Kazunari Kamachi

List of Publications by Year
in descending order

60 papers	1,958 citations	304743 22 h-index	254184 43 g-index
61 all docs	61 docs citations	61 times ranked	1735 citing authors

#	Article	IF	Citations
1	Global Population Structure and Evolution of Bordetella pertussis and Their Relationship with Vaccination. MBio, 2014, 5, e01074.	4.1	257
2	A Role for Glutamine Synthetase in the Remobilization of Leaf Nitrogen during Natural Senescence in Rice Leaves. Plant Physiology, 1991, 96, 411-417.	4.8	247
3	Vascular Bundle-Specific Localization of Cytosolic Glutamine Synthetase in Rice Leaves. Plant Physiology, 1992, 99, 1481-1486.	4.8	134
4	Prevalence and Genetic Characterization of Pertactin-Deficient Bordetella pertussis in Japan. PLoS ONE, 2012, 7, e31985.	2.5	124
5	Changes in Cytosolic Glutamine Synthetase Polypeptide and its mRNA in a Leaf Blade of Rice Plants during Natural Senescence. Plant Physiology, 1992, 98, 1323-1329.	4.8	97
6	A novel apoptosis-inducing protein from Helicobacter pylori. Molecular Microbiology, 2003, 47, 443-451.	2.5	97
7	Tissue Distribution of Glutamate Synthase and Glutamine Synthetase in Rice Leaves. Plant Physiology, 1992, 100, 1427-1432.	4.8	78
8	Development and Evaluation of a Loop-Mediated Isothermal Amplification Method for Rapid Diagnosis of Bordetella pertussis Infection. Journal of Clinical Microbiology, 2006, 44, 1899-1902.	3.9	75
9	Genetic Analysis of Bordetella pertussis Isolates from the 2008â€“2010 Pertussis Epidemic in Japan. PLoS ONE, 2013, 8, e77165.	2.5	67
10	Transmission ofBordetella holmesiiduring Pertussis Outbreak, Japan. Emerging Infectious Diseases, 2012, 18, 1166-1169.	4.3	55
11	Characterization of a Novel Plasmid-Mediated Cephalosporinase (CMY-9) and Its Genetic Environment in an Escherichia coli Clinical Isolate. Antimicrobial Agents and Chemotherapy, 2002, 46, 2427-2434.	3.2	54
12	Plasmid pBP136 from Bordetella pertussis represents an ancestral form of IncP-1Î² plasmids without accessory mobile elements. Microbiology (United Kingdom), 2006, 152, 3477-3484.	1.8	46
13	Differential Expression of Type III Effector BteA Protein Due to IS481 Insertion in Bordetella pertussis. PLoS ONE, 2011, 6, e17797.	2.5	43
14	Marked difference between adults and children in Bordetella pertussis DNA load in nasopharyngeal swabs. Clinical Microbiology and Infection, 2011, 17, 365-370.	6.0	42
15	Purification, Characterization, and Immunological Properties of NADH-Dependent Glutamate Synthase from Rice Cell Cultures. Plant Physiology, 1992, 98, 1317-1322.	4.8	41
16	Antigenic Divergence Suggested by Correlation between Antigenic Variation and Pulsed-Field Gel Electrophoresis Profiles of Bordetella pertussis Isolates in Japan. Journal of Clinical Microbiology, 2004, 42, 5453-5457.	3.9	29
17	Analysis of Bordetella pertussis isolates collected in Japan before and after introduction of acellular pertussis vaccines. Vaccine, 2001, 19, 3248-3252.	3.8	27
18	A New SHV-Derived Extended-Spectrum Î²-Lactamase (SHV-24) That Hydrolyzes Ceftazidime through a Single-Amino-Acid Substitution (D179G) in the Î©-Loop. Antimicrobial Agents and Chemotherapy, 2000, 44, 1725-1727.	3.2	26

