

# Masumi Yamamuro

## List of Publications by Year in descending order

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131  
papers

3,031  
citations

159358  
30  
h-index

182168  
51  
g-index

133  
all docs

133  
docs citations

133  
times ranked

3517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neonicotinoids disrupt aquatic food webs and decrease fishery yields. <i>Science</i> , 2019, 366, 620-623.	6.0	185
2	Rapid direct determination of organic carbon and nitrogen in carbonate-bearing sediments with a Yanaco MT-5 CHN analyzer. <i>Limnology and Oceanography</i> , 1995, 40, 1001-1005.	1.6	163
3	Rapid ecological change in the coastal zone of Lake Baikal (East Siberia): Is the site of the world's greatest freshwater biodiversity in danger?. <i>Journal of Great Lakes Research</i> , 2016, 42, 487-497.	0.8	139
4	Fine-scale mapping of land-derived nitrogen in coral reefs by $\delta^{15}\text{N}$ in macroalgae. <i>Limnology and Oceanography</i> , 2002, 47, 1405-1416.	1.6	129
5	Carbon and nitrogen stable isotopes of primary producers in coral reef ecosystems. <i>Limnology and Oceanography</i> , 1995, 40, 617-621.	1.6	110
6	Acute toxicity of 50 metals to <i>Daphnia magna</i> . <i>Journal of Applied Toxicology</i> , 2015, 35, 824-830.	1.4	103
7	Identifying Sources and Mass Balance of Dioxin Pollution in Lake Shinji Basin, Japan. <i>Environmental Science &amp; Technology</i> , 2001, 35, 1967-1973.	4.6	82
8	Chemical tracers of sediment organic matter origins in two coastal lagoons. <i>Journal of Marine Systems</i> , 2000, 26, 127-134.	0.9	81
9	Groundwater contamination by sewage causes benthic algal outbreaks in the littoral zone of Lake Baikal (East Siberia). <i>Journal of Great Lakes Research</i> , 2018, 44, 230-244.	0.8	76
10	Geographical and seasonal variations in mesozooplankton abundance and biomass in relation to environmental parameters in Lake Shinji-Ohashi River-Lake Nakaumi brackish-water system, Japan. <i>Journal of Marine Systems</i> , 2000, 26, 193-207.	0.9	65
11	Relationship between river water quality and land use in a small river basin running through the urbanizing area of Central Japan. <i>Limnology</i> , 2008, 9, 19-26.	0.8	63
12	Nitrogen metabolism of the filter-feeding bivalve <i>Corbicula japonica</i> and its significance in primary production of a brackish lake in Japan. <i>Limnology and Oceanography</i> , 1993, 38, 997-1007.	1.6	60
13	Dynamics of PCDDs/DFs and coplanar-PCBs in an aquatic food chain of Tokyo Bay. <i>Chemosphere</i> , 2003, 53, 347-362.	4.2	56
14	Role of the bivalve <i>Corbicula japonica</i> in the nitrogen cycle in a mesohaline lagoon. <i>Marine Biology</i> , 1988, 99, 369-374.	0.7	54
15	Use of seagrass leaves for monitoring anthropogenic nutrient increases in coral reef ecosystems. <i>Marine Pollution Bulletin</i> , 2003, 46, 452-458.	2.3	53
16	Seasonal and vertical variations of sinking particle fluxes in the West Caroline Basin. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 1998, 21, 521-532.	0.7	52
17	Importance of epiphytic cyanobacteria as food sources for heterotrophs in a tropical seagrass bed. <i>Coral Reefs</i> , 1999, 18, 263-271.	0.9	48
18	A 200-year record of natural and anthropogenic changes in water quality from coastal lagoon sediments of Lake Shinji, Japan. <i>Chemical Geology</i> , 2005, 218, 51-61.	1.4	45

