

Kozo Watanabe

List of Publications by Year in descending order

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81
papers

995
citations

567144

15
h-index

580701

25
g-index

106
all docs

106
docs citations

106
times ranked

1266
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning methods reveal the temporal pattern of dengue incidence using meteorological factors in metropolitan Manila, Philippines. <i>BMC Infectious Diseases</i> , 2018, 18, 183.	1.3	87
2	Biodilution of heavy metals in a stream macroinvertebrate food web: Evidence from stable isotope analysis. <i>Science of the Total Environment</i> , 2008, 394, 57-67.	3.9	66
3	Permanent Genetic Resources added to Molecular Ecology Resources database 1 January 2009–30 April 2009. <i>Molecular Ecology Resources</i> , 2009, 9, 1375-1379.	2.2	64
4	Comparison of DNA metabarcoding and morphological identification for stream macroinvertebrate biodiversity assessment and monitoring. <i>Ecological Indicators</i> , 2019, 101, 963-972.	2.6	47
5	Dispersal ability determines the genetic effects of habitat fragmentation in three species of aquatic insect. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2010, 20, 574-579.	0.9	38
6	Detection of Wolbachia in field-collected <i>Aedes aegypti</i> mosquitoes in metropolitan Manila, Philippines. <i>Parasites and Vectors</i> , 2019, 12, 361.	1.0	38
7	Effects of predation pressure and resource use on morphological divergence in omnivorous prey fish. <i>BMC Evolutionary Biology</i> , 2013, 13, 132.	3.2	31
8	Adaptive Genetic Divergence along Narrow Environmental Gradients in Four Stream Insects. <i>PLoS ONE</i> , 2014, 9, e93055.	1.1	29
9	Ecological influence of sediment bypass tunnels on macroinvertebrates in dam-fragmented rivers by DNA metabarcoding. <i>Scientific Reports</i> , 2018, 8, 10185.	1.6	28
10	Fine-scale dispersal in a stream caddisfly inferred from spatial autocorrelation of microsatellite markers. <i>Freshwater Science</i> , 2014, 33, 172-180.	0.9	25
11	Free-Chlorine Disinfection as a Selection Pressure on Norovirus. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	23
12	Fine-scale population genetic structure of dengue mosquito vector, <i>Aedes aegypti</i> , in Metropolitan Manila, Philippines. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008279.	1.3	22
13	Surveillance of dengue virus in individual <i>Aedes aegypti</i> mosquitoes collected concurrently with suspected human cases in Tarlac City, Philippines. <i>Parasites and Vectors</i> , 2020, 13, 594.	1.0	20
14	Dengue disease dynamics are modulated by the combined influences of precipitation and landscape: A machine learning approach. <i>Science of the Total Environment</i> , 2021, 792, 148406.	3.9	19
15	Relationship between reservoir size and genetic differentiation of the stream caddisfly <i>Stenopsyche marmorata</i> . <i>Biological Conservation</i> , 2007, 136, 203-211.	1.9	18
16	Spatial analysis of wing geometry in dengue vector mosquito, <i>Aedes aegypti</i> (L.) (Diptera: Culicidae), populations in Metropolitan Manila, Philippines. <i>Journal of Vector Borne Diseases</i> , 2016, 53, 127-35.	0.1	18
17	Genome-wide signatures of local adaptation among seven stoneflies species along a nationwide latitudinal gradient in Japan. <i>BMC Genomics</i> , 2019, 20, 84.	1.2	16
18	Using Google Trends to Examine the Spatio-Temporal Incidence and Behavioral Patterns of Dengue Disease: A Case Study in Metropolitan Manila, Philippines. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 118.	0.9	15

