

Kei Nakagawa

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

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706676

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times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Is road-side fishpond water in Bangladesh safe for human use? An assessment using water quality indices. <i>Environmental Challenges</i> , 2022, 6, 100434.	2.0	14
2	Distribution of heavy metals and related health risks through soil ingestion in rural areas of western Japan. <i>Chemosphere</i> , 2022, 290, 133316.	4.2	19
3	Early-stage anaerobic zone formation by organic eluate from wood in soil. <i>Soils and Foundations</i> , 2022, 62, 101109.	1.3	0
4	Spatial Distribution and Source Identification of Water Quality Parameters of an Industrial Seaport Riverbank Area in Bangladesh. <i>Water (Switzerland)</i> , 2022, 14, 1356.	1.2	10
5	Evaluation on Nitrogen Load Change in Shimabara Peninsula by Factor Decomposition Approach. <i>Journal of Groundwater Hydrology</i> , 2022, 64, 91-100.	0.1	0
6	A Retardation Factor Considering Solute Transfer Between Mobile and Immobile Water in Porous Media. <i>Environmental Modeling and Assessment</i> , 2021, 26, 103-112.	1.2	4
7	Spatiotemporal variation of nitrate concentrations in soil and groundwater of an intensely polluted agricultural area. <i>Scientific Reports</i> , 2021, 11, 2598.	1.6	24
8	Spatial Characteristics of Groundwater Chemistry in Unzen, Nagasaki, Japan. <i>Water (Switzerland)</i> , 2021, 13, 426.	1.2	9
9	Interpolation of Nitrate Concentration in Groundwater Using Spatiotemporal Analysis with Land Use Information. <i>Suimon Mizu Shigen Gakkaishi</i> , 2021, 34, 181-191.	0.1	0
10	Suppression of Alkalization in Rainwater Regulating Reservoir by Shading on a Pilot Scale. <i>Water (Switzerland)</i> , 2021, 13, 2557.	1.2	0
11	Groundwater nitrogen response to regional land-use management in South Japan. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	3
12	The Relative Importance of Determinants of the Solar Photovoltaic Industry in China: Analyses by the Diamond Model and the Analytic Hierarchy Process. <i>Energies</i> , 2021, 14, 6600.	1.6	2
13	Using a linear discriminant analysis (LDA)-based nomenclature system and self-organizing maps (SOM) for spatiotemporal assessment of groundwater quality in a coastal aquifer. <i>Journal of Hydrology</i> , 2021, 603, 127082.	2.3	39
14	Effects of the Japanese 2016 Kumamoto Earthquake on Nitrate Content in Groundwater Supply. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 43.	0.8	4
15	RIVER CUTOFF AND SPRING DEPLETION IN MAKI, OZU, KUMAMOTO. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2021, 77, I_115-I_123.	0.1	0
16	Temporal characteristics of groundwater chemistry affected by the 2016 Kumamoto earthquake using self-organizing maps. <i>Journal of Hydrology</i> , 2020, 582, 124519.	2.3	62
17	Describing coseismic groundwater level rise using tank model in volcanic aquifers, Kumamoto, southern Japan. <i>Journal of Hydrology</i> , 2020, 582, 124464.	2.3	29
18	Impact of the Sediment Organic vs. Mineral Content on Distribution of the Per- and Polyfluoroalkyl Substances (PFAS) in Lake Sediment. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5642.	1.2	14

