

Taku Fujiwara

List of Publications by Year in descending order

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73
papers

856
citations

566801

15
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525886

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73
all docs

73
docs citations

73
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of a conductivity cell electrode as an ion chromatography detector. <i>Analytical Methods</i> , 2022, , .	1.3	0
2	Internet of Plants (IoP) Empowers Bottom-up Innovations in Greenhouse Horticulture. <i>Environmental Control in Biology</i> , 2022, 60, 3-12.	0.3	9
3	Nitrous oxide and carbon dioxide emissions from two types of soil amended with manure compost at different ammonium nitrogen rates. <i>Soil Science and Plant Nutrition</i> , 2022, 68, 473-490.	0.8	2
4	Inactivation of plant pathogenic bacterium <i>Ralstonia solanacearum</i> in drainage solution from hydroponic system by a rotating advanced oxidation contactor equipped with TiO ₂ /zeolite composite sheets. <i>Journal of Water Process Engineering</i> , 2022, 48, 102936.	2.6	1
5	Removing crotamiton from reverse osmosis concentrate by using coagulation and a rotating advanced oxidation contactor. <i>Environmental Quality Management</i> , 2021, 31, 85-94.	1.0	1
6	Characterization of Effluent Water Quality from Hydroponic Cultivation System. <i>Journal of Water and Environment Technology</i> , 2021, 19, 64-73.	0.3	2
7	Sustainable future: Resource recovery and concentrate management—An introduction. <i>Environmental Quality Management</i> , 2021, 31, 5-7.	1.0	0
8	Ion-Exclusion/Cation-Exchange Chromatography Using Dual-Ion-Exchange Groups for Simultaneous Determination of Inorganic Ionic Nutrients in Fertilizer Solution Samples for the Management of Hydroponic Culture. <i>Agronomy</i> , 2021, 11, 1847.	1.3	2
9	Thermodynamics of removing crotamiton and its transformation byproducts from water by a rotating advanced oxidation contactor with zeolite/TiO ₂ composite sheets. <i>Chemical Engineering Journal</i> , 2020, 380, 122479.	6.6	16
10	Removal of 1,4-dioxane from landfill leachate by a rotating advanced oxidation contactor equipped with activated carbon/TiO ₂ composite sheets. <i>Journal of Hazardous Materials</i> , 2020, 383, 121005.	6.5	32
11	Removal of sulfamonomethoxine and its transformation byproducts from fresh aquaculture wastewater by a rotating advanced oxidation contactor equipped with zeolite/TiO ₂ composite sheets. <i>Chemical Engineering Research and Design</i> , 2020, 134, 161-168.	2.7	26
12	EXPERIMENTAL STUDY ON HYDRAULIC PROPERTIES OF MANHOLES IN A SURCHARGED SEWER PIPE SYSTEM. <i>Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM))</i> , 2020, 76, I_451-I_460.	0.1	0
13	SIMULTANEOUS RECOVERY OF PHOSPHORUS AND POTASSIUM FROM BIOMASS AS MAGNESIUM SALT. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2020, 76, III_181-III_187.	0.1	0
14	Economic Analysis of Sewage Sludge Composting on Regional Circular Economy Using Municipal Input-output Table. <i>Journal of Japan Society on Water Environment</i> , 2020, 43, 63-68.	0.1	0
15	FIELD INVESTIGATION OF STORMWATER FLOWS IN AN URBAN SEWER SYSTEM AND A RECEIVING STREAM. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2020, 76, I_901-I_906.	0.0	0
16	Innovative Treatment of Organic Contaminants in Reverse Osmosis Concentrate from Water Reuse: a Mini Review. <i>Current Pollution Reports</i> , 2019, 5, 294-307.	3.1	35
17	Preparation of Flexible TiO ₂ /zeolite Composite Sheets for Removal of Sulfamethazine from Wastewater Using Papermaking Technique. <i>Journal of Water and Environment Technology</i> , 2019, 17, 395-406.	0.3	6
18	Spatial and daily variations of nitrous oxide emissions from biological reactors in a full-scale activated sludge anoxic/oxic process. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 333-339.	1.1	7