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19	An Integrated mHealth App for Dengue Reporting and Mapping, Health Communication, and Behavior Modification: Development and Assessment of Mozzify. <i>JMIR Formative Research</i> , 2020, 4, e16424.	0.7	15
20	Longitudinal patterns of genetic diversity and larval density of the riverine caddisfly <i>Hydropsyche orientalis</i> (Trichoptera). <i>Aquatic Sciences</i> , 2008, 70, 377-387.	0.6	14
21	Knowledge, Attitude, and Practices Regarding Dengue Fever among Pediatric and Adult In-Patients in Metro Manila, Philippines. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4705.	1.2	14
22	Molecular phylogeny and diversification timing of the Nemouridae family (Insecta, Plecoptera) in the Japanese Archipelago. <i>PLoS ONE</i> , 2019, 14, e0210269.	1.1	13
23	The influence of roads on the fine-scale population genetic structure of the dengue vector <i>Aedes aegypti</i> (Linnaeus). <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009139.	1.3	13
24	A hydrothermal simulation approach to modelling spatial patterns of adaptive genetic variation in four stream insects. <i>Journal of Biogeography</i> , 2015, 42, 103-113.	1.4	12
25	Comparative tests of the species-genetic diversity correlation at neutral and nonneutral loci in four species of stream insect. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1755-1764.	1.1	12
26	Remarkable anoxia tolerance by stoneflies from a floodplain aquifer. <i>Ecology</i> , 2020, 101, e03127.	1.5	12
27	Spotted fever group rickettsiae (SFGR) detection in ticks following reported human case of Japanese spotted fever in Niigata Prefecture, Japan. <i>Scientific Reports</i> , 2021, 11, 2595.	1.6	12
28	Early Detection of Dengue Fever Outbreaks Using a Surveillance App (Mozzify): Cross-sectional Mixed Methods Usability Study. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e19034.	1.2	12
29	Intracellular Interactions Between Arboviruses and <i>Wolbachia</i> in <i>Aedes aegypti</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 690087.	1.8	12
30	New species and records of Leuctridae (Plecoptera) from Guangxi, China, on the basis of morphological and molecular data, with emphasis on <i>Rhopalopsola</i> . <i>Zootaxa</i> , 2017, 4243, 165.	0.2	11
31	Catchment-scale modeling of riverine species diversity using hydrological simulation: application to tests of species-genetic diversity correlation. <i>Ecohydrology</i> , 2017, 10, e1778.	1.1	11
32	Branching networks can have opposing influences on genetic variation in riverine metapopulations. <i>Diversity and Distributions</i> , 2020, 26, 1813-1824.	1.9	11
33	Differences in protein expression among five species of stream stonefly (Plecoptera) along a latitudinal gradient in Japan. <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 96, e21422.	0.6	10
34	Depressive and Anxiety Symptoms among Pediatric In-Patients with Dengue Fever: A Case-Control Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 99.	1.2	10
35	<i>Candida albicans</i> Biofilm Inhibition by Ethnobotanicals and Ethnobotanically-Synthesized Gold Nanoparticles. <i>Frontiers in Microbiology</i> , 2021, 12, 665113.	1.5	10
36	Stochastic model for recovery prediction of macroinvertebrates following a pulse-disturbance in river. <i>Ecological Modelling</i> , 2005, 189, 396-412.	1.2	9

