

Christopher W K Chow

List of Publications by Year in descending order

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169
papers

11,425
citations

50244

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104
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all docs

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docs citations

172
times ranked

12184
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in photocatalytic water treatment technology: A review. <i>Water Research</i> , 2010, 44, 2997-3027.	5.3	4,343
2	Kinetic study and equilibrium isotherm analysis of Congo Red adsorption by clay materials. <i>Chemical Engineering Journal</i> , 2009, 148, 354-364.	6.6	784
3	Adsorption of congo red by three Australian kaolins. <i>Applied Clay Science</i> , 2009, 43, 465-472.	2.6	243
4	Mechanism of natural organic matter removal by polyaluminum chloride: Effect of coagulant particle size and hydrolysis kinetics. <i>Water Research</i> , 2008, 42, 3361-3370.	5.3	220
5	The impact of conventional water treatment processes on cells of the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 1999, 33, 3253-3262.	5.3	211
6	Removing ammonium from water and wastewater using cost-effective adsorbents: A review. <i>Journal of Environmental Sciences</i> , 2018, 63, 174-197.	3.2	205
7	Comparison of NOM character in selected Australian and Norwegian drinking waters. <i>Water Research</i> , 2008, 42, 4188-4196.	5.3	202
8	Effect of dye structure on color removal efficiency by coagulation. <i>Chemical Engineering Journal</i> , 2021, 405, 126674.	6.6	177
9	Use of artificial neural networks for predicting optimal alum doses and treated water quality parameters. <i>Environmental Modelling and Software</i> , 2004, 19, 485-494.	1.9	163
10	Absorbance spectroscopy-based examination of effects of coagulation on the reactivity of fractions of natural organic matter with varying apparent molecular weights. <i>Water Research</i> , 2009, 43, 1541-1548.	5.3	159
11	Assessing Natural Organic Matter Treatability Using High Performance Size Exclusion Chromatography. <i>Environmental Science & Technology</i> , 2008, 42, 6683-6689.	4.6	158
12	Relative importance of hydrolyzed Al(III) species (Ala, Alb, and Alc) during coagulation with polyaluminum chloride: A case study with the typical micro-polluted source waters. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 482-489.	5.0	143
13	Enhanced coagulation for high alkalinity and micro-polluted water: The third way through coagulant optimization. <i>Water Research</i> , 2008, 42, 2278-2286.	5.3	141
14	Pre-treatments to reduce fouling of low pressure micro-filtration (MF) membranes. <i>Journal of Membrane Science</i> , 2007, 289, 231-240.	4.1	138
15	Removal of humic acid using TiO ₂ photocatalytic process – Fractionation and molecular weight characterisation studies. <i>Chemosphere</i> , 2008, 72, 263-271.	4.2	132
16	Using Coagulation, Flocculation, and Settling to Remove Toxic cyanobacteria. <i>Journal - American Water Works Association</i> , 2001, 93, 100-111.	0.2	129
17	Optimisation of an annular photoreactor process for degradation of Congo Red using a newly synthesized titania impregnated kaolinite nano-photocatalyst. <i>Separation and Purification Technology</i> , 2009, 67, 355-363.	3.9	116
18	Synthesis and characterisation of novel titania impregnated kaolinite nano-photocatalyst. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 233-242.	2.2	109

