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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Managed aquifer recharge: rediscovering nature as a leading edge technology. <i>Water Science and Technology</i> , 2010, 62, 2338-2345.	1.2	86
2	A review on microbial contaminants in stormwater runoff and outfalls: Potential health risks and mitigation strategies. <i>Science of the Total Environment</i> , 2019, 692, 1304-1321.	3.9	85
3	The validation of stormwater biofilters for micropollutant removal using in situ challenge tests. <i>Ecological Engineering</i> , 2014, 67, 1-10.	1.6	83
4	Use of static Quantitative Microbial Risk Assessment to determine pathogen risks in an unconfined carbonate aquifer used for Managed Aquifer Recharge. <i>Water Research</i> , 2010, 44, 1038-1049.	5.3	82
5	An explanation for differences in the process of colloid adsorption in batch and column studies. <i>Journal of Contaminant Hydrology</i> , 2014, 164, 219-229.	1.6	76
6	Managed Aquifer Recharge (MAR) in Sustainable Urban Water Management. <i>Water (Switzerland)</i> , 2018, 10, 239.	1.2	73
7	Transport and retention of bacteria and viruses in biochar-amended sand. <i>Science of the Total Environment</i> , 2016, 548-549, 100-109.	3.9	72
8	Water reuse and recycling in Australia – history, current situation and future perspectives. <i>Water Cycle</i> , 2020, 1, 19-40.	2.1	69
9	A comparison of the geochemical response to different managed aquifer recharge operations for injection of urban stormwater in a carbonate aquifer. <i>Applied Geochemistry</i> , 2010, 25, 1350-1360.	1.4	61
10	Risk Assessment of Aquifer Storage Transfer and Recovery with Urban Stormwater for Producing Water of a Potable Quality. <i>Journal of Environmental Quality</i> , 2010, 39, 2029-2039.	1.0	53
11	Valuing the subsurface pathogen treatment barrier in water recycling via aquifers for drinking supplies. <i>Water Research</i> , 2010, 44, 1841-1852.	5.3	51
12	Pathogen Decay during Managed Aquifer Recharge at Four Sites with Different Geochemical Characteristics and Recharge Water Sources. <i>Journal of Environmental Quality</i> , 2015, 44, 1402-1412.	1.0	45
13	A critical evaluation of combined engineered and aquifer treatment systems in water recycling. <i>Water Science and Technology</i> , 2008, 57, 753-762.	1.2	44
14	Quantifying the effect of Managed Aquifer Recharge on the microbiological human health risks of irrigating crops with recycled water. <i>Agricultural Water Management</i> , 2011, 99, 93-102.	2.4	41
15	Determining treatment requirements for turbid river water to avoid clogging of aquifer storage and recovery wells in siliceous alluvium. <i>Water Research</i> , 2014, 66, 99-110.	5.3	40
16	Application of a probabilistic modelling approach for evaluation of nitrogen, phosphorus and organic carbon removal efficiency during four successive cycles of aquifer storage and recovery (ASR) in an anoxic carbonate aquifer. <i>Water Research</i> , 2013, 47, 2177-2189.	5.3	39
17	Environmental monitoring of selected pesticides and organic chemicals in urban stormwater recycling systems using passive sampling techniques. <i>Journal of Contaminant Hydrology</i> , 2014, 158, 65-77.	1.6	39
18	Water quality requirements for sustaining aquifer storage and recovery operations in a low permeability fractured rock aquifer. <i>Journal of Environmental Management</i> , 2011, 92, 2410-2418.	3.8	38

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19	Biodegradation of pharmaceuticals and endocrine disruptors with oxygen, nitrate, manganese (IV), iron (III) and sulfate as electron acceptors. <i>Journal of Contaminant Hydrology</i> , 2017, 203, 62-69.	1.6	38
20	Pathogen inactivation during passage of stormwater through a constructed reedbed and aquifer transfer, storage and recovery. <i>Water Science and Technology</i> , 2010, 62, 1190-1197.	1.2	36
21	Quantification of herbicide removal in a constructed wetland using passive samplers and composite water quality monitoring. <i>Chemosphere</i> , 2010, 81, 394-399.	4.2	33
22	Urban transformation stories for the 21st century: Insights from strategic conversations. <i>Global Environmental Change</i> , 2018, 50, 222-237.	3.6	30
23	Effect of alum treatment on the trihalomethane formation and bacterial regrowth potential of natural and synthetic waters. <i>Water Research</i> , 2002, 36, 4884-4892.	5.3	29
