

Karina Yew-Hoong Gin

List of Publications by Citations

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151
papers

5,994
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h-index

74
g-index

154
ext. papers

7,389
ext. citations

7.4
avg, IF

6.48
L-index

#	Paper	IF	Citations
151	Impacts of emerging organic contaminants on freshwater resources: review of recent occurrences, sources, fate and effects. <i>Science of the Total Environment</i> , 2010 , 408, 6062-9	10.2	724
150	Occurrence and fate of emerging contaminants in municipal wastewater treatment plants from different geographical regions-a review. <i>Water Research</i> , 2018 , 133, 182-207	12.5	690
149	Emerging contaminants of public health significance as water quality indicator compounds in the urban water cycle. <i>Environment International</i> , 2014 , 71, 46-62	12.9	270
148	Occurrence and removal of multiple classes of antibiotics and antimicrobial agents in biological wastewater treatment processes. <i>Water Research</i> , 2016 , 104, 461-472	12.5	210
147	Removal of selected PPCPs, EDCs, and antibiotic resistance genes in landfill leachate by a full-scale constructed wetlands system. <i>Water Research</i> , 2017 , 121, 46-60	12.5	171
146	Next-generation sequencing (NGS) for assessment of microbial water quality: current progress, challenges, and future opportunities. <i>Frontiers in Microbiology</i> , 2015 , 6, 1027	5.7	156
145	Removal of antibiotic residues, antibiotic resistant bacteria and antibiotic resistance genes in municipal wastewater by membrane bioreactor systems. <i>Water Research</i> , 2018 , 145, 498-508	12.5	143
144	Occurrence and removal of pharmaceuticals, hormones, personal care products, and endocrine disruptors in a full-scale water reclamation plant. <i>Science of the Total Environment</i> , 2017 , 599-600, 1503-1516	10.2	127
143	Novel perspectives on the bioaccumulation of PFCs--the concentration dependency. <i>Environmental Science & Technology</i> , 2011 , 45, 9758-64	10.3	105
142	The dynamics of cyanobacteria and microcystin production in a tropical reservoir of Singapore. <i>Harmful Algae</i> , 2011 , 10, 319-329	5.3	99
141	Emerging contaminants in wastewater, stormwater runoff, and surface water: Application as chemical markers for diffuse sources. <i>Science of the Total Environment</i> , 2019 , 676, 252-267	10.2	92
140	Fecal pollution source tracking toolbox for identification, evaluation and characterization of fecal contamination in receiving urban surface waters and groundwater. <i>Science of the Total Environment</i> , 2015 , 538, 38-57	10.2	87
139	Dynamics and size structure of phytoplankton in the coastal waters of Singapore. <i>Journal of Plankton Research</i> , 2000 , 22, 1465-1484	2.2	86
138	Perfluoroalkyl and polyfluoroalkyl substances removal in a full-scale tropical constructed wetland system treating landfill leachate. <i>Water Research</i> , 2017 , 125, 418-426	12.5	83
137	Occurrence and risk assessment of multiple classes of antibiotics in urban canals and lakes in Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2019 , 692, 157-174	10.2	81
136	Roles of singlet oxygen and triplet excited state of dissolved organic matter formed by different organic matters in bacteriophage MS2 inactivation. <i>Water Research</i> , 2013 , 47, 4869-79	12.5	81
135	Investigation of pharmaceuticals, personal care products and endocrine disrupting chemicals in a tropical urban catchment and the influence of environmental factors. <i>Science of the Total Environment</i> , 2015 , 536, 955-963	10.2	80

