Naoyuki Kishimoto

List of Publications by Year
in descending order

70 papers	1,013 citations	471371 17 h-index	477173 29 g-index
70 all docs	70 docs citations	70 times ranked	1181 citing authors

#	Article	IF	Citations
1	Advanced oxidation effect of ozonation combined with electrolysis. Water Research, 2005, 39, 4661-4672.	5.3	96
2	Reusability of iron sludge as an iron source for theÂelectrochemical Fenton-type process using Fe2+/HOCl system. Water Research, 2013, 47, 1919-1927.	5.3	95
3	Bromate Ion Removal by Electrochemical Reduction Using an Activated Carbon Felt Electrode. Environmental Science & Technology, 2009, 43, 2054-2059.	4.6	70
4	Ozonation combined with electrolysis of 1,4-dioxane using a two-compartment electrolytic flow cell with solid electrolyte. Water Research, 2008, 42, 379-385.	5.3	64
5	State of the Art of UV/Chlorine Advanced Oxidation Processes: Their Mechanism, Byproducts Formation, Process Variation, and Applications. Journal of Water and Environment Technology, 2019, 17, 302-335.	0.3	47
6	Color Removal of Reactive Procion Dyes by Clay Adsorbents. Procedia Environmental Sciences, 2013, 17, 270-278.	1.3	46
7	Mechanistic Consideration of Zinc Ion Removal by Zero-Valent Iron. Water, Air, and Soil Pollution, 2011, 221, 183-189.	1.1	34
8	Applicability of Ozonation Combined with Electrolysis to 1,4-Dioxane Removal from Wastewater Containing Radical Scavengers. Ozone: Science and Engineering, 2007, 29, 13-22.	1.4	30
9	Technical feasibility of UV/electro-chlorine advanced oxidation process and pH response. Chemical Engineering Journal, 2018, 334, 2363-2372.	6.6	30
10	Advanced treatment of sewage by pre-coagulation and biological filtration process. Water Research, 2003, 37, 4259-4269.	5.3	29
11	Effect of oxidationâ€"reduction potential on an electrochemical Fenton-type process. Chemical Engineering Journal, 2015, 260, 590-595.	6.6	26
12	Effects of waste glass additions on quality of textile sludge-based bricks. Environmental Technology (United Kingdom), 2015, 36, 2443-2450.	1.2	24
13	Influence of Chelating Agents on Fenton-Type Reaction Using Ferrous Ion and Hypochlorous Acid. Journal of Water and Environment Technology, 2013, 11, 21-32.	0.3	23
14	Rapid removal of bromate ion from water streams with an electrolytic flow cell. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 103-110.	0.6	22
15	Treatment of Paper and Pulp Mill Wastewater by Ozonation Combined with Electrolysis. Journal of Water and Environment Technology, 2010, 8, 99-109.	0.3	21
16	Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. Environmental Technology (United Kingdom), 2015, 36, 2436-2442.	1.2	19
17	Characteristics of Electrolysis, Ozonation, and their Combination Process on Treatment of Municipal Wastewater. Water Environment Research, 2007, 79, 1033-1042.	1.3	18
18	Analysis of long-term variation in phytoplankton biovolume in the northern basin of Lake Biwa. Limnology, 2013, 14, 117-128.	0.8	18