24	Water Recycling via Aquifers for Sustainable Urban Water Quality Management: Current Status, Challenges and Opportunities. <i>Water (Switzerland)</i> , 2018, 10, 457.	1.2	28
25	Pyrolysis characterisation of plant, humus and soil extracts from Australian catchments. <i>Journal of Analytical and Applied Pyrolysis</i> , 2002, 65, 269-285.	2.6	26
26	Characterising aquifer treatment for pathogens in managed aquifer recharge. <i>Water Science and Technology</i> , 2010, 62, 2009-2015.	1.2	26
27	Application of risk-based assessment and management to riverbank filtration sites in India. <i>Journal of Water and Health</i> , 2015, 13, 174-189.	1.1	26
28	Factors affecting the performance and risks to human health of on-site wastewater treatment systems. <i>Water Science and Technology</i> , 2010, 62, 1499-1509.	1.2	25
29	Biodegradation of Simazine and Diuron Herbicides under Aerobic and Anoxic Conditions Relevant to Managed Aquifer Recharge of Storm Water. <i>Clean - Soil, Air, Water</i> , 2014, 42, 745-752.	0.7	25
30	Surrogates for herbicide removal in stormwater biofilters. <i>Water Research</i> , 2015, 81, 64-71.	5.3	23
31	Risks of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) for Sustainable Water Recycling via Aquifers. <i>Water (Switzerland)</i> , 2019, 11, 1737.	1.2	23
32	Analysis of ASR Clogging Investigations at Three Australian ASR Sites in a Bayesian Context. <i>Water (Switzerland)</i> , 2016, 8, 442.	1.2	22
33	Effect of aquifer storage and recovery (ASR) on recovered stormwater quality variability. <i>Water Research</i> , 2017, 117, 1-8.	5.3	21
34	Stormwater Quality Review to Evaluate Treatment for Drinking Water Supply via Managed Aquifer Recharge. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	20
35	Fifty years of water sensitive urban design, Salisbury, South Australia. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	20
36	Unraveling the complexities of the velocity dependency of E. coli retention and release parameters in saturated porous media. <i>Science of the Total Environment</i> , 2017, 603-604, 406-415.	3.9	19

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37	Microbiological risks of recycling urban stormwater via aquifers for various uses in Adelaide, Australia. <i>Environmental Earth Sciences</i> , 2015, 73, 7733-7737.	1.3	18
38	Prevalence of antibiotic resistance and virulence genes in the biofilms from an aquifer recharged with stormwater. <i>Water Research</i> , 2020, 185, 116269.	5.3	18
39	Tracing terrestrial compounds leaching from two reservoir catchments as input to dissolved organic matter. <i>Marine and Freshwater Research</i> , 2001, 52, 223.	0.7	17
40	Lessons from 10 Years of Experience with Australia's Risk-Based Guidelines for Managed Aquifer Recharge. <i>Water (Switzerland)</i> , 2020, 12, 537.	1.2	17
41	Application of pyrolysis-gas chromatography/mass spectrometry for characterisation of dissolved organic matter before and after alum treatment. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 67, 247-262.	2.6	16
42	Microbial community structure of a slow sand filter schmutzdecke: a phylogenetic snapshot based on rRNA sequence analysis. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 426-436.	1.0	16
43	E. coli and turbidity attenuation during urban stormwater recycling via Aquifer Storage and Recovery in a brackish limestone aquifer. <i>Ecological Engineering</i> , 2015, 84, 427-434.	1.6	16
44	The Potential for Water Banking in Australia's Murray-Darling Basin to Increase Drought Resilience. <i>Water (Switzerland)</i> , 2020, 12, 2936.	1.2	16
45	Characterisation of organic matter in sediment from Corin Reservoir, Australia. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 70, 169-183.	2.6	14
46	Assessment of E. coli Attenuation during Infiltration of Treated Wastewater: A Pathway to Future Managed Aquifer Recharge. <i>Water (Switzerland)</i> , 2020, 12, 173.	1.2	14
47	Recovery of injected freshwater to differentiate fracture flow in a low-permeability brackish aquifer. <i>Journal of Hydrology</i> , 2011, 409, 273-282.	2.3	13
48	Assessing environmental risks of laundry detergents in greywater used for irrigation. <i>Journal of Water Reuse and Desalination</i> , 2011, 1, 61-77.	1.2	12
49	A systematic approach to determine herbicide removals in constructed wetlands using time integrated passive samplers. <i>Journal of Water Reuse and Desalination</i> , 2011, 1, 11-17.	1.2	12