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19	The California current system during the last 136,000 years: response of the North Pacific High to precessional forcing. <i>Quaternary Science Reviews</i> , 2007, 26, 405-414.	1.4	44
20	Five critical questions of scale for the coastal zone. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 96, 9-21.	0.9	44
21	Blue Waters, Green Bottoms: Benthic Filamentous Algal Blooms Are an Emerging Threat to Clear Lakes Worldwide. <i>BioScience</i> , 2021, 71, 1011-1027.	2.2	42
22	Seasonal change in a filter-feeding bivalve <i>Musculista senhousia</i> population of a eutrophic estuarine lagoon. <i>Journal of Marine Systems</i> , 2000, 26, 117-126.	0.9	40
23	Uncertainties in Tidally Adjusted Estimates of Sea Level Rise Flooding (Bathtub Model) for the Greater London. <i>Remote Sensing</i> , 2016, 8, 366.	1.8	39
24	Evaluation of DEM generation based on Interferometric SAR using TanDEM-X data in Tokyo. <i>Physics and Chemistry of the Earth</i> , 2015, 83-84, 166-177.	1.2	37
25	Comparison of fish fauna in three areas of adjacent eutrophic estuarine lagoons with different salinities. <i>Journal of Marine Systems</i> , 2000, 26, 171-181.	0.9	36
26	Predation by diving ducks on the biofouling mussel <i>Musculista senhousia</i> in a eutrophic estuarine lagoon. <i>Marine Ecology - Progress Series</i> , 1998, 174, 101-106.	0.9	36
27	Regional to local environmental changes in southern Western Siberia: Evidence from biotic records of mid to late Holocene sediments of Lake Beloye. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 331-332, 177-193.	1.0	35
28	Verification of responses of Japanese medaka ( <i>Oryzias latipes</i> ) to antiandrogens, vinclozolin and flutamide, in short-term assays. <i>Journal of Applied Toxicology</i> , 2014, 34, 545-553.	1.4	33
29	Model study of Lakes Shinji and Nakaumi – a coupled coastal lagoon system. <i>Journal of Marine Systems</i> , 2000, 26, 145-169.	0.9	30
30	Ecosystem shift resulting from loss of eelgrass and other submerged aquatic vegetation in two estuarine lagoons, Lake Nakaumi and Lake Shinji, Japan. <i>Journal of Oceanography</i> , 2006, 62, 551-558.	0.7	27
31	Assessing the influence of watershed land use patterns on the major ion chemistry of river waters in the Shimousa Upland, Japan. <i>Chemistry and Ecology</i> , 2008, 24, 341-355.	0.6	25
32	Herbicide-induced macrophyte-to-phytoplankton shifts in Japanese lagoons during the last 50 years: consequences for ecosystem services and fisheries. <i>Hydrobiologia</i> , 2012, 699, 5-19.	1.0	25
33	Long-term trends in nitrogen and phosphorus concentrations in the Hii River as influenced by atmospheric deposition from East Asia. <i>Limnology and Oceanography</i> , 2015, 60, 629-640.	1.6	25
34	Integrated stratigraphy of the upper Neoproterozoic succession in Yunnan Province of South China: Re-evaluation of global correlation and carbon cycle. <i>Precambrian Research</i> , 2005, 138, 1-36.	1.2	24
35	Diel changes of nitrogen species in surface and overlying water of an estuarine lake in summer: Evidence for benthic-pelagic coupling. <i>Limnology and Oceanography</i> , 1994, 39, 1726-1733.	1.6	23
36	Quality of the Seagrass <i>Halophila ovalis</i> on a Thai Intertidal Flat as Food for the Dugong. <i>Journal of Oceanography</i> , 2005, 61, 183-186.	0.7	23

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37	Establishment of a short-term, <i>in vivo</i> screening method for detecting chemicals with juvenile hormone activity using adult <i>Daphnia magna</i> . Journal of Applied Toxicology, 2015, 35, 75-82.	1.4	22
38	Colorimetric Determination of Sulfide in Microsamples. Analytical Sciences, 2016, 32, 1129-1131.	0.8	22
39	Respiration and ingestion rates of the filter-feeding bivalve <i>Musculista senhousia</i> : implications for water-quality control. Journal of Marine Systems, 2000, 26, 183-192.	0.9	21
40	Hepatic portal venous gas: Report of a case. Surgery Today, 2000, 30, 647-650.	0.7	21
41	A simple and efficient method for making a high-resolution seagrass map and quantification of dugong feeding trail distribution: A field test at Mayo Bay, Philippines. Ecological Informatics, 2017, 38, 89-94.	2.3	21
42	Nitrogen fixation of filamentous cyanobacteria in a coral reef measured using three different methods. Coral Reefs, 2005, 24, 197-200.	0.9	20
43	Fish multigeneration test with preliminary short-term reproduction assay for estrone using Japanese medaka ( <i>Oryzias latipes</i> ). Journal of Applied Toxicology, 2015, 35, 11-23.	1.4	20
44	Long-term change in water transparency before and after the loss of eelgrass beds in an estuarine lagoon, Lake Nakaumi, Japan. Limnology, 2007, 8, 53-58.	0.8	19
45	An abrupt ecosystem change in Lake Belye, southern Western Siberia: Palaeoclimate versus local environment. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 331-332, 194-206.	1.0	19
46	Abundance and size distribution of sublittoral meiobenthos along estuarine salinity gradients. Journal of Marine Systems, 2000, 26, 135-143.	0.9	18
47	The relationship between seasonal variations of total-nitrogen and total-phosphorus in rainfall and air mass advection paths in Matsue, Japan. Atmospheric Environment, 2009, 43, 3496-3501.	1.9	18
48	Light quality determines primary production in nutrient-poor small lakes. Scientific Reports, 2019, 9, 4639.	1.6	18
49	Origin of Nutrients Accumulated in the Bottom Water of Lake Shinji in Summer.. Japanese Journal of Limnology, 1996, 57, 313-326.	0.1	17
50	Changes in alkaline band formation and calcification of corticated charophyte <i>Chara globularis</i> . SpringerPlus, 2013, 2, 85.	1.2	16
51	Elemental (C, N, P) and isotopic ( $\delta^{13}C$ , $\delta^{15}N$ ) signature of primary producers and their contribution to the organic matter in coastal lagoon sediment. Landscape and Ecological Engineering, 2014, 10, 65-75.	0.7	16
52	Abundant deposits of nutrients inside lakebeds of Antarctic oligotrophic lakes. Polar Biology, 2017, 40, 603-613.	0.5	16
53	A method for detecting and identifying the lethal environmental factor on a dominant macrobenthos and its application to Lake Shinji, Japan. Marine Biology, 1990, 107, 479-483.	0.7	15
54	Specific biomagnification of polychlorinated dibenzo-p-dioxins and dibenzofurans in tufted ducks ( <i>Aythya fuligula</i> ), common cormorants ( <i>Phalacrocorax carbo</i> ) and their prey from Lake Shinji, Japan. Chemosphere, 2002, 46, 1373-1382.	4.2	15

