	1.5	21
81	A new strategy for full-length Ebola virus glycoprotein expression in E.coli. Virologica Sinica, 2016, 31, 500-508.	1.2	1
82	Transmembrane Domains of NS2B Contribute to both Viral RNA Replication and Particle Formation in Japanese Encephalitis Virus. Journal of Virology, 2016, 90, 5735-5749.	1.5	48
83	The 2014 Ebola virus outbreak in West Africa highlights no evidence of rapid evolution or adaptation to humans. Scientific Reports, 2016, 6, 35822.	1.6	6
84	Effects of exogenous aerobic bacteria on methane production and biodegradation of municipal solid waste in bioreactors. Waste Management, 2016, 55, 93-98.	3.7	21
85	Polyphosphate kinase of Lysinibacillus sphaericus and its effects on accumulation of polyphosphate and bacterial growth. Microbiological Research, 2015, 172, 41-47.	2.5	13
86	Genetic interaction between NS4A and NS4B for replication of Japanese encephalitis virus. Journal of General Virology, 2015, 96, 1264-1275.	1.3	24
87	Characterization of Dengue Virus NS4A and NS4B Protein Interaction. Journal of Virology, 2015, 89, 3455-3470.	1.5	116
88	Mapping the Interactions between the NS4B and NS3 Proteins of Dengue Virus. Journal of Virology, 2015, 89, 3471-3483.	1.5	83
89	Identifying the pattern of molecular evolution for Zaire ebolavirus in the 2014 outbreak in West Africa. Infection, Genetics and Evolution, 2015, 32, 51-59.	1.0	19
90	Development of a stable Gaussia luciferase enterovirus 71 reporter virus. Journal of Virological Methods, 2015, 219, 62-66.	1.0	21

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91	Genome comparison provides molecular insights into the phylogeny of the reassigned new genus Lysinibacillus. BMC Genomics, 2015, 16, 140.	1.2	25
92	Two Distinct Sets of NS2A Molecules Are Responsible for Dengue Virus RNA Synthesis and Virion Assembly. Journal of Virology, 2015, 89, 1298-1313.	1.5	90
93	A Metagenomic Survey of Viral Abundance and Diversity in Mosquitoes from Hubei Province. PLoS ONE, 2015, 10, e0129845.	1.1	53
94	Nucleoprotein-based indirect enzyme-linked immunosorbent assay (indirect ELISA) for detecting antibodies specific to Ebola virus and Marbug virus. Virologica Sinica, 2014, 29, 372-380.	1.2	9
95	A new tubRZ operon involved in the maintenance of the Bacillus sphaericus mosquitocidal plasmid pBsph. Microbiology (United Kingdom), 2014, 160, 1112-1124.	0.7	23
96	Comparison of Genotypes I and III in Japanese Encephalitis Virus Reveals Distinct Differences in Their Genetic and Host Diversity. Journal of Virology, 2014, 88, 11469-11479.	1.5	55
97	Collagen-Like Glycoprotein BclS Is Involved in the Formation of Filamentous Structures of the Lysinibacillus sphaericus Exosporium. Applied and Environmental Microbiology, 2014, 80, 6656-6663.	1.4	6
98	The Interface between Methyltransferase and Polymerase of NS5 Is Essential for Flavivirus Replication. PLoS Neglected Tropical Diseases, 2014, 8, e2891.	1.3	38
99	A Novel Transcriptional Activator, tubX , Is Required for the Stability of Bacillus sphaericus Mosquitocidal Plasmid pBsph. Journal of Bacteriology, 2014, 196, 4304-4314.	1.0	13
100	Construction and characterization of the interdomain chimeras using Cry11Aa and Cry11Ba from Bacillus thuringiensis and identification of a possible novel toxic chimera. Biotechnology Letters, 2014, 36, 105-111.	1.1	7
101	Dengue virus subgenomic RNA induces apoptosis through the Bcl-2-mediated PI3k/Akt signaling pathway. Virology, 2014, 448, 15-25.	1.1	63
102	Recovery of a chemically synthesized Japanese encephalitis virus reveals two critical adaptive mutations in NS2B and NS4A. Journal of General Virology, 2014, 95, 806-815.	1.3	40
103	Critical role of Dengue Virus NS1 protein in viral replication. Virologica Sinica, 2014, 29, 162-169.	1.2	29
104	The genetic diversity of cereulide biosynthesis gene cluster indicates a composite transposon Tnces in emetic Bacillus weihenstephanensis. BMC Microbiology, 2014, 14, 149.	1.3	33
105	Inhibition of japanese encephalitis virus infection by flavivirus recombinant e protein domain III. Virologica Sinica, 2013, 28, 152-160.	1.2	16
106	Mutagenesis of D80-82 and G83 residues in West Nile Virus NS2B: Effects on NS2B-NS3 activity and viral replication. Virologica Sinica, 2013, 28, 16-23.	1.2	4
107	Nanoscale mono- and multi-layer cylinder structures formed by recombinant S-layer proteins of mosquitocidal Bacillus sphaericus C3-41. Applied Microbiology and Biotechnology, 2013, 97, 7275-7283.	1.7	3
108	Single nucleotide deletion of cqm1 gene results in the development of resistance to Bacillus sphaericus in Culex quinquefasciatus. Journal of Insect Physiology, 2013, 59, 967-973.	0.9	35