134	Environmental surveillance and molecular characterization of human enteric viruses in tropical urban wastewaters. <i>Journal of Applied Microbiology</i> , 2010 , 109, 716-730	4.7	79
133	A critical review on characterization strategies of organic matter for wastewater and water treatment processes. <i>Bioresource Technology</i> , 2015 , 193, 523-33	11	78
132	High-throughput profiling of antibiotic resistance gene dynamic in a drinking water river-reservoir system. <i>Water Research</i> , 2019 , 149, 179-189	12.5	75
131	Derivation and application of a new model for heavy metal biosorption by algae. <i>Water Research</i> , 2002 , 36, 1313-23	12.5	68
130	Occurrence of emerging organic contaminants in a tropical urban catchment in Singapore. <i>Chemosphere</i> , 2011 , 83, 963-9	8.4	63
129	Occurrences and Characterization of Antibiotic-Resistant Bacteria and Genetic Determinants of Hospital Wastewater in a Tropical Country. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 7449-7456	5.9	61
128	Sorption and biodegradation of artificial sweeteners in activated sludge processes. <i>Bioresource Technology</i> , 2015 , 197, 329-38	11	60
127	Characterization of estrogen-degrading bacteria isolated from an artificial sandy aquifer with ultrafiltered secondary effluent as the medium. <i>Applied Microbiology and Biotechnology</i> , 2007 , 75, 1163-71	5.7	59
126	Alternative fecal indicators and their empirical relationships with enteric viruses, Salmonella enterica, and Pseudomonas aeruginosa in surface waters of a tropical urban catchment. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 850-60	4.8	56
125	Co-gasification of woody biomass and chicken manure: Syngas production, biochar reutilization, and cost-benefit analysis. <i>Energy</i> , 2017 , 139, 732-742	7.9	56
124	Prevalence and genotypes of human noroviruses in tropical urban surface waters and clinical samples in Singapore. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 4984-92	4.8	55
123	Occurrence and characteristics of extended-spectrum β -lactamase- and carbapenemase- producing bacteria from hospital effluents in Singapore. <i>Science of the Total Environment</i> , 2018 , 615, 1119-1125	10.2	55
122	Reversible and irreversible sorption of perfluorinated compounds (PFCs) by sediments of an urban reservoir. <i>Chemosphere</i> , 2016 , 144, 1747-53	8.4	52
121	Antigenic characterization of a marine fish iridovirus from grouper, Epinephelus spp. <i>Journal of Virological Methods</i> , 2002 , 106, 89-96	2.6	52
120	Comparison of Quantitative PCR and Droplet Digital PCR Multiplex Assays for Two Genera of Bloom-Forming Cyanobacteria, Cylindrospermopsis and Microcystis. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 5203-11	4.8	48
119	Simultaneous analysis of multiple classes of antimicrobials in environmental water samples using SPE coupled with UHPLC-ESI-MS/MS and isotope dilution. <i>Talanta</i> , 2016 , 159, 163-173	6.2	48
118	Risk assessment of noroviruses and human adenoviruses in recreational surface waters. <i>Water Research</i> , 2016 , 103, 276-282	12.5	46
117	Occurrence and fate of benzophenone-type UV filters in aquatic environments: a review. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 209-223	4.2	44

