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Social Media Inundation Data: Urban Flood Impacts and Response Assessment of 2020 Chengdu Rainstorm <i>Kaihua Guo and Mingfu Guan</i>	1831
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Pressure Sensors Placement Using Graph Signal Processing and Sampling Theory <i>Daniel Bezerra Barros, Carlo Giaducianni, Manuel Herrera, Armando Di Nardo, and Bruno Brentan</i>	1913
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3.5. Restoration of water systems in a changing climate

Impact of Climate Change on Cold-Water Fish Species. Application in the Júcar River Basin District <i>Clara Estrela-Segrelles, Cristina Mocholi-Paredes, and Miguel Ángel Pérez-Martín</i>	1943
Modeling the Hydrodynamics of a Wetland Subjected to Strong Urban and Agricultural Pressures (Torbiera Del Sebino, Italy) <i>Volpini Stella, Marco Pilotti, and Giulia Valerio</i>	1949
Evaluation of the Habitat Preferences of Submerged Macrophytes Under Various Environmental Stresses: A Modeling Perspective <i>Takashi Asaeda, Harun Rashid, and Lekkala Vamsi-Krishna</i>	1958
Adaptive Hydro-climatic Analysis for Restoration of a Bio-diversity Hot Spot Ungauged River System of Manipur Ihr, India <i>Ngangbam Romeji, Mukesh Kumar Yadav, Gunadas Singh Keisam, Jayalaxmi Ngasepam, and Khuraijam Susilchandra</i>	1965
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3.6. Desalination and water treatment

CFD Numerical Simulation of Submerged Dense Jets in Cross-flows <i>Mostafa Taherian, Seyed Ahmad Reza Saeidi Hosseini, and Abdolmajid Mohammadian</i>	1981
Results of a Full-Scale Model of a Macrophyte Wastewater Treatment Plant <i>Oscar Ruiz Lozano, Alejandro Acero Oliete, Pedro López Julián, and Beniamino Russo</i>	1989
Can High Hydrodynamic Stresses Contribute to E. coli Inactivation? Experimental Evidences from Laminar and Turbulent Flows <i>Davide Vettori, Roberta Davello, Riccardo Vesipa, Costantino Manes, and Luca Ridolfi</i>	1994
National-scale Management and Protection of Desalination Plant Water Supplies <i>Matthew John Wood and Graham Siggers</i>	2001
Monitoring and Control of Waste Water Discharges in Real Time <i>Orejudo Prieto de los Mozos and María Emma</i>	2006

3.7. Advanced treatment processes for wastewaters

Effect of the Pharmaceuticals (Diclofenac, Ibuprofen And Erythromycin) on the Heterotrophic Biomass of a Membrane Bioreactor in Urban Wastewater Treatment <i>Laura Antiñolo Bermúdez, Jaime Martín Pascual, María del Mar Muñio Martínez, and Jose Manuel Poyatos Capilla</i>	2015
Technical Assessment of Natural-Based and Advanced Technologies for the Removal of Micropollutants from Municipal Wastewater in a Real Scenario <i>Irene Salmerón, Silvia Venditti, and Joachim Hansen</i>	2019
Solar Processes For Urban Wastewater Purification: A Comparative Disinfection And Decontamination Study At Pilot Plant Scale In A Compound Parabolic Collector (CPC) Reactor <i>María Jesús Abeledo-Lameiro, Alba Hernández-Zanoletty, Samira Nahim-Granados, María Inmaculada Polo-López, Isabel Oller, and Sixto Malato</i>	2025
Assessment of New Immobilized Photocatalysts for Wastewater Disinfection and Decontamination <i>Alba Hernández-Zanoletty, Isabel Oller, Inmaculada Polo-López, Sixto Malato, Ana Ruiz-Delgado, Samira Nahim-Granados, Jenny Flores, Oscar Cabezuelo, María Luisa Marín, and Francisco Boscá.</i>	2031
A Physical Model Study of the North Shore Wastewater Treatment Plant Pumping Station <i>James Li and Maryam Shahab</i>	2037
Treatment of Wastewater Effluent Using Photo-Fenton Combined with Granular Activated Carbon Enhancing Microcontaminants Removal <i>P. Núñez-Tafalla, I. Salmerón, S. Venditti, and J. Hansen</i>	2041

3.8. Water recycling and reuse

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An Innovative Reclaimed Water Treatment for the Valorization of Nutrients and Salts <i>Mateo Pastur Romay, Óscar Arumí Arderiu, Adriana Romero, Eva Mena, Benoît Lefevre, Jose Luis Cortina, Julio López, Celia Castro-Barros, and Joana Tobella</i>	2060

Corrosion Risk Assessment Methodology by Desalinated Water Supply in Drinking Water Networks 2064
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3.9. Industrial flows

Numerical Modelling of Pump Intakes: Compliance with Standard Performance Criteria 2071
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Prediction of Effective Forchheimer Coefficient for One- and Two-Dimensional Flows in Heterogeneous Geologic Media 2081
Farhad Zeighami, Alessandro Lenci, and Vittorio Di Federico

4. Hydraulic structures

4.1. Hydro-environment historical structures: management and restoration

Restoration of a Small Hydropower Plant: How to Efficiently Fulfill Biological Requirements with Proper Power Production 2090
Murray Konzang, Elena Carcano, and Mirzi Betasolo

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