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19	INSIDE: An efficient guide for sustainable remediation practice in addressing contaminated soil and groundwater. <i>Science of the Total Environment</i> , 2020, 740, 139879.	3.9	15
20	Use of Heavy Metal Content and Modified Water Quality Index to Assess Groundwater Quality in a Semiarid Area. <i>Water (Switzerland)</i> , 2020, 12, 1115.	1.2	48
21	Earthquake effects on artificial groundwater recharge efforts in south Japan. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	4
22	SEPARATION OF FLUCTUATION COMPONENT OF GROUNDWATER LEVEL USING SPECTRAL ANALYSIS. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2020, 76, 1_487-1_493.	0.1	0
23	Analysis of earthquake-induced groundwater level change using self-organizing maps. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	16
24	Use of sterols to monitor surface water quality change and nitrate pollution source. <i>Ecological Indicators</i> , 2019, 107, 105534.	2.6	15
25	PREVENTION OF ALKALIZATION OF REGULATING POND FOR RAINWATER BY SHADING. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2019, 75, 1_393-1_401.	0.1	1
26	Interpolation of Groundwater Nitrate Concentration Using Time-Space Analysis in the Miyakonojo Basin. <i>Suimon Mizu Shigen Gakkaishi</i> , 2019, 32, 23-34.	0.1	1
27	Hydrogeochemical evolution of groundwater in a Quaternary sediment and Cretaceous sandstone unconfined aquifer in Northwestern China. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	10
28	Social sustainability assessment of groundwater resources: A case study of Hanoi, Vietnam. <i>Ecological Indicators</i> , 2018, 93, 1034-1042.	2.6	30
29	Surface water chemistry and nitrate pollution in Shimabara, Nagasaki, Japan. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	15
30	AN ANALYSIS OF THE RELATION BETWEEN GROUNDWATER NITRATE CONCENTRATION AND LAND USE IN THE MIYAKONOJO BASIN. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2018, 74, 1_87-1_94.	0.1	3
31	REACTIVE TRANSPORT CHARACTERISTICS FOCUSING ON SALT SORPTION ON VOLCANIC ASH SOIL. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2018, 74, 1_95-1_102.	0.1	0
32	RELATIONSHIP BETWEEN OXYGEN CONSUMPTION RATE OF EXTRACTION LIQUID FROM WOOD AND CONCENTRATION OF HYDROGEN SULFIDE “ APPLICATION TO SOLID WASTE LANDFILL SITE. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2018, 74, 1_189-1_194.	0.1	0
33	HYDROGEN SULFIDE GENERATION SUPPRESSION BY VARIOUS TYPES OF OXYGEN ADDITION “ APPLICATION TO SOLID WASTE LANDFILL SITE. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2018, 74, 1_181-1_188.	0.1	0
34	STUDY ON THE INFLUENCE OF NONUNIFORMITY IN AQUIFER THERMAL ENERGY SYSTEM. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2018, 74, 1_337-1_342.	0.0	0
35	MULTI-LEVEL DILUTION TEST AND NUMERICAL EVALUATION OF THE HYDRAULIC PARAMETERS DISTRIBUTION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2018, 74, 1_19-1_24.	0.0	0
36	Reproduction of breakthrough curves for reactive transport experiment in the heterogeneous seepage tank by use of Continuous Time Random Walk (CTRW). <i>Journal of Groundwater Hydrology</i> , 2018, 60, 305-315.	0.1	0

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37	Prospects of Groundwater Research in Hydrology and Water Resources Science. Suimon Mizu Shigen Gakkaishi, 2018, 31, 549-553.	0.1	0
38	Classification of groundwater chemistry in Shimabara, using self-organizing maps. Hydrology Research, 2017, 48, 840-850.	1.1	25
39	Recovery of groundwater in the Sanriku region contaminated by the tsunami inundation from the 2011 Tohoku earthquake. Environmental Earth Sciences, 2017, 76, 1.	1.3	5
40	On the use of coprostanol to identify source of nitrate pollution in groundwater. Journal of Hydrology, 2017, 550, 663-668.	2.3	39
41	Hydrogeological observations related to the decisions of groundwater management. Journal of Groundwater Hydrology, 2017, 59, 1-2.	0.1	0
42	Sustainability Assessment of Groundwater Resources in Hanoi, Vietnam from a Social Perspective. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, I_17-I_24.	0.1	0
43	Modeling of Salt Sorption in Volcanic Ash Soil. Communications in Soil Science and Plant Analysis, 2017, 48, 2594-2600.	0.6	1
44	HYDROGEOCHEMICAL ASSESSMENT OF GROUNDWATER QUALITY IN SHIMABARA, NAGASAKI, JAPAN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2017, 73, I_73-I_78.	0.0	1
45	STUDY ON STATISTICAL PROPERTIES OF DARCY VELOCITY DISTRIBUTION AND FORM OF WATER PATH IN NON-UNIFORM FIELD. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2017, 73, I_49-I_54.	0.0	0
46	DETECTION OF IMPERMEABLE STRUCTURE IN SUBSURFACE USING SURFACE THERMAL IMAGES. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, I_1-I_8.	0.1	0
47	Grouping by Visual Appearance of Construction and Demolition Waste for Sorting Time Reduction with the Aim of Removing Asbestos-Containing Materials. International Journal of Waste Resources, 2017, 07, .	0.2	0
48	ANALYSIS ON THE QUESTIONNAIRE FOR LOCAL RESIDENTS ABOUT THE ENVIRONMENTAL POLICY BY USING SELF-ORGANIZING MAP. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, I_131-I_140.	0.1	0
49	STUDY ON QUANTITATIVE EVALUATION OF MACROSCOPIC DISPERSIVITY IN UNSATURATED/ NONUNIFORM INFILTRATION FIELD. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_277-I_282.	0.0	0
50	Groundwater geochemistry of a nitrate-contaminated agricultural site. Environmental Earth Sciences, 2016, 75, 1.	1.3	19
51	Decomposition approach of the nitrogen generation process: empirical study on the Shimabara Peninsula in Japan. Environmental Science and Pollution Research, 2016, 23, 23249-23261.	2.7	5
52	CLASSIFICATION CHARACTERISTICS OF MULTIVARIATE ANALYSES FOR GROUNDWATER CHEMISTRY —CASE STUDY ON SHIMABARA CITY—. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, I_127-I_135.	0.1	3
53	EFFECTS OF PLANT WATER UPTAKE ON THE DISTRIBUTION OF SOIL CHEMICAL COMPONENT. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_259-I_264.	0.0	0
54	Spatial trends of nitrate pollution and groundwater chemistry in Shimabara, Nagasaki, Japan. Environmental Earth Sciences, 2016, 75, 1.	1.3	53

