

# Elke Genersch

## List of Publications by Year in Descending Order

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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.

87  
papers

7,125  
citations

44  
h-index

84  
g-index

93  
ext. papers

8,220  
ext. citations

4.9  
avg, IF

6.23  
L-index

#	Paper	IF	Citations
87	Cold case: The disappearance of Egypt bee virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970s Egypt.. <i>Virology Journal</i> , <b>2022</b> , 19, 12	6.1	2
86	Tripartite interactions: How immunity, microbiota and pathogens interact and affect pathogen virulence evolution.. <i>Current Opinion in Insect Science</i> , <b>2022</b> , 50, 100871-100871	5.1	1
85	Molecular basis of antibiotic self-resistance in a bee larvae pathogen.. <i>Nature Communications</i> , <b>2022</b> , 13, 2349	17.4	0
84	The Buzz about ADP-Ribosylation Toxins from , the Causative Agent of American Foulbrood in Honey Bees. <i>Toxins</i> , <b>2021</b> , 13,	4.9	2
83	Total Synthesis and Biological Evaluation of Paenilamicins from the Honey Bee Pathogen .. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,	16.4	2
82	Rapid Gastrointestinal Passage May Protect <i>Bombus terrestris</i> from Becoming a True Host for <i>Nosema ceranae</i> . <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	14
81	Characterization of C3larvinA, a novel RhoA-targeting ADP-ribosyltransferase toxin produced by the honey bee pathogen, <i>Paenibacillus larvae</i> . <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	5
80	Development of a loop-mediated isothermal amplification (LAMP) and a direct LAMP for the specific detection of <i>Nosema ceranae</i> , a parasite of honey bees. <i>Parasitology Research</i> , <b>2020</b> , 119, 3947-3956	2.4	3
79	Direct Evidence for Infection of Mites with the Bee-Pathogenic Deformed Wing Virus Variant B - but Not Variant A - via Fluorescence-Hybridization Analysis. <i>Journal of Virology</i> , <b>2020</b> ,	6.6	10
78	The biological role of the enigmatic C3larvinAB toxin of the honey bee pathogenic bacterium <i>Paenibacillus larvae</i> . <i>Environmental Microbiology</i> , <b>2019</b> , 21, 3091-3106	5.2	5
77	Bacterial pathogens of bees. <i>Current Opinion in Insect Science</i> , <b>2018</b> , 26, 89-96	5.1	23
76	Swarming motility and biofilm formation of <i>Paenibacillus larvae</i> , the etiological agent of American Foulbrood of honey bees ( <i>Apis mellifera</i> ). <i>Scientific Reports</i> , <b>2018</b> , 8, 8840	4.9	14
75	In vivo evolution of viral virulence: switching of deformed wing virus between hosts results in virulence changes and sequence shifts. <i>Environmental Microbiology</i> , <b>2018</b> , 20, 4612-4628	5.2	42
74	Unity in defence: honeybee workers exhibit conserved molecular responses to diverse pathogens. <i>BMC Genomics</i> , <b>2017</b> , 18, 207	4.5	63
73	Foulbrood Diseases of Honey BeesFrom Science to Practice <b>2017</b> , 157-174		2
72	Characterization of the toxin Plx2A, a RhoA-targeting ADP-ribosyltransferase produced by the honey bee pathogen <i>Paenibacillus larvae</i> . <i>Environmental Microbiology</i> , <b>2017</b> , 19, 5100-5116	5.2	14
71	Country-specific effects of neonicotinoid pesticides on honey bees and wild bees. <i>Science</i> , <b>2017</b> , 356, 1393-1395	33.3	367