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37	Effects on river macroinvertebrate communities of tsunami propagation after the 2011 Great East Japan Earthquake. <i>Freshwater Biology</i> , 2014, 59, 1474-1483.	1.2	9
38	Biological Control: A Major Component of the Pest Management Program for the Invasive Coconut Scale Insect, <i>Aspidiotus rigidus</i> Reyne, in the Philippines. <i>Insects</i> , 2020, 11, 745.	1.0	9
39	Contribution to the knowledge of Limoniidae (Diptera: Tipuloidea): first records of 244 species from various European countries. <i>Biodiversity Data Journal</i> , 0, 9, .	0.4	9
40	A Bioclimate-Based Maximum Entropy Model for <i>Comperiella calauanica</i> Barrion, Almarinez and Amalin (Hymenoptera: Encyrtidae) in the Philippines. <i>Insects</i> , 2021, 12, 26.	1.0	9
41	Evaluation of Health Information System (HIS) in The Surveillance of Dengue in Indonesia: Lessons from Case in Bandung, West Java. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1795.	1.2	8
42	Wing geometry and genetic analyses reveal contrasting spatial structures between male and female <i>Aedes aegypti</i> (L.) (Diptera: Culicidae) populations in metropolitan Manila, Philippines. <i>Infection, Genetics and Evolution</i> , 2021, 87, 104676.	1.0	8
43	Diversity and distribution of ticks in Niigata prefecture, Japan (2016–2018): Changes since 1950. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101683.	1.1	8
44	Simulation modeling reveals the evolutionary role of landscape shape and species dispersal on genetic variation within a metapopulation. <i>Ecography</i> , 2020, 43, 1891-1901.	2.1	7
45	Spatial and temporal analysis of hospitalized dengue patients in Bandung: demographics and risk. <i>Tropical Medicine and Health</i> , 2021, 49, 44.	1.0	7
46	Detection and distribution of <i>Wolbachia</i> endobacteria in <i>Culex quinquefasciatus</i> populations (Diptera) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	7
47	Unraveling the Genetic Structure of the Coconut Scale Insect Pest (<i>Aspidiotus rigidus</i> Reyne) Outbreak Populations in the Philippines. <i>Insects</i> , 2019, 10, 374.	1.0	6
48	Carotenoid coloration and coloration-linked gene expression in red tilapia (<i>Oreochromis</i> sp.) tissues. <i>BMC Veterinary Research</i> , 2021, 17, 314.	0.7	6
49	Temporal Correlation Between Urban Microclimate, Vector Mosquito Abundance, and Dengue Cases. <i>Journal of Medical Entomology</i> , 2022, 59, 1008-1018.	0.9	6
50	Identification of Outlier Loci Responding to Anthropogenic and Natural Selection Pressure in Stream Insects Based on a Self-Organizing Map. <i>Water (Switzerland)</i> , 2016, 8, 188.	1.2	5
51	Comparative assessment of primary and secondary infection risks in a norovirus outbreak using a household model simulation. <i>Journal of Environmental Sciences</i> , 2016, 50, 13-20.	3.2	5
52	An Ecological Context Toward Understanding Dengue Disease Dynamics in Urban Cities: A Case Study in Metropolitan Manila, Philippines. , 2019, , 117-131.		5
53	Profiling the microbial community structure and functional diversity of a dam-regulated river undergoing gravel bar restoration. <i>Freshwater Biology</i> , 2021, 66, 2170-2184.	1.2	5
54	Next Generation of AMR Network. <i>Encyclopedia</i> , 2021, 1, 871-892.	2.4	4