50	Application of a fractionation technique for better understanding of the removal of natural organic matter by alum coagulation. <i>Water Science and Technology: Water Supply</i> , 2002, 2, 427-433.	1.0	12
51	A new method to evaluate polydisperse kaolinite clay particle removal in roughing filtration using colloid filtration theory. <i>Water Research</i> , 2008, 42, 669-676.	5.3	11
52	Rich microbial communities inhabit water treatment biofilters and are differentially affected by filter type and sampling depth. <i>Water Science and Technology: Water Supply</i> , 2010, 10, 145-156.	1.0	11
53	Application of a risk management framework to a drinking water supply augmented by stormwater recharge. <i>Water Science and Technology</i> , 2011, 63, 719-726.	1.2	11
54	Microbiological risks of recycling urban stormwater via aquifers. <i>Water Science and Technology</i> , 2012, 65, 1692-1695.	1.2	11

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55	Managed Aquifer Recharge as a Strategic Storage and Urban Water Management Tool in Darwin, Northern Territory, Australia. <i>Water (Switzerland)</i> , 2019, 11, 1869.	1.2	11
56	Setting Water Quality Trigger Levels for the Operation and Management of a MAR System in Parafield, South Australia. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	10
57	Roof Runoff Replenishment of Groundwater in Jinan, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	10
58	Stormwater biofilters: A new validation modelling tool. <i>Ecological Engineering</i> , 2016, 87, 53-61.	1.6	10
59	Nutrient Transformation and Removal from Treated Wastewater Recycled Via Aquifer Storage and Recovery (ASR) in a Carbonate Aquifer. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	10
60	Assessing the costs of Managed Aquifer Recharge options to support agricultural development. <i>Agricultural Water Management</i> , 2022, 263, 107437.	2.4	10
61	Yield stresses and sedimentation in dense flyash slurries. <i>Powder Technology</i> , 1992, 72, 167-175.	2.1	9
62	Methodologies for Pre-Validation of Biofilters and Wetlands for Stormwater Treatment. <i>PLoS ONE</i> , 2015, 10, e0125979.	1.1	9
63	Assessment of treatment options of recycling urban stormwater recycling via aquifers to produce drinking water quality. <i>Urban Water Journal</i> , 2016, 13, 657-662.	1.0	9
64	Validation of stormwater biofilters using in-situ columns. <i>Science of the Total Environment</i> , 2016, 544, 48-55.	3.9	8
65	Microbial risk reduction of withholding periods during public open space irrigation with recycled water. <i>Urban Water Journal</i> , 2015, 12, 581-587.	1.0	7
66	Probabilistic Approach to Evaluation of Metal(loid) Fate During Stormwater Aquifer Storage and Recovery. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1672-1684.	0.7	7
67	Nutrient Removal during Stormwater Aquifer Storage and Recovery in an Anoxic Carbonate Aquifer. <i>Journal of Environmental Quality</i> , 2018, 47, 276-286.	1.0	6
68	Progress in the development of risk-based guidelines to support managed aquifer recharge for agriculture in Chile. <i>Water Cycle</i> , 2020, 1, 136-145.	2.1	6
69	Reference pathogen numbers in urban stormwater for drinking water risk assessment. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 30-39.	1.2	5
70	Can we use a simple modelling tool to validate stormwater biofilters for herbicides treatment?. <i>Urban Water Journal</i> , 2019, 16, 412-420.	1.0	5
71	Determination of attenuation rates of recycled water disinfection byâ€products in a natural reservoir system using a laboratoryâ€based approach. <i>Water and Environment Journal</i> , 2014, 28, 358-364.	1.0	4
72	Human health risks of untreated groundwater third pipe supplies for non-potable domestic applications. <i>Urban Water Journal</i> , 2014, 11, 461-466.	1.0	4

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73	Evaluating Treatment Requirements for Recycled Water to Manage Well Clogging during Aquifer Storage and Recovery: A Case Study in the Werribee Formation, Australia. <i>Water (Switzerland)</i> , 2020, 12, 2575.	1.2	2
74	Australian exemplars of sustainable and economic managed aquifer recharge. <i>Water E-Journal</i> , 2021, 5, 1-19.	0.2	2
75	Stormwater Runoff Modelling in an Urban Catchment to Plan Risk Management for Contaminant Spills for Stormwater Harvesting. <i>Water (Switzerland)</i> , 2021, 13, 2865.	1.2	1
76	Quantitative microbial risk assessment (QMRA) for water re-use via aquifers. <i>Microbiology Australia</i> , 2009, 30, 20.	0.1	0