70	Viruses of commercialized insect pollinators. <i>Journal of Invertebrate Pathology</i> , <b>2017</b> , 147, 51-59	2.6	46
69	Long-Term Temporal Trends of spp. Infection Prevalence in Northeast Germany: Continuous Spread of , an Emerging Pathogen of Honey Bees (), but No General Replacement of. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 301	5.9	31
68	Biological Role of Paenilarvins, Iturin-Like Lipopeptide Secondary Metabolites Produced by the Honey Bee Pathogen <i>Paenibacillus</i> larvae. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164656	3.7	15
67	Biology of <i>Paenibacillus</i> larvae, a deadly pathogen of honey bee larvae. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 7387-95	5.7	44
66	Involvement of secondary metabolites in the pathogenesis of the American foulbrood of honey bees caused by <i>Paenibacillus</i> larvae. <i>Natural Product Reports</i> , <b>2015</b> , 32, 765-78	15.1	28
65	Die Amerikanische Faulbrut, eine ernsthafte Bedrohung der Honigbiene. <i>BioSpektrum</i> , <b>2015</b> , 21, 154-157	0.1	
64	Biogeography of <i>Paenibacillus</i> larvae, the causative agent of American foulbrood, using a new multilocus sequence typing scheme. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 1414-24	5.2	50
63	Identification of candidate agents active against <i>N. ceranae</i> infection in honey bees: establishment of a medium throughput screening assay based on <i>N. ceranae</i> infected cultured cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117200	3.7	22
62	Molecular pathogenesis of American Foulbrood: how <i>Paenibacillus</i> larvae kills honey bee larvae. <i>Current Opinion in Insect Science</i> , <b>2015</b> , 10, 29-36	5.1	25
61	Honey bee colony losses and associated viruses. <i>Current Opinion in Insect Science</i> , <b>2015</b> , 8, 121-129	5.1	164
60	Paenilamicin: structure and biosynthesis of a hybrid nonribosomal peptide/polyketide antibiotic from the bee pathogen <i>Paenibacillus</i> larvae. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10821-5	16.4	55
59	Elucidation of sevadicin, a novel non-ribosomal peptide secondary metabolite produced by the honey bee pathogenic bacterium <i>Paenibacillus</i> larvae. <i>Environmental Microbiology</i> , <b>2014</b> , 16, 1297-309	5.2	34
58	Rapid identification of differentially virulent genotypes of <i>Paenibacillus</i> larvae, the causative organism of American foulbrood of honey bees, by whole cell MALDI-TOF mass spectrometry. <i>Veterinary Microbiology</i> , <b>2014</b> , 170, 291-7	3.3	33
57	How to kill the honey bee larva: genomic potential and virulence mechanisms of <i>Paenibacillus</i> larvae. <i>PLoS ONE</i> , <b>2014</b> , 9, e90914	3.7	68
56	Production of the catechol type siderophore bacillibactin by the honey bee pathogen <i>Paenibacillus</i> larvae. <i>PLoS ONE</i> , <b>2014</b> , 9, e108272	3.7	39
55	<i>Paenibacillus</i> larvae chitin-degrading protein PLCBP49 is a key virulence factor in American Foulbrood of honey bees. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004284	7.6	50
54	Biological effects of paenilamicin, a secondary metabolite antibiotic produced by the honey bee pathogenic bacterium <i>Paenibacillus</i> larvae. <i>MicrobiologyOpen</i> , <b>2014</b> , 3, 642-56	3.4	36
53	Identification and characterization of two novel toxins expressed by the lethal honey bee pathogen <i>Paenibacillus</i> larvae, the causative agent of American foulbrood. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 2951-65	5.2	40