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55	Habitat selection by wintering tufted ducks with special reference to their digestive organ and to possible segregation between neighboring populations. <i>Ecological Research</i> , 1999, 14, 303-315.	0.7	14
56	Characteristics of organic matter in lagoonal sediments from the Great Barrier Reef. <i>Geochemical Journal</i> , 2001, 35, 385-401.	0.5	14
57	Holocene paleolimnological changes in Lake Skallen Oike in the Syowa Station area of Antarctica inferred from organic components in a sediment core (Sk4C-02). <i>Journal of Paleolimnology</i> , 2010, 44, 677-693.	0.8	14
58	3D-view Generation and Species Classification of Aquatic Plants Using Acoustic Images. <i>The Journal of the Marine Acoustics Society of Japan</i> , 2013, 40, 14-26.	0.2	14
59	Effluxes of dissolved organic phosphorus(DOP) and phosphate from the sediment to the overlying water at high temperature and low dissolved oxygen concentration conditions in an eutrophic brackish lake. <i>Japanese Journal of Limnology</i> , 2001, 62, 11-21.	0.1	13
60	Internal variations in nutrient concentrations and the C and N stable isotope ratios in leaves of the seagrass <i>Enhalus acoroides</i> . <i>Aquatic Botany</i> , 2004, 79, 95-102.	0.8	13
61	Floating-leaved and emergent vegetation as habitat for fishes in a eutrophic temperate lake without submerged vegetation. <i>Limnology</i> , 2013, 14, 257-268.	0.8	12
62	<i>Pomatoleios kraussii</i> (BAIRD) as a paleo sea level indicator on the southeast coast of Boso Peninsula, central Japan. <i>The Quaternary Research</i> , 1987, 26, 47-57.	0.2	12
63	Relationship between Hypoxia Due to Stratification and COD (Mn) at Brackish Lagoon, Lake Shinji. <i>Journal of Japan Society on Water Environment</i> , 2011, 34, 57-64.	0.1	11
64	Phosphorus release and sedimentation in three contiguous shallow brackish lakes, as estimated from changes in phosphorus stock and loading from catchment. <i>Landscape and Ecological Engineering</i> , 2011, 7, 53-64.	0.7	11
65	Hydrochemistry and isotopic characteristics of non-volcanic hot springs around the Miocene Kofu granitic complex surrounding the Kofu Basin in the South Fossa Magna region, central Honshu, Japan. <i>Geochemical Journal</i> , 2014, 48, 345-356.	0.5	10
66	Seasonality in nutrient concentrations and stable isotope ratios of <i>Halophila ovalis</i> growing on the intertidal flat of SW Thailand. <i>Limnology</i> , 2001, 2, 199-205.	0.8	9
67	Changes in the impact of anthropogenic effects on river water quality during the last 50 years in Japan. <i>Wetlands Ecology and Management</i> , 2009, 17, 409-415.	0.7	9
68	Lake-wide assessment of microplastics in the surface waters of Lake Baikal, Siberia. <i>Limnology</i> , 2022, 23, 265-274.	0.8	9
69	Proceedings of Coastal Engineering Jsc8, 1996, 43		
70	Concentrations of nitrogen in sandy sediments of a eutrophic estuarine lagoon. <i>Hydrobiologia</i> , 1998, 386, 37-44.	1.0	8
71	Dioxins/Furans and Polychlorinated Biphenyls (PCBs) in Dugongs from the Thailand Coast. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003, 70, 198-204.	1.3	8
72	Assessing the biomass and distribution of submerged aquatic vegetation using multibeam echo sounding in Lake Towada, Japan. <i>Limnology</i> , 2013, 14, 39-42.	0.8	8