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19	DISTRIBUTION CHARACTERISTICS OF SEDIMENT AND NUTRIENTS AROUND GROUPED RIVER GROYNES. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2019, 75, 1_973-1_978.	0.0	0
20	Identification of microbial populations contributing to nitrification-associated nitrous oxide emission during cattle manure composting process with forced aeration. Journal of Material Cycles and Waste Management, 2018, 20, 353-360.	1.6	5
21	Removal of crotamiton and its degradation intermediates from secondary effluent using TiO ₂ -zeolite composites. Water Science and Technology, 2018, 77, 788-799.	1.2	7
22	Effects of cultivation period on catch crop chemical composition and potential for bioenergy production. Industrial Crops and Products, 2018, 111, 787-793.	2.5	4
23	Removal mechanism of sulfamethazine and its intermediates from water by a rotating advanced oxidation contactor equipped with TiO ₂ -high-silica zeolite composite sheets. Environmental Science and Pollution Research, 2018, 25, 29017-29025.	2.7	13
24	Site selection for catch crop processing facilities. Letters in Spatial and Resource Sciences, 2017, 10, 1-15.	1.2	0
25	Removal behaviors of sulfamonomethoxine and its degradation intermediates in fresh aquaculture wastewater using zeolite/TiO ₂ composites. Journal of Hazardous Materials, 2017, 340, 427-434.	6.5	50
26	Removal of Crotamiton from Reverse Osmosis Concentrate by a TiO ₂ /Zeolite Composite Sheet. Applied Sciences (Switzerland), 2017, 7, 778.	1.3	10
27	EFFECTS OF A WASHING PROCESS OF CATTLE MANURE ASH ON ROOT AND SHOOT GROWTH OF KOMATSUNA (<i>BRASSICA RAPA</i> VAR. <i>PERVIRIDIS</i>) AT THE SEEDLING STAGE. Journal of Environmental Science for Sustainable Society, 2017, 8, 15-21.	0.1	1
28	Simulation of the Collection of Catch Crops for the Recovery of Agricultural Resources using Geographic and Statistical Data. Transactions in GIS, 2016, 20, 221-239.	1.0	1
29	Aqueous leaching of cattle manure incineration ash to produce a phosphate enriched fertilizer. Journal of Material Cycles and Waste Management, 2016, 18, 608-617.	1.6	7
30	Adsorptive Removal and Photocatalytic Decomposition of 1,4-Dioxane in Landfill Leachate using Activated Carbon/TiO ₂ Composites. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, III_419-III_427.	0.1	1
31	Emission and control of N ₂ O and composition of ash derived from cattle manure combustion using a pilot-scale fluidized bed incinerator. Environmental Technology (United Kingdom), 2016, 37, 432-438.	1.2	7
32	Nitrous oxide emissions during biological soil disinfestation with different organic matter and plastic mulch films in laboratory-scale tests. Environmental Technology (United Kingdom), 2016, 37, 432-438.	1.2	7
33	9th IWA symposium on waste management problems in agro-industries-AGRO'2014. Environmental Technology (United Kingdom), 2016, 37, 431-431.	1.2	0
34	Non-sterile simultaneous saccharification and fermentation of corn leaves and stalks to L-lactic acid without external nutrient addition. Journal of Material Cycles and Waste Management, 2016, 18, 208-214.	1.6	6
35	Comprehensive analysis of soil nitrogen removal by catch crops based on growth and water use. International Agrophysics, 2016, 30, 383-390.	0.7	1
36	Sulfonamide antibiotic removal and nitrogen recovery from synthetic urine by the combination of rotating advanced oxidation contactor and methylene urea synthesis process. Water Science and Technology, 2015, 72, 238-244.	1.2	9

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37	Effluent N, P and COD Loads from Paddy Fields in Japan: A Critical Review. Journal of Japan Society on Water Environment, 2015, 38, 81-91.	0.1	10
38	Combined use of sugars and nutrients derived from young maize plants for thermophilic L-lactic acid fermentation. Industrial Crops and Products, 2015, 69, 440-446.	2.5	10
39	Relationship between respiratory quotient, nitrification, and nitrous oxide emissions in a forced aerated composting process. Waste Management, 2015, 42, 10-16.	3.7	18
40	Effects of soil type and nitrate concentration on denitrification products (N ₂ O and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Nutrition, 2015, 61, 999-1004.	0.8	10
41	Factors affecting the adsorptive removal of bisphenol A in landfill leachate by high silica Y-type zeolite. Environmental Science and Pollution Research, 2015, 22, 2788-2799.	2.7	13
42	Solid fuel production from cattle manure by dewatering using liquefied dimethyl ether. Fuel, 2015, 159, 7-14.	3.4	30
43	Photocatalytic decomposition behavior and reaction pathway of sulfamethazine antibiotic using TiO ₂ . Journal of Environmental Management, 2015, 157, 103-110.	3.8	54
44	NITROUS OXIDE AND CARBON DIOXIDE EMISSIONS FROM PADDY SOIL TREATED WITH RICE HUSK PRODUCTS AT DIFFERENT MOISTURE CONTENTS IN A SHORT-TERM EXPERIMENT. Journal of Environmental Science for Sustainable Society, 2015, 7, 9-15.	0.1	0
45	RNA Recovery Method Suitable for Analysis of Microbial Communities in Cattle Manure Composting Samples. Japanese Journal of Water Treatment Biology, 2015, 51, 1-9.	0.2	0
46	Advantages of pre-harvest temporal flooding in a catch crop field in relation to soil moisture and nutrient salt removal by root uptake. Biologia (Poland), 2014, 69, 1577-1584.	0.8	5
47	Characteristics of Nutrient Salt Uptake Associated with Water Use of Corn as a Catch Crop at Different Plant Densities in a Greenhouse. Pedosphere, 2014, 24, 339-348.	2.1	11
48	Utilization of water chestnut for reclamation of water environment and control of cyanobacterial blooms. Environmental Science and Pollution Research, 2014, 21, 2249-2255.	2.7	2
49	Modeling of sulfonamide antibiotic removal by TiO ₂ /high-silica zeolite HSZ-385 composite. Journal of Hazardous Materials, 2014, 272, 1-9.	6.5	39
50	Adsorptive removal and photocatalytic decomposition of sulfamethazine in secondary effluent using TiO ₂ zeolite composites. Environmental Science and Pollution Research, 2014, 21, 834-842.	2.7	39
51	EVALUATION OF GREENHOUSE GAS EMISSION, NITROGEN LOAD AND BREAK-EVEN POINT OF INTRODUCING LACTATE FERMENTATION AND CATCH CROP SYSTEM. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2014, 70, III_483-III_491.	0.1	1
52	Nitrous oxide emission mechanisms during intermittently aerated composting of cattle manure. Bioresource Technology, 2013, 141, 205-211.	4.8	41
53	Cascade utilization of water chestnut: recovery of phenolics, phosphorus, and sugars. Environmental Science and Pollution Research, 2013, 20, 5373-5378.	2.7	8
54	Adsorptive removal of sulfonamide antibiotics in livestock urine using the high-silica zeolite HSZ-385. Water Science and Technology, 2013, 67, 319-325.	1.2	23