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109	Development and characterization of West Nile virus replicon expressing secreted Gaussia Luciferase. Virologica Sinica, 2013, 28, 161-166.	1.2	6
110	Substrate preference of 5â€²-methylthioadenosine/S-adenosylhomocysteine nucleosidase inBurkholderia thailandensis. FEMS Microbiology Letters, 2013, 339, 110-116.	0.7	4
111	Rapid detection of filoviruses by real-time TaqMan polymerase chain reaction assays. Virologica Sinica, 2012, 27, 273-277.	1.2	52
112	CcpA-Mediated Enhancement of Sugar and Amino Acid Metabolism in Lysinibacillus sphaericus by NMR-Based Metabolomics. Journal of Proteome Research, 2012, 11, 4654-4661.	1.8	15
113	Generation of mariner-based transposon insertion mutant library of Bacillus sphaericus 2297 and investigation of genes involved in sporulation and mosquito-larvicidal crystal protein synthesis. FEMS Microbiology Letters, 2012, 330, 105-112.	0.7	11
114	Modulation of a thermoregulated type VI secretion system by AHL-dependent Quorum Sensing in Yersinia pseudotuberculosis. Archives of Microbiology, 2011, 193, 351-63.	1.0	50
115	Surface display of domain III of Japanese encephalitis virus E protein on Salmonella typhimurium by using an ice nucleation protein. Virologica Sinica, 2011, 26, 409-417.	1.2	3
116	Allelic Diversity and Population Structure of Bacillus sphaericus as Revealed by Multilocus Sequence Typing. Applied and Environmental Microbiology, 2011, 77, 5553-5556.	1.4	21
117	A Single Amino Acid in Nonstructural Protein NS4B Confers Virulence to Dengue Virus in AG129 Mice through Enhancement of Viral RNA Synthesis. Journal of Virology, 2011, 85, 7775-7787.	1.5	73
118	Identification of palmatine as an inhibitor of West Nile virus. Archives of Virology, 2010, 155, 1325-1329.	0.9	68
119	Occurrence of psychrotolerant Bacillus cereus group strains in ice creams. International Journal of Food Microbiology, 2010, 137, 143-146.	2.1	29
120	Cyclosporine Inhibits Flavivirus Replication through Blocking the Interaction between Host Cyclophilins and Viral NS5 Protein. Antimicrobial Agents and Chemotherapy, 2009, 53, 3226-3235.	1.4	116
121	Species-Specific Cell Wall Binding Affinity of the S-Layer Proteins of Mosquitocidal Bacterium Bacillus sphaericus C3-41. Applied and Environmental Microbiology, 2009, 75, 3891-3895.	1.4	8
122	Biodegradation of Methyl tert-Butyl Ether by Enriched Bacterial Culture. Current Microbiology, 2009, 59, 30-34.	1.0	14
123	Bacterial cell surface display: a method for studying Japanese encephalitis virus pathogenicity. Japanese Journal of Infectious Diseases, 2009, 62, 402-8.	0.5	2
124	The occurrence of Bacillus cereus, B. thuringiensis and B. mycoides in Chinese pasteurized full fat milk. International Journal of Food Microbiology, 2008, 121, 195-200.	2.1	74
125	The residual occurrences of Bacillus thuringiensis biopesticides in food and beverages. International Journal of Food Microbiology, 2008, 127, 68-72.	2.1	12
126	Phylogenetic Analysis and Heterologous Expression of Surface Layer Protein SlpC ofBacillus sphaericusC3-41. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1257-1263.	0.6	14

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127	Complete Genome Sequence of the Mosquitocidal Bacterium Bacillus sphaericus C3-41 and Comparison with Those of Closely Related Bacillus Species. Journal of Bacteriology, 2008, 190, 2892-2902.	1.0	80
128	Molecular Characterization of a Glucokinase with Broad Hexose Specificity from Bacillus sphaericus Strain C3-41. Applied and Environmental Microbiology, 2007, 73, 3581-3586.	1.4	28
129	Proteolytic Stability of Insecticidal Toxins Expressed in Recombinant Bacilli. Applied and Environmental Microbiology, 2007, 73, 218-225.	1.4	17
130	A new Cry toxin with a unique twoâ€component dependency from Bacillus sphaericus. FASEB Journal, 2007, 21, 4112-4120.	0.2	69
131	Detection and phylogenic analysis of one anthrax virulence plasmid pXO1 conservative open reading frame ubiquitous presented within Bacillus cereus group strains. Biochemical and Biophysical Research Communications, 2006, 349, 1214-1219.	1.0	7
132	Transfer and expression of the mosquitocidal plasmid pBtoxis in Bacillus cereus group strains. FEMS Microbiology Letters, 2005, 245, 239-247.	0.7	28
133	Conjugative transfer, stability and expression of a plasmid encoding acry1Ac gene inBacillus cereusgroup strains. FEMS Microbiology Letters, 2004, 231, 45-52.	0.7	41
134	Detection of Enterotoxin Genes in Mosquito-Larvicidal Bacillus Species. Current Microbiology, 2002, 45, 221-225.	1.0	9
135	Cloning and Expression of the Binary Toxin Gene from Bacillus sphaericus IAB872 in a Crystal-Minus Bacillus thuringiensis subsp. israelensis. Current Microbiology, 2001, 43, 21-25.	1.0	11
136	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 385-389.	1.7	5
137	Coexpression of cyt1Aa of Bacillus thuringiensis subsp. israelensis with Bacillus sphaericus Binary Toxin Gene in Acrystalliferous Strain of B. thuringiensis. Current Microbiology, 2000, 40, 322-326.	1.0	10
138	High-Level Field Resistance to Bacillus sphaericus C3-41 in Culex quinquefasciatus from Southern China. Biocontrol Science and Technology, 2000, 10, 41-49.	0.5	100