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19	Significant Decrease in Pertactin-Deficient Bordetella pertussis Isolates, Japan. Emerging Infectious Diseases, 2017, 23, 699-701.	4.3	26
20	DNA vaccine encoding pertussis toxin S1 subunit induces protection against Bordetella pertussis in mice. Vaccine, 2003, 21, 4609-4615.	3.8	25
21	Antigenic variation in Bordetella pertussis isolates recovered from adults and children in Japan. Vaccine, 2008, 26, 1530-1534.	3.8	23
22	Safe and effective booster immunization using DTaP in teenagers. Vaccine, 2010, 28, 7626-7633.	3.8	22
23	Distribution of pertussis antibodies among different age groups in Japan. Vaccine, 2002, 20, 1711-1717.	3.8	21
24	Bordetella pertussis population dynamics and phylogeny in Japan after adoption of acellular pertussis vaccines. Microbial Genomics, 2018, 4, .	2.0	21
25	Glutamate Limitation, BvgAS Activation, and (p)ppGpp Regulate the Expression of the Bordetella pertussis Type 3 Secretion System. Journal of Bacteriology, 2016, 198, 343-351.	2.2	17
26	Macrolide-Resistant Bordetella pertussis, Vietnam, 2016â^'2017. Emerging Infectious Diseases, 2020, 26, 2511-2513.	4.3	17
27	Molecular epidemiology of Bordetella pertussis in Cambodia determined by direct genotyping of clinical specimens. International Journal of Infectious Diseases, 2017, 62, 56-58.	3.3	16
28	Molecular epidemiology of Bordetella pertussis in the Philippines in 2012â€"2014. International Journal of Infectious Diseases, 2015, 35, 24-26.	3.3	15
29	Laboratory-based surveillance of pertussis using multitarget real-time PCR in Japan: evidence for Bordetella pertussis infection in preteens and teens. New Microbes and New Infections, 2015, 8, 70-74.	1.6	15
30	A high seroprevalence of antibodies to pertussis toxin among Japanese adults: Qualitative and quantitative analyses. PLoS ONE, 2017, 12, e0181181.	2.5	15
31	BipA Is Associated with Preventing Autoagglutination and Promoting Biofilm Formation in Bordetella holmesii. PLoS ONE, 2016, 11, e0159999.	2.5	13
32	A New TEM-Derived Extended-Spectrum Î²-Lactamase (TEM-91) with an R164C Substitution at the Î©-Loop Confers Ceftazidime Resistance. Antimicrobial Agents and Chemotherapy, 2003, 47, 2981-2983.	3.2	11
33	Expression of a C Terminally Truncated Form of Pertussis Toxin S1 Subunit Effectively Induces Protection against Pertussis Toxin following DNA-Based Immunization. Infection and Immunity, 2004, 72, 4293-4296.	2.2	11
34	Redox and translational regulation of glutamate dehydrogenase Î± subunits in Brassica napus under wounding stress. Plant Science, 2007, 172, 1182-1192.	3.6	11
35	Loop-mediated isothermal amplification assay for 16S rRNA methylase genes in Gram-negative bacteria. Journal of Infection and Chemotherapy, 2014, 20, 635-638.	1.7	11
36	Deamination role of inducible glutamate dehydrogenase isoenzyme 7 in Brassica napus leaf protoplasts. Phytochemistry, 2011, 72, 587-593.	2.9	10