116	An oil spill-food chain interaction model for coastal waters. <i>Marine Pollution Bulletin</i> , 2001 , 42, 590-7	6.7	42
115	Multi-compartment distribution of perfluoroalkyl and polyfluoroalkyl substances (PFASs) in an urban catchment system. <i>Water Research</i> , 2019 , 154, 227-237	12.5	41
114	Surveillance of enteric viruses and coliphages in a tropical urban catchment. <i>Water Research</i> , 2014 , 58, 122-31	12.5	40
113	Environmental media exert a bottleneck in driving the dynamics of antibiotic resistance genes in modern aquatic environment. <i>Water Research</i> , 2019 , 162, 127-138	12.5	39
112	The novel SARS-CoV-2 pandemic: Possible environmental transmission, detection, persistence and fate during wastewater and water treatment. <i>Science of the Total Environment</i> , 2021 , 765, 142746	10.2	39
111	Effects of benzophenone-3 on the green alga <i>Chlamydomonas reinhardtii</i> and the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Aquatic Toxicology</i> , 2017 , 193, 1-8	5.1	37
110	Evaluation of FRNA coliphages as indicators of human enteric viruses in a tropical urban freshwater catchment. <i>Water Research</i> , 2015 , 79, 39-47	12.5	37
109	Evaluating the effects of activated carbon on methane generation and the fate of antibiotic resistant genes and class I integrons during anaerobic digestion of solid organic wastes. <i>Bioresource Technology</i> , 2018 , 249, 729-736	11	37
108	A dormancy state in nonspore-forming bacteria. <i>Applied Microbiology and Biotechnology</i> , 2009 , 81, 927-437	3.7	36
107	Monitoring of active but non-culturable bacterial cells by flow cytometry. <i>Biotechnology and Bioengineering</i> , 2005 , 89, 24-31	4.9	36
106	Bioaccumulation behaviour of pharmaceuticals and personal care products in a constructed wetland. <i>Chemosphere</i> , 2019 , 222, 275-285	8.4	34
105	In situ hybridization of a marine fish virus, Singapore grouper iridovirus with a nucleic acid probe of major capsid protein. <i>Journal of Virological Methods</i> , 2004 , 117, 123-8	2.6	34
104	Environmental toxicity of PFCs: an enhanced integrated biomarker assessment and structure-activity analysis. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 2226-33	3.8	32
103	Seasonal and depth variation in microbial size spectra at the Bermuda Atlantic time series station. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999 , 46, 1221-1245	2.5	32
102	Occurrence, distribution and risk assessment of pesticides in a river-reservoir system. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 320-327	7	31
101	Relationship of Microbiota and Cyanobacterial Secondary Metabolites in Planktothricoides-Dominated Bloom. <i>Environmental Science & Technology</i> , 2017 , 51, 4199-4209	10.3	30
100	Occurrence and Fate of Benzophenone-Type UV Filters in a Tropical Urban Watershed. <i>Environmental Science & Technology</i> , 2018 , 52, 3960-3967	10.3	30
99	Occurrence, Distribution, and Risk Assessment of Antibiotics in a Subtropical River-Reservoir System. <i>Water (Switzerland)</i> , 2018 , 10, 104	3	29

98	Characterization of occurrence, sources and sinks of perfluoroalkyl and polyfluoroalkyl substances (PFASs) in a tropical urban catchment. <i>Environmental Pollution</i> , 2017 , 227, 397-405	9.3	28
97	Immunotoxicity in green mussels under perfluoroalkyl substance (PFAS) exposure: Reversible response and response model development. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1138-1145	2.8	28
96	Prevalence and genetic diversity of waterborne pathogenic viruses in surface waters of tropical urban catchments. <i>Journal of Applied Microbiology</i> , 2011 , 110, 903-14	4.7	28
95	Production and characterization of monoclonal antibodies to a grouper iridovirus. <i>Journal of Virological Methods</i> , 2003 , 107, 147-54	2.6	28
94	Genotoxicity of perfluorinated chemicals (PFCs) to the green mussel (<i>Perna viridis</i>). <i>Science of the Total Environment</i> , 2014 , 487, 117-22	10.2	27
93	Occurrence, fate, and fluxes of perfluorochemicals (PFCs) in an urban catchment: Marina Reservoir, Singapore. <i>Water Science and Technology</i> , 2012 , 66, 2439-46	2.2	27
92	Modeling the effect of light and salinity on viable but non-culturable (VBNC) <i>Enterococcus</i> . <i>Water Research</i> , 2013 , 47, 3315-28	12.5	26
91	Photodegradation kinetics of p-tert-octylphenol, 4-tert-octylphenoxy-acetic acid and ibuprofen under simulated solar conditions in surface water. <i>Chemosphere</i> , 2011 , 85, 790-6	8.4	26
90	Seasonal variation in the bacterial community composition of a large estuarine reservoir and response to cyanobacterial proliferation. <i>Chemosphere</i> , 2018 , 202, 576-585	8.4	25
89	Microbial water quality and the detection of multidrug resistant <i>E. coli</i> and antibiotic resistance genes in aquaculture sites of Singapore. <i>Marine Pollution Bulletin</i> , 2018 , 135, 475-480	6.7	25
88	A size-based ecosystem model for pelagic waters. <i>Ecological Modelling</i> , 1998 , 112, 53-72	3	25
87	Phytoplankton community structure in Singapore's coastal waters using HPLC pigment analysis and flow cytometry. <i>Journal of Plankton Research</i> , 2003 , 25, 1507-1519	2.2	24
86	Three-dimensional numerical simulation for tidal motion in Singapore's coastal waters. <i>Coastal Engineering</i> , 2000 , 39, 71-92	4.8	24
85	Biodegradation of estrogens by facultative anaerobic iron-reducing bacteria. <i>Process Biochemistry</i> , 2010 , 45, 284-287	4.8	23
84	Developing an integrated 3D-hydrodynamic and emerging contaminant model for assessing water quality in a Yangtze Estuary Reservoir. <i>Chemosphere</i> , 2017 , 188, 218-230	8.4	22
83	High-temperature fluorescent in situ hybridization for detecting <i>Escherichia coli</i> in seawater samples, using rRNA-targeted oligonucleotide probes and flow cytometry. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 8157-64	4.8	22
82	Use of an integrated metabolomics platform for mechanistic investigations of three commonly used algaecides on cyanobacterium, <i>Microcystis aeruginosa</i> . <i>Journal of Hazardous Materials</i> , 2019 , 367, 120-127	12.8	22
81	Occurrence and distribution of bacteria indicators, chemical tracers and pathogenic vibrios in Singapore coastal waters. <i>Marine Pollution Bulletin</i> , 2017 , 114, 627-634	6.7	21