#	Article	IF	Citations
19	Recent Developments in Electrochemical Technology for Water and Wastewater Treatments. Journal of Water and Environment Technology, 2016, 14, 25-36.	0.3	17
20	Efficacy of a two-compartment electrochemical flow cell introduced into a reagent-free UV/chlorine advanced oxidation process. Chemical Engineering Journal, 2020, 388, 124385.	6.6	17
21	Evaluation of Growth Characteristics of <I>Euglena gracilis</I> for Microalgal Biomass Production Using Wastewater. Journal of Water and Environment Technology, 2015, 13, 195-205.	0.3	14
22	Effects of oxidationâ€“reduction potential control and sequential use of biological treatment on the electrochemical Fenton-type process. Chemical Engineering Research and Design, 2017, 105, 134-142.	2.7	14
23	Fouling behaviour of a reverse osmosis membrane by three types of surfactants. Journal of Water Reuse and Desalination, 2012, 2, 40-46.	1.2	13
24	Effect of Separation of Ozonation and Electrolysis on Effective Use of Ozone in Ozone-Electrolysis Process. Ozone: Science and Engineering, 2011, 33, 463-469.	1.4	12
25	Bromate Formation Characteristics of UV Irradiation, Hydrogen Peroxide Addition, Ozonation, and Their Combination Processes. International Journal of Photoenergy, 2012, 2012, 1-10.	1.4	12
26	Adsorption characteristics of clay adsorbents â€“ sepiolite, kaolin and synthetic talc â€“ for removal of <scp>R</scp>eactive <scp>Y</scp>ellow 138:1. Water and Environment Journal, 2015, 29, 375-382.	1.0	12
27	Influence of temperature and COD loading on biological nitrificationâ€“denitrification process using a trickling filter: an empirical modeling approach. International Journal of Environmental Research, 2017, 11, 71-82.	1.1	12
28	Technical Feasibility of Electrochemical Fenton-Type Process Using Cu(I)/HOCl System. Journal of Water and Environment Technology, 2018, 16, 73-82.	0.3	12
29	Catalytic Effect of Several Iron Species on Ozonation. Journal of Water and Environment Technology, 2012, 10, 205-215.	0.3	11
30	Reusability of zero-valent iron particles for zinc ion separation. Separation and Purification Technology, 2018, 193, 139-146.	3.9	10
31	Effects of three additives on the removal of perfluorooctane sulfonate (PFOS) by coagulation using ferric chloride or aluminum sulfate. Water Science and Technology, 2016, 73, 2971-2977.	1.2	9
32	Methylene blue removal by carbonized textile sludge-based adsorbent. Water Science and Technology, 2017, 76, 3126-3134.	1.2	9
33	Feasibility of Mercury-free Chemical Oxygen Demand (COD) Test with Excessive Addition of Silver Sulfate. Journal of Water and Environment Technology, 2018, 16, 221-232.	0.3	9
34	Ozonation Combined with Electrolysis of Night Soil Treated by Biological Nitrification-Denitrification Process. Ozone: Science and Engineering, 2008, 30, 282-289.	1.4	8
35	Applicability of an electrochemical Fenton-type process to actual wastewater treatment. Water Science and Technology, 2015, 72, 850-857.	1.2	8
36	Effects of Ozone-Gas Bubble Size and pH on Ozone/UV Treatment. Ozone: Science and Engineering, 2011, 33, 396-402.	1.4	7

#	ARTICLE	IF	CITATIONS
37	Influence of Phosphorus Concentration on the Biodegradation of Dissolved Organic Matter in Lake Biwa, Japan. Journal of Water and Environment Technology, 2011, 9, 215-223.	0.3	7
38	Effects of recirculation rate of nitrified liquor and temperature on biological nitrificationâ€“denitrification process using a trickling filter. Water and Environment Journal, 2016, 30, 190-196.	1.0	7
39	Characteristics of fluoride adsorption onto aluminium(III) and iron(III) hydroxide flocs. Separation Science and Technology, 2017, 52, 42-50.	1.3	7
40	Effect of Active Control of Air-Cathode pH on the Performance of a Microbial Fuel Cell. Journal of Water and Environment Technology, 2013, 11, 453-461.	0.3	6
41	Roughness and temperature effects on the filter media of a trickling filter for nitrification. Environmental Technology (United Kingdom), 2014, 35, 1549-1555.	1.2	6
42	Mechanistic Consideration of Fluoride Removal Using Aluminum Sulfate. Journal of Water and Environment Technology, 2015, 13, 15-24.	0.3	6
43	Does a Decrease in Chlorophyll <I>a</I> Concentration in Lake Biwa Mean a Decrease in Primary Productivity by Phytoplankton?. Journal of Water and Environment Technology, 2015, 13, 1-14.	0.3	5
44	Effects of Several Factors on Operation of an Electro-Advanced Oxidation Process using Fe2+/HOCl System. Journal of Japan Society on Water Environment, 2011, 34, 81-87.	0.1	4
45	Efficacy of vacuum ultraviolet photolysis for bromate and chlorate removal. Water Science and Technology: Water Supply, 2015, 15, 810-816.	1.0	4
46	Effects of pH and coexisting chemicals on photolysis of perfluorooctane sulfonate using an excited xenon dimer lamp. Water Science and Technology, 2018, 77, 108-113.	1.2	4
47	Catalytic Effect of Copper on Ozonation in Aqueous Solution. Ozone: Science and Engineering, 2021, 43, 520-526.	1.4	4
48	Catalytic Effect of Copper on Ozonation in Aqueous Solution. Ozone: Science and Engineering, 0, , 1-8.	1.4	3
49	Dependency of Advanced Oxidation Performance on the Contaminated Water Feed Mode for Ozonation Combined with Electrolysis Using a Two-compartment Electrolytic Flow Cell. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	2
50	Removal of Persistent Organic Compounds and Total Nitrogen in Wastewater by Ozonation Combined with Electrolysis Using Two-Compartment Electrolytic Flow Cell with Solid Electrolyte. Journal of Japan Society on Water Environment, 2008, 31, 359-365.	0.1	2
51	Restoration of hypolimnetic dissolved oxygen through light irradiation-induced periphyton production. Lakes and Reservoirs: Research and Management, 2009, 14, 163-169.	0.6	2
52	Relationship between Lakeshore Configuration and Siltation in the East Coast of the Northern Basin of Lake Biwa. Journal of Japan Society on Water Environment, 2014, 37, 45-53.	0.1	2
53	Influence of Operating Factors on Advanced Oxidation Performance of an Electrochemical Flow Cell Using a Fenton-type Reaction. Journal of Japan Society on Water Environment, 2015, 38, 93-99.	0.1	2
54	Efficacy of an electrochemical flow cell introduced into the electrochemical Fenton-type process using a Cu(I)/HOCl system. Water Science and Technology, 2019, 80, 184-190.	1.2	2