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37	A Novel IgMâ€capture enzymeâ€linked immunosorbent assay using recombinant Vag8 fusion protein for the accurate and early diagnosis of Bordetella pertussis infection. Microbiology and Immunology, 2016, 60, 326-333.	1.4	10
38	A cell line assay system for predicting the response of human blood to endotoxin. Japanese Journal of Infectious Diseases, 2003, 56, 93-100.	1.2	10
39	Age-related differences in antibody avidities to pertussis toxin and filamentous hemagglutinin in a healthy Japanese population. Vaccine, 2019, 37, 2463-2469.	3.8	9
40	Simple and specific detection of Bordetella holmesii by using a loopâ€mediated isothermal amplification assay. Microbiology and Immunology, 2012, 56, 486-489.	1.4	8
41	Evaluation of a commercial loop-mediated isothermal amplification assay for diagnosis of Bordetella pertussis infection. Journal of Microbiological Methods, 2017, 133, 20-22.	1.6	8
42	Seroprevalence of IgA and IgM antibodies to Bordetella pertussis in healthy Japanese donors: Assessment for the serological diagnosis of pertussis. PLoS ONE, 2019, 14, e0219255.	2.5	7
43	Evaluation of marker gene expression as a potential predictive marker of leukopenic toxicity for inactivated influenza vaccines. Biologicals, 2017, 50, 100-108.	1.4	7
44	Multiple polypeptides of glutamine synthetase subunit in rice roots in vivo and in vitro.. Agricultural and Biological Chemistry, 1991, 55, 887-888.	0.3	6
45	Evaluation of endotoxin content of diphtheria?tetanus-acellular pertussis combined (DTaP) vaccines that interfere with the bacterial endotoxin test. Vaccine, 2003, 21, 1862-1866.	3.8	6
46	Development of safer pertussis DNA vaccine expressing non-toxic C180 polypeptide of pertussis toxin S1 subunit. Vaccine, 2007, 25, 1000-1006.	3.8	6
47	A Quantitative In Vitro Assay Method for Detecting Biological Activity of Endotoxin Using Prostaglandin E₂ Induction in Rabbit Peripheral Blood. Microbiology and Immunology, 2003, 47, 585-590.	1.4	5
48	Bactericidal activity of topical antiseptics and their gargles against Bordetella pertussis. Journal of Infection and Chemotherapy, 2012, 18, 272-275.	1.7	5
49	Bronchitis caused by Bordetella holmesii in a child with asthma misdiagnosed as mycoplasmal infection. Journal of Infection and Chemotherapy, 2013, 19, 534-537.	1.7	5
50	Development of vaccines against pertussis caused by Bordetella holmesii using a mouse intranasal challenge model. Microbiology and Immunology, 2016, 60, 599-608.	1.4	5
51	Rapid and simple SNP genotyping for Bordetella pertussis epidemic strain MT27 based on a multiplexed single-base extension assay. Scientific Reports, 2021, 11, 4823.	3.3	5
52	Stimulation of Bordetella pertussis Adenylate Cyclase Toxin Intoxication by Its Hemolysin Domain. Infection and Immunity, 2000, 68, 3727-3730.	2.2	4
53	Comparison of loop-mediated isothermal amplification and real-time PCR for detecting Bordetella pertussis. Journal of Medical Microbiology, 2015, 64, 463-465.	1.8	4
54	The First Reported Case of Bordetella pertussis Bacteremia in a Patient With Human Immunodeficiency Virus Infection. Open Forum Infectious Diseases, 2022, 9, ofac020.	0.9	3

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55	Augmenting Effect of Antibiotics on Endotoxin Activity May Cause a Safety Problem. Microbiology and Immunology, 2004, 48, 97-102.	1.4	2
56	The proline residue at position 319 of BvgS is essential for BvgAS activation in Bordetella pertussis. Pathogens and Disease, 2017, 75, .	2.0	2
57	Genetic verification of Bordetella pertussis seed strains used for production ofÂJapanese acellular pertussis vaccines. Biologicals, 2010, 38, 290-293.	1.4	1
58	IFN-^|^gamma;-MEDIATED PROTECTION AGAINST INTRACEREBRAL CHALLENGE WITH BORDETELLA PERTUSSIS IN MICE. Japanese Journal of Medical Science and Biology, 1997, 50, 35-43.	0.4	1
59	Multiple Polypeptides of Glutamine Synthetase Subunit in Rice RootsIn VivoandIn Vitro. Agricultural and Biological Chemistry, 1991, 55, 887-888.	0.3	0
60	A novel multilocus variable-number tandem repeat analysis for Bordetella parapertussis. Journal of Medical Microbiology, 2019, 68, 1671-1676.	1.8	0