80	Geospatial distribution of viromes in tropical freshwater ecosystems. <i>Water Research</i> , 2018 , 137, 220-232	2.5	20
79	Fate and transport of perfluoro- and polyfluoroalkyl substances including perfluorooctane sulfonamides in a managed urban water body. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 10382-10392	5.1	20
78	Effects of sulfate on microcystin production, photosynthesis, and oxidative stress in <i>Microcystis aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2016 , 23, 3586-95	5.1	19
77	Biotransformation of Sulfluramid (N-ethyl perfluorooctane sulfonamide) and dynamics of associated rhizospheric microbial community in microcosms of wetland plants. <i>Chemosphere</i> , 2018 , 211, 379-389	8.4	18
76	Occurrence, Seasonal Variation and Risk Assessment of Antibiotics in Qingcaosha Reservoir. <i>Water (Switzerland)</i> , 2018 , 10, 115	3	18
75	Application of Spectral Signatures and Colour Ratios to Estimate Chlorophyll in Singapore's Coastal Waters. <i>Estuarine, Coastal and Shelf Science</i> , 2002 , 55, 719-728	2.9	18
74	Multi-biomarker responses in green mussels exposed to PFCs: effects at molecular, cellular, and physiological levels. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 2785-94	5.1	17
73	Occurrence of microbial indicators, pathogenic bacteria and viruses in tropical surface waters subject to contrasting land use. <i>Water Research</i> , 2019 , 150, 200-215	12.5	16
72	Biotransformation of polyfluoroalkyl substances by microbial consortia from constructed wetlands under aerobic and anoxic conditions. <i>Chemosphere</i> , 2019 , 233, 101-109	8.4	15
71	Antioxidant responses in cyanobacterium <i>Microcystis aeruginosa</i> caused by two commonly used UV filters, benzophenone-1 and benzophenone-3, at environmentally relevant concentrations. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122587	12.8	15
70	Evaluating the Joint Toxicity of Two Benzophenone-Type UV Filters on the Green Alga <i>Chlamydomonas reinhardtii</i> with Response Surface Methodology. <i>Toxics</i> , 2018 , 6,	4.7	15
69	Rate laws and kinetic modeling of N-ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE) transformation by hydroxyl radical in aqueous solution. <i>Water Research</i> , 2013 , 47, 2241-50	12.5	15
68	Decay kinetics of microbial source tracking (MST) markers and human adenovirus under the effects of sunlight and salinity. <i>Science of the Total Environment</i> , 2017 , 574, 165-175	10.2	15
67	Effects of monochloramine and hydrogen peroxide on the bacterial community shifts in biologically treated wastewater. <i>Chemosphere</i> , 2017 , 189, 399-406	8.4	14
66	Occurrence of Traditional and Alternative Fecal Indicators in Tropical Urban Environments under Different Land Use Patterns. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	13
65	Phytoplankton Structure in the Tropical Port Waters of Singapore 2006 , 347-375		13
64	Development of a flow cytometry based method for rapid and sensitive detection of a novel marine fish iridovirus in cell culture. <i>Journal of Virological Methods</i> , 2005 , 125, 49-54	2.6	12
63	Quantification of cylindrospermopsin, anatoxin-a and homoanatoxin-a in cyanobacterial bloom freshwater using direct injection/SPE coupled with UPLC-MS/MS. <i>Science of the Total Environment</i> , 2020 , 731, 139014	10.2	11