#	Article	IF	Citations
55	Model-Based Evaluation of the Effect of Discharge-Charge on Electric Power Generation of Microbial Fuel Cells. Journal of Water and Environment Technology, 2019, 17, 100-108.	0.3	2
56	Removal of linear alkylbenzene sulfonate (LAS) by a cetyltrimethylammonium bromide (CTAB)-aided coagulation-filtration process. Environmental Technology (United Kingdom), 2020, , 1-9.	1.2	2
57	Advanced oxidation mechanism of UV photolysis of electrochemically generated free bromine. Environmental Technology (United Kingdom), 2022, 43, 1761-1769.	1.2	2
58	Effect of Acidification on Ozone-Electrolysis Advanced Oxidation Process. Ozone: Science and Engineering, 0, , 1-9.	1.4	2
59	Motor Vehicle Wash-off Water as a Source of Phosphorus in Roadway Runoff. Journal of Water and Environment Technology, 2020, 18, 9-16.	0.3	2
60	Evaluation of Methods for Measuring Internal Resistances of Discharging Microbial Fuel Cells. Journal of Water and Environment Technology, 2022, 20, 1-10.	0.3	2
61	Influence of Cultural Conditions on the Cellular Biovolume and Gelatinous Sheath Volume of Staurastrum arctiscon (Charophyceae). Journal of Water and Environment Technology, 2013, 11, 49-58.	0.3	1
62	Estimation of Organic Carbon Content of the CyanobacteriumSynechococcussp. by Soft X-ray Microscopy. Geomicrobiology Journal, 2015, 32, 827-835.	1.0	1
63	Effects of environmental factors on microalgal biomass production in wastewater using cyanobacteriaAphanothece clathrataandMicrocystis wesenbergii. Environmental Technology (United) Tj ETQq1 1 0.784314 rg BT /Overl	1.2	1
64	Application of a Dialysis-Based pH Control System to a Microbial Fuel Cell Using Ferric-EDTA Electron Acceptor. Journal of Water and Environment Technology, 2017, 15, 207-219.	0.3	1
65	Sediment Assessment in Lake Biwa Littoral Zone. Japanese Journal of Water Treatment Biology, 2017, 53, 23-32.	0.2	1
66	Model-based Evaluation of the Effect of Temperature on Electric Power Generation in Microbial Fuel Cells. Journal of Water and Environment Technology, 2021, 19, 161-169.	0.3	1
67	Impact of Submerged Macrophytes on Behavior of Organic Carbon and Nutrients: An Experimental Study. Journal of Water and Environment Technology, 2021, 19, 35-47.	0.3	1
68	Influence of Operational Parameters on Rapid Nitrate Removal Using an Electrochemical Flow Cell. International Journal of Environmental Science and Development, 2016, 7, 499-506.	0.2	1
69	Wastewater treatment by ozonation combined with electrolysis. Journal of Environmental Conservation Engineering, 2004, 33, 837-842.	0.0	0
70	Availability of Seawater as A Chloride Source for UV/electro-chlorine Advanced Oxidation Process. Journal of Water and Environment Technology, 2021, 19, 283-293.	0.3	0