52	Molecular differentiation of <i>Nosema apis</i> and <i>Nosema ceranae</i> based on species-specific sequence differences in a protein coding gene. <i>Journal of Invertebrate Pathology</i> , <b>2013</b> , 113, 1-6	2.6	31
51	Honey bee larval peritrophic matrix degradation during infection with <i>Paenibacillus</i> larvae, the aetiological agent of American foulbrood of honey bees, is a key step in pathogenesis. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 2894-901	5.2	39
50	Standard methods for molecular research in <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , <b>2013</b> , 52, 1-54	2	113
49	Standard methods for cell cultures in <i>Apis mellifera</i> research. <i>Journal of Apicultural Research</i> , <b>2013</b> , 52, 1-8	2	25
48	Standard methods for American foulbrood research. <i>Journal of Apicultural Research</i> , <b>2013</b> , 52, 1-28	2	76
47	Standard methods for <i>Nosema</i> research. <i>Journal of Apicultural Research</i> , <b>2013</b> , 52, 1-28	2	222
46	Standard methods for virus research in <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , <b>2013</b> , 52, 1-56	2	176
45	Standard methods for artificial rearing of <i>Apis mellifera</i> larvae. <i>Journal of Apicultural Research</i> , <b>2013</b> , 52, 1-16	2	188
44	Proteome analysis of <i>Paenibacillus</i> larvae reveals the existence of a putative S-layer protein. <i>Environmental Microbiology Reports</i> , <b>2012</b> , 4, 194-202	3.7	25
43	Evidence for damage-dependent hygienic behaviour towards <i>Varroa destructor</i> -parasitised brood in the western honey bee, <i>Apis mellifera</i> . <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 264-71	3	63
42	Heterologous expression of green fluorescent protein in <i>Paenibacillus</i> larvae, the causative agent of American Foulbrood of honey bees. <i>Journal of Applied Microbiology</i> , <b>2012</b> , 112, 430-5	4.7	17
41	Identification and functional analysis of the S-layer protein SplA of <i>Paenibacillus</i> larvae, the causative agent of American Foulbrood of honey bees. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002716	7.6	59
40	Horizontal transmission of deformed wing virus: pathological consequences in adult bees ( <i>Apis mellifera</i> ) depend on the transmission route. <i>Journal of General Virology</i> , <b>2011</b> , 92, 370-7	4.9	119
39	Evidence for emerging parasites and pathogens influencing outbreaks of stress-related diseases like chalkbrood. <i>Journal of Invertebrate Pathology</i> , <b>2011</b> , 108, 167-73	2.6	57
38	A cell culture model for <i>Nosema ceranae</i> and <i>Nosema apis</i> allows new insights into the life cycle of these important honey bee-pathogenic microsporidia. <i>Environmental Microbiology</i> , <b>2011</b> , 13, 404-13	5.2	75
37	Dominance of <i>Nosema ceranae</i> in honey bees in the Balkan countries in the absence of symptoms of colony collapse disorder. <i>Apidologie</i> , <b>2011</b> , 42, 49-58	2.3	73
36	Deformed wing virus. <i>Journal of Invertebrate Pathology</i> , <b>2010</b> , 103 Suppl 1, S48-61	2.6	356
35	American Foulbrood in honeybees and its causative agent, <i>Paenibacillus</i> larvae. <i>Journal of Invertebrate Pathology</i> , <b>2010</b> , 103 Suppl 1, S10-9	2.6	306

34	Honey bee disease overview. <i>Journal of Invertebrate Pathology</i> , <b>2010</b> , 103 Suppl 1, S2-4	2.6	47
33	Five-year cohort study of Nosema spp. in Germany: does climate shape virulence and assertiveness of Nosema ceranae?. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 3032-8	4.8	168
32	The German bee monitoring project: a long term study to understand periodically high winter losses of honey bee colonies. <i>Apidologie</i> , <b>2010</b> , 41, 332-352	2.3	463
31	Honey bee pathology: current threats to honey bees and beekeeping. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 87-97	5.7	247
30	Emerging and re-emerging viruses of the honey bee ( <i>Apis mellifera</i> L.). <i>Veterinary Research</i> , <b>2010</b> , 41, 54	3.8	185
29	Negative correlation between individual-insect-level virulence and colony-level virulence of Paenibacillus larvae, the etiological agent of American foulbrood of honeybees. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 3344-7	4.8	73
28	Deformed wing virus: replication and viral load in mites ( <i>Varroa destructor</i> ). <i>Journal of General Virology</i> , <b>2009</b> , 90, 463-467	4.9	184
27	Use of suppression subtractive hybridization to identify genetic differences between differentially virulent genotypes of Paenibacillus larvae, the etiological agent of American Foulbrood of honeybees. <i>Environmental Microbiology Reports</i> , <b>2009</b> , 1, 240-50	3.7	27
26	Fluorescence in situ hybridization (FISH) analysis of the interactions between honeybee larvae and Paenibacillus larvae, the causative agent of American foulbrood of honeybees ( <i>Apis mellifera</i> ). <i>Environmental Microbiology</i> , <b>2008</b> , 10, 1612-20	5.2	103
25	Varroosis [The Ongoing Crisis in Bee Keeping. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , <b>2008</b> , 3, 221-228	2.3	150
24	Paenibacillus larvae and American Foulbrood [long since known and still surprising. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , <b>2008</b> , 3, 429-434	2.3	37
23	Vertical-transmission routes for deformed wing virus of honeybees ( <i>Apis mellifera</i> ). <i>Journal of General Virology</i> , <b>2007</b> , 88, 2329-2336	4.9	128
22	Widespread dispersal of the microsporidian Nosema ceranae, an emergent pathogen of the western honey bee, <i>Apis mellifera</i> . <i>Journal of Invertebrate Pathology</i> , <b>2007</b> , 96, 1-10	2.6	393
21	Reclassification of Paenibacillus larvae subsp. pulvifaciens and Paenibacillus larvae subsp. larvae as Paenibacillus larvae without subspecies differentiation. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 501-511	2.2	240
20	Detection of Deformed wing virus, a honey bee viral pathogen, in bumble bees ( <i>Bombus terrestris</i> and <i>Bombus pascuorum</i> ) with wing deformities. <i>Journal of Invertebrate Pathology</i> , <b>2006</b> , 91, 61-3	2.6	154
19	Reclassification, genotypes and virulence of Paenibacillus larvae, the etiological agent of American foulbrood in honeybees [a review. <i>Apidologie</i> , <b>2006</b> , 37, 411-420	2.3	47
18	American foulbrood of the honey bee: occurrence and distribution of different genotypes of Paenibacillus larvae in the administrative district of Arnsberg (North Rhine-Westphalia). <i>Zoonoses and Public Health</i> , <b>2006</b> , 53, 100-4		28
17	Development of a rapid and sensitive RT-PCR method for the detection of deformed wing virus, a pathogen of the honeybee ( <i>Apis mellifera</i> ). <i>Veterinary Journal</i> , <b>2005</b> , 169, 121-3	2.5	51