62	Sunlight inactivation of somatic coliphage in the presence of natural organic matter. <i>Science of the Total Environment</i> , 2016 , 541, 1-7	10.2	11
61	Oxidative toxicity of perfluorinated chemicals in green mussel and bioaccumulation factor dependent quantitative structure-activity relationship. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2323-32	3.8	11
60	Comparison of Nutrient Limitation in Freshwater and Estuarine Reservoirs in Tropical Urban Singapore. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 913-919	2	11
59	The Physical Oceanography of Singapore Coastal Waters and Its Implications for Oil Spills 2006 , 393-412		10
58	Modelling the spatial and seasonal distribution, fate and transport of floating plastics in tropical coastal waters. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125502	12.8	10
57	Occurrence, impact variables and potential risk of PPCPs and pesticides in a drinking water reservoir and related drinking water treatment plants in the Yangtze Estuary. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1030-1045	4.3	10
56	Microcystis aeruginosa removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. <i>Water Research</i> , 2021 , 201, 117263	12.5	10
55	Novel cyanotoxin-producing Synechococcus in tropical lakes. <i>Water Research</i> , 2021 , 192, 116828	12.5	9
54	Occurrence and distribution of viruses and picoplankton in tropical freshwater bodies determined by flow cytometry. <i>Water Research</i> , 2019 , 149, 342-350	12.5	9
53	The Characteristics and Dynamics of Cyanobacteria-Heterotrophic Bacteria Between Two Estuarine Reservoirs - Tropical Versus Sub-Tropical Regions. <i>Frontiers in Microbiology</i> , 2018 , 9, 2531	5.7	9
52	Development of a chemiluminescent DNA fibre optic genosensor to Hepatitis A Virus (HAV). <i>Talanta</i> , 2017 , 174, 401-408	6.2	8
51	Isolation and Characterization of the First Freshwater Cyanophage Infecting. <i>Journal of Virology</i> , 2020 , 94,	6.6	8
50	Sediment Oxygen Demand and Nutrient Fluxes for a Tropical Reservoir in Singapore. <i>Journal of Environmental Engineering, ASCE</i> , 2010 , 136, 78-85	2	8
49	Environmental factors influence cylindrospermopsin production of <i>Cylindrospermopsis raciborskii</i> (CR12). <i>Journal of Plankton Research</i> , 2019 , 41, 114-126	2.2	7
48	A sensitive and accurate method for simultaneous analysis of algal toxins in freshwater using UPLC-MS/MS and N-microcystins as isotopically labelled internal standards. <i>Science of the Total Environment</i> , 2020 , 738, 139727	10.2	7
47	The Relationship between pH and Heavy Metal Ion Sorption by Algal Biomass. <i>Adsorption Science and Technology</i> , 2003 , 21, 525-537	3.6	7
46	Breaking-Wave Loads on Vertical Walls Suspended above Mean Sea Level. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1995 , 121, 195-202	1.7	7
45	Multi-phase distribution, spatiotemporal variation and risk assessment of antibiotics in a typical urban-rural watershed. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111156	7	6