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55	Potential map accuracy of groundwater nitrate load from agricultural activities in Shimabara City, Nagasaki Prefecture, Japan. <i>Journal of Groundwater Hydrology</i> , 2015, 57, 483-493.	0.1	9
56	ANALYSIS ON THE QUESTIONNAIRE FOR UNIVERSITY STUDENTS ABOUT THE TERMS OF ENVIRONMENTAL SCIENCES BY USING SELF-ORGANIZING MAP. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2015, 71, II_423-II_431.	0.1	0
57	STUDY ON ADVECTION DISPERSION PHENOMENA IN THE UNSATURATED VERTICAL INFILTRATION FIELD. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015, 71, I_223-I_228.	0.0	0
58	ELECTRO-KINETIC REMEDIATION MODEL FOR CONTAMINATED SOIL AND GROUNDWATER. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015, 71, I_235-I_240.	0.0	1
59	Evaluation of Phosphate Removal Using Purification Plant Sludge and Simulation of Concentration Change in an Adjustment Reservoir in Isahaya Reclaimed Land. <i>Suimon Mizu Shigen Gakkaishi</i> , 2014, 27, 105-115.	0.1	0
60	NUMERICAL EVALUATION OF NITRATE POLLUTION AND REMEDIATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014, 70, I_1111-I_1116.	0.0	1
61	Groundwater, river water, and soil in the Minamisanriku town affected by the 2011 tsunami. <i>Journal of Groundwater Hydrology</i> , 2014, 56, 107-119.	0.1	2
62	Difference in Density of Fiber Bundles Exposed on Surface of Asbestos-Containing Materials--with the Aim to Reduce Time Necessary for Visual Observation. <i>International Journal of Environment and Resource</i> , 2014, 3, 46.	0.1	0
63	Classic & contemporary papers of groundwater science How to evaluate appropriate dispersivity at the field scale. <i>Journal of Groundwater Hydrology</i> , 2014, 56, 67-71.	0.1	0
64	Influence of oxygen flow rate and compost addition on reduction of organic matter in aerated waste layer containing mainly incineration residue. <i>Journal of Environmental Sciences</i> , 2013, 25, 53-58.	3.2	0
65	THE METHOD TO DETERMINE SOLUTE DISPERSIVITY FROM THE THERMAL IMAGE OF THE PLUME. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013, 69, I_577-I_582.	0.0	0
66	STUDY ON RAINFALL INFILTRATION AND ADVECTION DISPERSION PHENOMENA IN THE MOUNTAINSIDE BY USING 3D NUMERICAL MODEL. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013, 69, I_571-I_576.	0.0	0
67	Effect of Tsunami induced by the 2011 off the Pacific coast of Tohoku Earthquake on groundwater. <i>Journal of Groundwater Hydrology</i> , 2013, 55, 21-28.	0.1	4
68	EXPERIMENTAL AND NUMERICAL STUDY ON RAINFALL INFILTRATION AND SOLUTE TRANSPORT IN MODEL SLOPE. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012, 68, I_535-I_540.	0.0	0
69	HEAVY METAL CONCENTRATION OF SOIL IN THE REGIONAL CITY PLAYGROUNDS. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2012, 68, 189-194.	0.1	0
70	EVALUATION OF DISPERSIVITY UNDER UNSATURATED CONDITION BY NUMERICAL SIMULATION OF TRACER TEST IN THE SEEPAGE TANK. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012, 68, I_553-I_558.	0.0	0
71	On the importance of hysteresis and heterogeneity in the numerical simulation of unsaturated flow. <i>Hydrological Research Letters</i> , 2012, 6, 59-64.	0.3	5
72	NUMERICAL STUDY ON SEAWATER INTRUSION IN NON-UNIFORM AQUIFER. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2011, 67, I_595-I_600.	0.0	0