16	RT-PCR analysis of Deformed wing virus in honeybees ( <i>Apis mellifera</i> ) and mites ( <i>Varroa destructor</i> ). <i>Journal of General Virology</i> , <b>2005</b> , 86, 3419-3424	4.9	249
15	Strain- and genotype-specific differences in virulence of <i>Paenibacillus larvae</i> subsp. <i>larvae</i> , a bacterial pathogen causing American foulbrood disease in honeybees. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 7551-5	4.8	141
14	Biochemical characterization of different genotypes of <i>Paenibacillus larvae</i> subsp. <i>larvae</i> , a honey bee bacterial pathogen. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 2381-2390	2.9	69
13	Laminin-1 promotes angiogenesis in synergy with fibroblast growth factor by distinct regulation of the gene and protein expression profile in endothelial cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 23766-72	5.4	48
12	Proposal to reclassify <i>Paenibacillus larvae</i> subsp. <i>pulvifaciens</i> DSM 3615 (ATCC 49843) as <i>Paenibacillus larvae</i> subsp. <i>larvae</i> . Results of a comparative biochemical and genetic study. <i>Veterinary Microbiology</i> , <b>2004</b> , 104, 31-42	3.3	21
11	Laminin isoforms differentially regulate adhesion, spreading, proliferation, and ERK activation of beta1 integrin-null cells. <i>Experimental Cell Research</i> , <b>2004</b> , 300, 94-108	4.2	37
10	Integrin alpha5beta3 binding to human alpha5-laminins facilitates FGF-2- and VEGF-induced proliferation of human ECV304 carcinoma cells. <i>European Journal of Cell Biology</i> , <b>2003</b> , 82, 105-17	6.1	24
9	Opposing roles of integrin alpha6beta1 and dystroglycan in laminin-mediated extracellular signal-regulated kinase activation. <i>Molecular Biology of the Cell</i> , <b>2003</b> , 14, 2088-103	3.5	61
8	The use of repetitive element PCR fingerprinting (rep-PCR) for genetic subtyping of German field isolates of <i>Paenibacillus larvae</i> subsp. <i>larvae</i> . <i>Apidologie</i> , <b>2003</b> , 34, 195-206	2.3	73
7	Effect of bosentan on NF-kappaB, inflammation, and tissue factor in angiotensin II-induced end-organ damage. <i>Hypertension</i> , <b>2000</b> , 36, 282-90	8.5	127
6	Prevention of EGF-modulated adhesion of tumor cells to matrix proteins by specific EGF receptor inhibition. <i>International Journal of Cancer</i> , <b>1998</b> , 75, 205-9	7.5	15
5	Signaling by epidermal growth factor differentially affects integrin-mediated adhesion of tumor cells to extracellular matrix proteins. <i>Journal of Molecular Medicine</i> , <b>1996</b> , 74, 609-16	5.5	23
4	Differential effects of DNA-binding proteins on bidirectional transcription from the common promoter region of human collagen type IV genes COL4A1 and COL4A2. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1993</b> , 1174, 1-10		35
3	Detection of adenovirus nucleic acid sequences in human tonsils in the absence of infectious virus. <i>Virus Research</i> , <b>1987</b> , 7, 93-7	6.4	66
2	Molecular Basis of Antibiotic Self-Resistance in a Bee Larvae Pathogen		1
1	Morphologic and molecular data help adopting the insect-pathogenic nephridiophagids (Nephridiophagidae) among the early diverging fungal lineages, close to the Chytridiomycota. <i>MycoKeys</i> , <b>25</b> , 31-50	2.4	12