44	Developing Surrogate Markers for Predicting Antibiotic Resistance "Hot Spots" in Rivers Where Limited Data Are Available. <i>Environmental Science & Technology</i> , 2021 , 55, 7466-7478	10.3	6
43	Insights from the draft genome of the subsection V (Stigonematales) cyanobacterium <i>Hapalosiphon</i> sp. Strain MRB220 associated with 2-MIB production. <i>Standards in Genomic Sciences</i> , 2016 , 11, 58		6
42	Using <i>Pseudomonas aeruginosa</i> PAO1 to evaluate hydrogen peroxide as a biofouling control agent in membrane treatment systems. <i>Letters in Applied Microbiology</i> , 2016 , 63, 488-494	2.9	6
41	Size-dependent adsorption of waterborne Benzophenone-3 on microplastics and its desorption under simulated gastrointestinal conditions. <i>Chemosphere</i> , 2022 , 286, 131735	8.4	6
40	The Effects of Antibiotics on Microbial Community Composition in an Estuary Reservoir during Spring and Summer Seasons. <i>Water (Switzerland)</i> , 2018 , 10, 154	3	5
39	Evaluating the efficacy of commercial kits for viral DNA/RNA extraction. <i>Water Practice and Technology</i> , 2017 , 12, 80-86	0.9	5
38	Genomics insights into production of 2-methylisoborneol and a putative cyanobactin by sp. SR001. <i>Standards in Genomic Sciences</i> , 2017 , 12, 35		5
37	Flow cytometric analysis of prolonged stress-dependent heterogeneity in bacterial cells. <i>FEMS Microbiology Letters</i> , 2009 , 290, 143-8	2.9	5
36	Flow cytometric detection of beta-D-glucuronidase gene in wild-type bacterial cells using in-situ PCR. <i>Biotechnology and Bioengineering</i> , 2003 , 82, 127-33	4.9	5
35	Microplastics in equatorial coasts: Pollution hotspots and spatiotemporal variations associated with tropical monsoons. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127626	12.8	5
34	Variations of Bacterial Community Composition and Functions in an Estuary Reservoir during Spring and Summer Alternation. <i>Toxins</i> , 2018 , 10,	4.9	5
33	Cyanophages infecting <i>Anabaena circinalis</i> and <i>Anabaena cylindrica</i> in a tropical reservoir. <i>Bacteriophage</i> , 2013 , 3, e25571		4
32	Microbial Populations in Tropical Reservoirs Using Flow Cytometry. <i>Journal of Environmental Engineering, ASCE</i> , 2005 , 131, 1187-1193	2	4
31	Biodiversity, phylogeny and toxin production profile of cyanobacterial strains isolated from lake Latyan in Iran. <i>Harmful Algae</i> , 2021 , 106, 102054	5.3	4
30	A comprehensive modelling approach to understanding the fate, transport and potential risks of emerging contaminants in a tropical reservoir. <i>Water Research</i> , 2021 , 200, 117298	12.5	4
29	Cyanobacterial risk prevention under global warming using an extended Bayesian network. <i>Journal of Cleaner Production</i> , 2021 , 312, 127729	10.3	4
28	Heavy metals in a typical city-river-reservoir system of East China: Multi-phase distribution, microbial response and ecological risk.. <i>Journal of Environmental Sciences</i> , 2022 , 112, 343-354	6.4	4
27	Source, fate, transport and modelling of selected emerging contaminants in the aquatic environment: Current status and future perspectives.. <i>Water Research</i> , 2022 , 217, 118418	12.5	4