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73	Carbon and nitrogen stable isotope ratios of the tissues and gut contents of a dugong from the temperate coast of Japan. <i>Mammal Study</i> , 2004, 29, 179-183.	0.2	8
74	Continuous Observation of Mixing in a Brackish Lake under Storm Conditions. <i>Proceedings of Hydraulic Engineering</i> , 1997, 41, 475-480.	0.0	7
75	Diet selectivity and shift of wintering common pochards and tufted ducks in a eutrophic coastal lagoon. <i>Journal of Marine Systems</i> , 2000, 26, 233-238.	0.9	7
76	Effects of water turbulence on plant, sediment and water quality in reed ( <i>Phragmites australis</i> ) community. <i>Ekologia</i> , 2017, 36, 1-9.	0.2	7
77	Changes in fish and crustacean assemblage in connected coastal lagoons, Lake Nakaumi and Lake Shinji, Japan.. <i>Japanese Journal of Limnology</i> , 2000, 61, 129-146.	0.1	7
78	Relationship between particle size and the radioactive cesium concentration in sediments from rivers flowing into Lake Kasumigaura. <i>Japanese Journal of Limnology</i> , 2013, 74, 183-189.	0.1	7
79	Physical and topographic factors affecting suspended particulate matter composition in a shallow tropical estuary. <i>Marine Environmental Research</i> , 2009, 68, 59-70.	1.1	6
80	Seasonal changes of the distributions of brackish Polychaetes in Lake Shinji, Japan.. <i>Japanese Journal of Limnology</i> , 1988, 49, 287-292.	0.1	6
81	Effects of residence time and nutrient concentration to the internal COD production in shallow lakes.. <i>Ecology and Civil Engineering</i> , 2015, 17, 79-88.	0.1	6
82	What prevents <i>Musculista senhousia</i> from constructing byssal thread mats in estuarine environments? A case study focusing on Lake Shinji and nearby estuarine waters. <i>Landscape and Ecological Engineering</i> , 2010, 6, 23-28.	0.7	5
83	Multi-tracer identification of nutrient origin in the Hii River watershed, Japan. <i>Landscape and Ecological Engineering</i> , 2017, 13, 119-129.	0.7	5
84	Mechanism of Reactive Nitrogen Deposition on the Nitrogen Leaching. <i>Journal of Geography (Chigaku)</i> 101, 1-10. <a href="https://doi.org/10.18804/jg101.001">https://doi.org/10.18804/jg101.001</a>	0.1	4
85	Groundwater quality in karst regions in the Philippines. <i>Limnology</i> , 2013, 14, 293-299.	0.8	4
86	Over one year Change in the Fish Assemblage in an Estuarine Lagoon, Lake Shinji, Japan.. <i>Japanese Journal of Limnology</i> , 1996, 57, 273-281.	0.1	4
87	<i>Pomatoleios kraussii</i> (BAIRD) and bench as paleo sea-level indicators on the west and south coast of Miura Peninsula, Central Japan.. <i>The Quaternary Research</i> , 1988, 27, 31-38.	0.2	4
88	Anthropogenic disturbance and restoration in coasts ^ ^mdash; Case study on dike opening at Honjo Area, Lake Nakaumi, Japan. <i>Ecology and Civil Engineering</i> , 2012, 15, 221-231.	0.1	4
89	Problems in Studying Nitrogen Cycling through Filter-Feeding Bivalve and Phytoplankton : A Review. <i>Benthos Research</i> , 1992, 1992, 29-38.	0.2	3
90	Proposal of Experimental Methods for Nutrients Release and SOD. <i>Proceedings of Hydraulic Engineering</i> , 1997, 41, 433-438.	0.0	3