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55	Seasonal changes in the performance of a catch crop for mitigating diffuse agricultural pollution. <i>Water Science and Technology</i> , 2013, 68, 776-782.	1.2	10
56	Concept of an innovative water management system with decentralized water reclamation and cascading material-cycle for agricultural areas. <i>Water Science and Technology</i> , 2012, 66, 1171-1177.	1.2	24
57	Nutrient recovery from biomass cultivated as catch crop for removing accumulated fertilizer in farm soil. <i>Water Science and Technology</i> , 2012, 66, 1110-1116.	1.2	12
58	Emission of greenhouse gases from controlled incineration of cattle manure. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1539-1544.	1.2	10
59	Energy Efficiency of Full-scale Oxidation Ditch with Dual Dissolved Oxygen Control Technology in Clean Water and Domestic Wastewater. <i>Journal of Water and Environment Technology</i> , 2012, 10, 229-240.	0.3	5
60	Comparison of simultaneous and separate processes: saccharification and thermophilic lactate fermentation of catch crop and aquatic plant biomass. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1523-1529.	1.2	15
61	Photocatalytic decomposition of crotamiton over aqueous TiO ₂ suspensions: Determination of intermediates and the reaction pathway. <i>Chemosphere</i> , 2012, 89, 213-220.	4.2	30
62	Evaluation of a novel oxidation ditch system with dual DO control technology for biological nutrient removal by mass balance analysis. <i>Desalination</i> , 2012, 286, 24-33.	4.0	10
63	pH-Dependent adsorption of sulfa drugs on high silica zeolite: Modeling and kinetic study. <i>Desalination</i> , 2011, 275, 237-242.	4.0	110
64	Analyzing Evapotranspiration Components and Crop Coefficients for Catch Crop Field with Small Area at Different Plant Densities in a Greenhouse. <i>Environmental Control in Biology</i> , 2011, 49, 217-225.	0.3	8
65	Evaluation of a novel oxidation ditch system for biological nitrogen and phosphorus removal from domestic sewage. <i>Water Science and Technology</i> , 2010, 62, 1745-1754.	1.2	6
66	Investigation of 1,4-dioxane originating from incineration residues produced by incineration of municipal solid waste. <i>Chemosphere</i> , 2008, 71, 894-901.	4.2	12
67	Relation between the depth of saltwater/freshwater interface estimated by Wenner method and the electric conductivity of groundwater. <i>Journal of Groundwater Hydrology</i> , 2006, 48, 169-181.	0.1	2
68	Effects of tidal river on the temporal variation of saltwater intrusion in a coastal aquifer. <i>Journal of Groundwater Hydrology</i> , 2004, 46, 299-313.	0.1	1
69	Sequential variation of groundwater quality in an agricultural area with greenhouses near the coast. <i>Water Science and Technology</i> , 2002, 45, 53-61.	1.2	8
70	A Method of Estimating The Probable Precipitation.. <i>Suimon Mizu Shigen Gakkaishi</i> , 2001, 14, 307-316.	0.1	0
71	Variation of Fresh-Salt Water Interface in a Coastal Aquifer and Detection of the Interface by Electrical Prospecting. <i>Journal of Groundwater Hydrology</i> , 2000, 42, 223-233.	0.1	4
72	Effect of draft tube diameter on nitrogen removal from domestic sewage in a draft tube type reactor. <i>Water Science and Technology</i> , 1998, 38, 319.	1.2	6

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73	Nitrous oxide and carbon dioxide emissions from two soils amended with different manure composts in aerobic incubation tests. Soil Science and Plant Nutrition, 0, , 1-14.	0.8	1