26	Draft Genome Sequence of <i>Cylindrospermopsis</i> sp. Strain CR12 Extracted from the Minimetagenome of a Nonaxenic Unialgal Culture from a Tropical Freshwater Lake. <i>Genome Announcements</i> , 2016 , 4,		3
25	Novel Freshwater Cyanophages Provide New Insights into Evolutionary Relationships between Freshwater and Marine Cyanophages. <i>Microbiology Spectrum</i> , 2021 , 9, e0059321	8.9	3
24	Draft Genome Sequences of a Ceftazidime-Resistant <i>Acinetobacter baumannii</i> Donor and a Conjugal <i>Escherichia coli</i> Recipient with Acquired Resistance. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	2
23	Draft Genome Sequence of a Tropical Freshwater Cyanobacterium, <i>Limnothrix</i> sp. Strain P13C2. <i>Genome Announcements</i> , 2016 , 4,		2
22	A cryptic <i>Bacillus</i> isolate exhibited narrow 16S rRNA gene sequence divergence with <i>Bacillus thuringiensis</i> and showed low maintenance requirements in hyper-osmotic complex substrate cultivations. <i>Biotechnology and Bioengineering</i> , 2005 , 91, 838-47	4.9	2
21	A feature reconstruction-based multi-task regression model for cyanobacterial distribution forecasting along the water column. <i>Journal of Cleaner Production</i> , 2021 , 292, 126025	10.3	2
20	Emerging pharmaceutical and organic contaminants removal using carbonaceous waste from oil refineries. <i>Chemosphere</i> , 2021 , 271, 129542	8.4	2
19	Interaction of <i>Microcystis</i> and Phix174 in the Aquatic Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04017011	2	1
18	Antibiotic Resistance in Municipal Wastewater: A Special Focus on Hospital Effluents. <i>Handbook of Environmental Chemistry</i> , 2020 , 123-146	0.8	1
17	Population dynamics of cyanomyovirus in a tropical eutrophic reservoir. <i>Microbes and Environments</i> , 2015 , 30, 12-20	2.6	1
16	Quantitative microbial risk assessment of <i>Salmonella</i> and <i>Enterococcus</i> in Marina Reservoir and catchments. <i>Water Practice and Technology</i> , 2015 , 10, 527-531	0.9	1
15	Genomic Characterization of a Novel Freshwater Cyanophage Reveals a New Lineage of Cyanopodovirus.. <i>Frontiers in Microbiology</i> , 2021 , 12, 768868	5.7	1
14	Draft Genome Sequences of Two Benthic Cyanobacteria, <i>Oscillatoriales</i> USR 001 and <i>Nostoc</i> sp. MBR 210, Isolated from Tropical Freshwater Lakes. <i>Genome Announcements</i> , 2016 , 4,		1
13	Draft Genome Sequences of Four Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Isolates from Hospital Wastewater in Singapore. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	1
12	Advancing prediction of emerging contaminants in a tropical reservoir with general water quality indicators based on a hybrid process and data-driven approach. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128492	12.8	1
11	Prevalence and characterization of antibiotic resistant bacteria in raw community sewage from diverse urban communities.. <i>Science of the Total Environment</i> , 2022 , 153926	10.2	1
10	Effects of Light and Temperature on the Metabolic Profiling of Two Habitat-Dependent Bloom-Forming Cyanobacteria. <i>Metabolites</i> , 2022 , 12, 406	5.6	1
9	Multi-class secondary metabolites in cyanobacterial blooms from a tropical water body: Distribution patterns and real-time prediction.. <i>Water Research</i> , 2022 , 212, 118129	12.5	0

8	Assessment of Human Health Risks in Tropical Environmental Waters with Microbial Source Tracking Markers. <i>Water Research</i> , 2021 , 207, 117748	12.5	○
7	A new modelling framework for assessing the relative burden of antimicrobial resistance in aquatic environments. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127621	12.8	○
6	Impacts of Microcystis on the Dissemination of the Antibiotic Resistome in Cyanobacterial Blooms. <i>ACS ES&T Water</i> , 2021 , 1, 1263-1273		○
5	Population-based variations of a core resistome revealed by urban sewage metagenome surveillance.. <i>Environment International</i> , 2022 , 163, 107185	12.9	○
4	Phycocyanin-rich Synechococcus dominates the blooms in a tropical estuary lake.. <i>Journal of Environmental Management</i> , 2022 , 311, 114889	7.9	○
3	Impacts of size-fractionation on toxicity of marine microplastics: Enhanced integrated biomarker assessment in the tropical mussels, <i>Perna viridis</i> .. <i>Science of the Total Environment</i> , 2022 , 155459	10.2	○
2	Effect of repeated sorption-desorption on irreversible and reversible absorption of hydrophobic perfluoroalkyl acids to freshwater sediment. <i>Environmental Technology and Innovation</i> , 2022 , 28, 102673	3.7	○
1	Effect of Rainfall on the Microbial Water Quality of a Tropical Urban Catchment. <i>Journal of Environmental Quality</i> , 2018 , 47, 1242-1248	3.4	