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73	NUMERICAL STUDY ON GROUNDWATER POLLUTION MECHANISM IN THE TWO SHIRASU PLATEAUS IN THE SAME CATCHMENT AREA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, 1_583-1_588.	0.0	0
74	FRESH AND SALTWATER MOVEMENT AFTER INSTALLATION OF CUT-OFF WALL IN CONFINED AQUIFER. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, 1_601-1_606.	0.0	2
75	Effects of Recharge Wells and Flow Barriers on Seawater Intrusion. Ground Water, 2011, 49, 239-249.	0.7	127
76	Modeling Solute Transport in Volcanic Ash Soils with Cation Exchange and Anion Retardation. Environmental Modeling and Assessment, 2011, 16, 335-342.	1.2	2
77	Numerical study on quantitative evaluation of macroscopic dispersivity by using stochastic fractal model. Journal of Groundwater Hydrology, 2011, 53, 343-355.	0.1	5
78	Modelling reactive solute transport from groundwater to soil surface under evaporation. Hydrological Processes, 2010, 24, 608-617.	1.1	10
79	Laboratory-scale saltwater behavior due to subsurface cutoff wall. Journal of Hydrology, 2009, 377, 227-236.	2.3	103
80	Modeling the water budget in a deep caldera lake and its hydrologic assessment: Lake Ikeda, Japan. Agricultural Water Management, 2009, 96, 35-42.	2.4	13
81	Soil heterogeneity effects on acid flushing of lead-contaminated soil. Environmental Modeling and Assessment, 2008, 13, 121-134.	1.2	4
82	LABORATORY EXPERIMENT ON REACTIVE TRANSPORT IN PHYSICALLY AND CHEMICALLY HETEROGENEOUS FIELD. Proceedings of Hydraulic Engineering, 2008, 52, 397-402.	0.0	0
83	Microscopic and macroscopic dispersions in convection-dispersion processes. Journal of Groundwater Hydrology, 2008, 50, 179-186.	0.1	1
84	WATER INFILTRATION ANALYSIS IN THE UNSATURATED-HETEROGENEOUS FIELD. Doboku Gakkai Ronbunshuu B, 2008, 64, 30-40.	0.1	1
85	WATER INFILTRATION INVESTIGATIONS IN UNSATURATED-HETEROGENEOUS FIELD BY TDR METHOD USING PRINTED CIRCUIT BOARD PROBE AND BY IMAGE ANALYSIS. Proceedings of Hydraulic Engineering, 2007, 51, 439-444.	0.0	0
86	Groundwater Simulation using Spreadsheets. Journal of Groundwater Hydrology, 2007, 49, 49-57.	0.1	1
87	APPARENT DISPERSIVITY OF PHYSICALLY-CHEMICALLY HETEROGENEOUS POROUS MEDIA. Proceedings of Hydraulic Engineering, 2006, 50, 229-234.	0.0	0
88	Observations and modelling of seawater intrusion for a small limestone island aquifer. Hydrological Processes, 2005, 19, 3897-3909.	1.1	12
89	Saltwater intrusion in coastal aquifer ??? comparison between the CIP and MOC simulation technique. Environmental Modeling and Assessment, 2005, 10, 323-329.	1.2	10
90	Evaluation of the Heterogeneous Hydrogeological Structure. , 2000, , 387-392.		0

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91	Numerical Study on Saltwater Intrusion in a Heterogeneous Stratified Aquifer. Journal of the Faculty of Agriculture, Kyushu University, 2000, 45, 317-323.	0.1	4