

Technical Papers

Year	Title of Paper	Presented To
2023	Creation of an approximate quantity design model based on the characteristics of business entities for the introduction of a small-scale simplified DB method	FY2023 Japan Water Works Association National Conference Waterworks Research Presentation
	Study on rational maintenance methods for water pipe bridges - Creation of a strategic inspection manual for water pipe bridges	FY2023 Japan Water Works Association National Conference Waterworks Research Presentation
	Study of disaster scenarios and contingency maps that will contribute to planning, training, human resource development, technology transfer, etc.	FY2023 Japan Water Works Association National Conference Waterworks Research Presentation
	A study on predicting pipeline damage caused by earthquakes - Verification of a prediction formula based on the situation in eastern Iburi, Hokkaido	FY2023 Japan Water Works Association National Conference Waterworks Research Presentation
	Examples of creating action manuals for each water supply and sewerage department in response to disasters	FY2023 Japan Water Works Association National Conference Waterworks Research Presentation
	Damage prediction and restoration study of interconnecting pipes in utility tunnels for disaster mitigation	FY2023 Japan Water Works Association National Conference Waterworks Research Presentation
	Japan Water Works Association Summary of the revised 2022 Guidelines and Commentary on Earthquake-Resistant Construction Methods for Water Facilities	Concrete Engineering Vol.061 No.06 Common name.0693
	Research on building sustainable small-scale water supply systems through digital transformation	Japan Water News April 3, 2024
	I thought about the financial issues surrounding the water and sewerage business.	Public Opinion on Water Supply Vol.059 No.12 Common name.0704
	New diagnostic technology for wastewater treatment plant structures	Journal of Japan Sewage Works Association Vol.061 No.- Common name.0735
	Extraction of factors influencing the amount and fluctuation rate of digestion gas generation nationwide	Journal of Japan Sewage Works Association Vol.060 No.- Common name.0734
	Current status and issues of sewage sludge composting in Hokkaido	The 60th Sewerage Research Presentation
	Analysis of large-scale production and sales methods of sewage sludge fertilizer by private businesses	The 60th Sewerage Research Presentation
	AI for sewer pipes: Initiatives to improve accuracy in detecting abnormalities and expand application to different types of pipes	The 60th Sewerage Research Presentation
	From Stock Management Plan to Basic Reconstruction Plan - For the Future 50 Years from Now	The 60th Sewerage Research Presentation
	Changes in water regulations following the privatization of water and sewerage services in the UK	The 60th Sewerage Research Presentation
	Proposal for overall flow for reconstruction of pressure pipeline	The 60th Sewerage Research Presentation
	Study on a sewer pipe deterioration prediction model using machine learning	The 60th Sewerage Research Presentation
	Decarbonization efforts in water systems	Journal of sewerage, monthly Vol.046 No.14 Common name.0674

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2023	A study on the floating characteristics of buried water and sewerage pipelines due to liquefaction and floating countermeasures using crushed stone	The 43rd JSCE Earthquake Engineering Research Presentation
	Re-analysis of cases of buried pipelines floating due to liquefaction and research into countermeasures	The 43rd JSCE Earthquake Engineering Research Presentation
	Seismic assessment of sewage treatment plant structures focusing on ground displacement - Kobe City Higashinada Treatment Plant No. 3 Work Section Pump Room -	Foundation Work Vol.051 No.10 Common name.0603
	Issues regarding water environment health indicators: from the perspective of water cycle and SDGs	Journal of Japan Society on Water Environmen Vol.046 No.02 Common name.0496
	“Roundtable discussion” Expectations for future development of the Waterside Health Index	Journal of Japan Society on Water Environmen Vol.046 No.02 Common name.0496
	Effect of direct seeding on rice paddy fields on reducing water pollution load	Journal of the Japanese Society of Irrigation, Drainage and Rural Engineering. Vol.091 No.12 Common name.0865
	ICOLD2023 91st Annual Meeting Symposium Report S6-B Climate and Environmental Adaptation Climate & Environment Adaption	Large dam Vol.066 No.- Common name.0265
	Case study of earthquake resistance evaluation method for existing buried pipelines	The 33rd Technical Research Presentation Meeting of the Association Of Water And Sewage Works Consultants Japan
	Examples of drone use in jurisdictional surveys	The 33rd Technical Research Presentation Meeting of the Association Of Water And Sewage Works Consultants Japan
	Consideration on effective placement of topsoil in sediment return	FY2022 the 77th Annual Conference of the Japan Society of Civil Engineers
	Development of a real-time prediction method for raw water turbidity using data assimilation	Journal of Japan Water Works Association Vol.092 No.04 Common name.1063
	Citizens' willingness to pay for sewage virus information related to COVID-19	The 60th Environmental Engineering Research Forum of the Japan Society of Civil Engineers
	Impact of predicted number of COVID-19 infections as sewage virus information on changes in outing behavior	The 60th Environmental Engineering Research Forum of the Japan Society of Civil Engineers
	Consideration of the positioning of planning areas and water supply and sewerage systems in the Basic Plan for Water Cycle	Proceedings of JSCE Vol.079 No.26 Common name.
	Varification of blue-green algae suppressing effect by reinforcing the shallow circulation facilities in Miharu dam reservoir	2023 ICOLD 91th Annual Meeting and Symposium
	Greenhouse gas reduction of co-benefits type wastewater treatment system for the fish-processing industry: a real-scale case study in Indonesia	Water Science and Engineering 2023(Vol.16)
	Evaluation of treatment performance of advanced treatment-compatible continuous inflow batch-type activated sludge process	Journal of Japan Sewage Works Association Vol.060 No.- Common name.0727