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55	Comparative population genetic structure of two ixodid tick species (Acari:Ixodidae) (<i>Ixodes ovatus</i>) Tj ETQq1 1 0.784314 rgBT /Over bo 104999.	1.0	4
56	Acute oral toxicity assessment of ethanolic extracts of <i>Antidesma bunius</i> (L.) Spreng fruits in mice. Toxicology Reports, 2021, 8, 1289-1299.	1.6	4
57	Trophic structure of stream macroinvertebrate communities revealed by stable isotope analysis. Water Science and Technology, 2008, 58, 503-512.	1.2	3
58	Disinfection as a Selection Pressure on RNA Virus Evolution. Environmental Science & Technology, 2018, 52, 2434-2435.	4.6	3
59	A remarkable new genus and species of Nemourinae (Plecoptera, Nemouridae) from Sichuan, China, with systematic notes on the related genera. PLoS ONE, 2020, 15, e0229120.	1.1	3
60	Implications of taxonomic and numerical resolution on DNA metabarcoding-based inference of benthic macroinvertebrate responses to river restoration. Ecological Indicators, 2022, 135, 108508.	2.6	3
61	Sediment-associated microbial community profiling: sample pre-processing through sequential membrane filtration for 16S rRNA amplicon sequencing. BMC Microbiology, 2022, 22, 33.	1.3	3
62	Evaluation of Dispersal Pattern of <i>Stenopsyche Marmorata</i> in a Basin-Scale Using DNA Polymorphic Markers. Journal of Japan Society on Water Environment, 2009, 32, 253-258.	0.1	2
63	Spatial genetic structure of the invasive tree <i>Robinia pseudoacacia</i> to determine migration patterns to inform best practices for riparian restoration. AoB PLANTS, 2020, 12, plaa043.	1.2	2
64	Machine learning-based detection of adaptive divergence of the stream mayfly <i>Ephemera strigata</i> populations. Ecology and Evolution, 2020, 10, 6677-6687.	0.8	2
65	Delineation of habitat structure in rivers using a high precision GPS for conservation of species diversity of invertebrate communities. Ecology and Civil Engineering, 2012, 15, 121-130.	0.1	2
66	Spatially varying trophic effects of reservoir-derived plankton on stream macroinvertebrates among heterogeneous habitats within reaches. Hydrobiologia, 2022, 849, 2503-2520.	1.0	2
67	Metabarcoding-based Assessment of Community Structures of Stream Invertebrates in Rivers Fragmented by Dams with Sediment Bypass Tunnels. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, III_559-III_566.	0.1	1
68	Quorum Sensing-Linked <i>agrA</i> Expression by Ethno-Synthesized Gold Nanoparticles in <i>Tilapia Streptococcus agalactiae</i> Biofilm Formation. BioNanoScience, 2020, 10, 696-704.	1.5	1
69	Notes on the taxonomic status and distribution of some <i>Cylindrotomidae</i> (Diptera, Tipuloidea), with emphasis on Japanese species. ZooKeys, 2022, 1083, 13-88.	0.5	1
70	EVALUATION OF RELATIONSHIPS BETWEEN HSI BASED SPECIES DIVERSITY AND GENETIC DIVERSITY OF RIVERINE ANIMALS. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2012, 68, III_603-III_610.	0.1	0
71	PREDICTION OF SPATIAL GENETIC DIVERSITY DISTRIBUTION FROM HSI BASED SPECIES DIVERSITY. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_1303-I_1308.	0.0	0
72	ASSOCIATION OF GENETIC DIVERSITY AND HABITAT SUITABILITY IN AQUATIC ANIMALS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_1405-I_1410.	0.0	0

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73	Effect of habitat fragmentation by Dams and Intermittent River on Dispersal of Freshwater Insect <i>Epeorus latifolium</i> . Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2015, 71, III_115-III_121.	0.1	0
74	EVALUATING SPATIAL PATTERN OF STREAM INTEGRITY USING A HYDROLOGICAL MODEL AND HABITAT MODELS OF BENTHIC ANIMALS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq0 0 0 rgBT /Overlock 100f 50 697	0.0	0
75	Multispecies assessment of genetic differentiation of aquatic insects in intermittent river revealed by next-generation sequencing. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq1 1 0.784314rgBT /Overlock 100f 50 697	0.8	0
76	Macroinvertebrate Community in Subsurface-Flow Constructed Wetlands for Wastewater Treatment under High and Low Pollutant Stress in China. Wetlands, 2018, 38, 391-399.	0.7	0
77	A new species of <i>Protonemura</i> Kempny, 1898 (Plecoptera: Nemouridae) from the Ishizuchi range, Shikoku, Japan. Zootaxa, 2020, 4718, 57-66.	0.2	0
78	Haplotype-level DNA metabarcoding from freshwater macroinvertebrate community samples. ARPHA Conference Abstracts, 0, 4, .	0.0	0
79	Fine Sediment Deposition by Floods on the Upstream of a Weir with a Channel Bend. , 2009, , 815-820.	0.0	0
80	Loss of a larval generic character: an interesting and new description for <i>Isoperla veccianensis</i> Ikononov, 1980 (Plecoptera: Perlodidae) with updated adult characters. Zootaxa, 2021, 5082, 541-552.	0.2	0
81	Knowledge, attitudes, and practices regarding tick-borne diseases among an at-risk population living in Niigata prefecture, Japan. PLoS ONE, 2022, 17, e0270411.	1.1	0