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109	Two new species of freshwater crabs of the genus <i>Sundathelphusa</i> Bott, 1969 (Decapoda: Brachyura:) Tj ETQq1 1 0,784314 1gBT /Over	0.2	1
110	Detection of shellfish in the sediment by 1-MHz ultrasound: Focusing on weak scatter and incident angle. , 2016, .		1
111	The Effect of Charophyte Communities on Phosphorus Flow in Lake Shinji, Japan. <i>Aquatic Science and Technology</i> , 2017, 5, 13.	0.1	1
112	Amount of organic carbon and its fractionation dissolved from <i>Nymphoides peltata</i> and <i>Phragmites australis</i>. <i>Japanese Journal of Limnology</i> , 2014, 76, 1-10.	0.1	1
113	Estimation of the aquatic plant community area in Lake Shinji reconstructed with the aerial photographs taken by the US forces in 1940's.. <i>Ecology and Civil Engineering</i> , 2013, 16, 51-59.	0.1	1
114	Reprinting of the bibliography of Japanese limnological studies part 1 edited by Dr. Shin-kichi YOSHIMURA (2). <i>Japanese Journal of Limnology</i> , 2006, 67, 135-152.	0.1	1
115	The effects of temperature and salinity during the summer months on the annual fisheries yield of <i>Corbicula japonica</i> at Lake Shinji. <i>Japanese Journal of Limnology</i> , 2015, 77, 175-181.	0.1	1
116	A review of the Lake Baikal limpets, family Acroloxidae Thiele, 1931 (Mollusca: Pulmonata: Hygrophila), based on type specimens, with keys to the genera. <i>Archiv Fur Molluskenkunde</i> , 2017, 146, 9-64.	0.0	1
117	Effect of reduction of bivalve catches on lake water COD in Lake Shinji.. <i>Ecology and Civil Engineering</i> , 2018, 20, 167-177.	0.1	1
118	Preliminary report on the concentration of neonicotinoid pesticides in the water of Lake Shinji, Japan. <i>Japanese Journal of Limnology</i> , 2018, 79, 179-183.	0.1	1
119	Proceedings of Coastal Engineering Jsce, 1998, 45, 1046-1050		
120	Bioaccumulation of Diethylhexyl and Dibutyl Phtalates by a Diving Duck, <i>Aythya fuligula</i> .. <i>Journal of Japan Society on Water Environment</i> , 2000, 23, 168-172.	0.1	0
121	RELATIONSHIP BETWEEN LAND USE AND RIVER WATER QUALITY IN THE URBANIZING AREA OF THE SAKA RIVER, WESTERN PART OF THE SHIMOUSA UPLAND. <i>Proceedings of Hydraulic Engineering</i> , 2008, 52, 1129-1134.	0.0	0
122	HISTORY OF JAPANESE LIMNOLOGY. <i>Limnology and Oceanography Bulletin</i> , 2010, 19, 78-82.	0.2	0
123	The relationship between water temperature and dissolved organic carbon concentration in Lake Shinji. <i>Japanese Journal of Limnology</i> , 2014, 76, 225-229.	0.1	0
124	Atmospheric Phosphorus and Nitrogen Originating in China: Forest Deposition and Infiltration of Stream Water in Japan. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	0
125	Reprinting of the bibliography of Japanese limnological studies part 1 edited by Dr. Shin-kichi YOSHIMURA (3). <i>Japanese Journal of Limnology</i> , 2007, 68, 269-314.	0.1	0
126	Fishes and their stable isotope ratios caught at <i>Zizania latifolia</i> and <i>Typha domingensis</i> beds in Lake Teganuma.. <i>Ecology and Civil Engineering</i> , 2012, 15, 115-120.	0.1	0



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127	Salinity range that freshwater submerged and floating-leaved plants which may overgrow in brackish lakes in Japan were observed. Japanese Journal of Limnology, 2013, 75, 113-118.	0.1	0
128	Impressions regarding ^ ^ldquo;Comment on .Anthropogenic disturbance and restoration in coasts ^ ^mdash; Case study on dike opening at Honjo Area, Lake Nakaumi, Japan' by M. Yamamuro, H. Kamiya and Y. Ishitobi ^ ^rdquo;.. Ecology and Civil Engineering, 2014, 16, 131-133.	0.1	0
129	Nuisance growth of macrophytes in lakes in Japan and overseas.. Ecology and Civil Engineering, 2019, 22, 51-60.	0.1	0
130	Impacts of Moriyama Dike opening on the water quality in summer at Honjo area, Lake Nakaumi. Japanese Journal of Limnology, 2020, 81, 223-231.	0.1	0
131	Lacustrine, wastewater, interstitial and fluvial water quality in the Southern Lake Baikal region. Journal of Water and Health, 2022, 20, 23-40.	1.1	0