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19	TiO ₂ Photocatalysis of Natural Organic Matter in Surface Water: Impact on Trihalomethane and Haloacetic Acid Formation Potential. <i>Environmental Science & Technology</i> , 2008, 42, 6218-6223.	4.6	108
20	An improvement of symbolic aggregate approximation distance measure for time series. <i>Neurocomputing</i> , 2014, 138, 189-198.	3.5	108
21	Optimised coagulation using aluminium sulfate for the removal of dissolved organic carbon. <i>Desalination</i> , 2009, 245, 120-134.	4.0	105
22	A rapid fractionation technique to characterise natural organic matter for the optimisation of water treatment processes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2004, 53, 85-92.	0.6	99
23	Removal of organic contaminants from river and reservoir waters by three different aluminum-based metal salts: Coagulation adsorption and kinetics studies. <i>Chemical Engineering Journal</i> , 2013, 225, 394-405.	6.6	93
24	The impact of recalcitrant organic character on disinfection stability, trihalomethane formation and bacterial regrowth: An evaluation of magnetic ion exchange resin (MIEX [®]) and alum coagulation. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2003, 52, 475-487.	0.6	89
25	An adsorption-photocatalysis hybrid process using multi-functional-nanoporous materials for wastewater reclamation. <i>Water Research</i> , 2010, 44, 5385-5397.	5.3	85
26	Characterization of floc structure and strength: Role of changing shear rates under various coagulation mechanisms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 379, 36-42.	2.3	85
27	Understanding the impact of chemical conditioning with inorganic polymer flocculants on soluble extracellular polymeric substances in relation to the sludge dewaterability. <i>Separation and Purification Technology</i> , 2014, 132, 430-437.	3.9	79
28	Insight into removal kinetic and mechanisms of anionic dye by calcined clay materials and lime. <i>Journal of Hazardous Materials</i> , 2010, 177, 420-427.	6.5	76
29	Preparation and characterisation of new-polyaluminum chloride-chitosan composite coagulant. <i>Water Research</i> , 2012, 46, 4614-4620.	5.3	76
30	THE EFFECT OF FERRIC CHLORIDE FLOCCULATION ON CYANOBACTERIAL CELLS. <i>Water Research</i> , 1998, 32, 808-814.	5.3	75
31	Removal of cyanobacterial metabolites by nanofiltration from two treated waters. <i>Journal of Hazardous Materials</i> , 2011, 188, 288-295.	6.5	70
32	Multi-wavelength spectroscopic and chromatography study on the photocatalytic oxidation of natural organic matter. <i>Water Research</i> , 2010, 44, 2525-2532.	5.3	68
33	A coagulation-powdered activated carbon-ultrafiltration Multiple barrier approach for removing toxins from two Australian cyanobacterial blooms. <i>Journal of Hazardous Materials</i> , 2011, 186, 1553-1559.	6.5	68
34	Enhancing removal efficiency of anionic dye by combination and calcination of clay materials and calcium hydroxide. <i>Journal of Hazardous Materials</i> , 2009, 171, 941-947.	6.5	66
35	Application of H-titanate nanofibers for degradation of Congo Red in an annular slurry photoreactor. <i>Chemical Engineering Journal</i> , 2009, 150, 49-54.	6.6	64
36	Comparison of photocatalytic degradation of natural organic matter in two Australian surface waters using multiple analytical techniques. <i>Organic Geochemistry</i> , 2010, 41, 124-129.	0.9	64

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37	Comparison of the coagulation performance of tetravalent titanium and zirconium salts with alum. <i>Chemical Engineering Journal</i> , 2014, 254, 635-646.	6.6	62
38	Using causal discovery for feature selection in multivariate numerical time series. <i>Machine Learning</i> , 2015, 101, 377-395.	3.4	62
39	Application of advanced characterization techniques to assess DOM treatability of micro-polluted and un-polluted drinking source waters in China. <i>Chemosphere</i> , 2010, 81, 39-45.	4.2	61
40	Influence of floc structure on coagulation–microfiltration performance: Effect of Al speciation characteristics of PACls. <i>Separation and Purification Technology</i> , 2010, 72, 22-27.	3.9	59
41	Utilization of drinking water treatment sludge in concrete paving blocks: Microstructural analysis, durability and leaching properties. <i>Journal of Environmental Management</i> , 2020, 262, 110352.	3.8	59
42	A Study on the Removal of Humic Acid Using Advanced Oxidation Processes. <i>Separation Science and Technology</i> , 2007, 42, 1391-1404.	1.3	57
43	Coagulation of dissolved organic matter in surface water by novel titanium (III) chloride: Mechanistic surface chemical and spectroscopic characterisation. <i>Separation and Purification Technology</i> , 2019, 213, 213-223.	3.9	52
44	Properties and microstructure of concrete blocks incorporating drinking water treatment sludge exposed to early-age carbonation curing. <i>Journal of Cleaner Production</i> , 2020, 261, 121257.	4.6	52
45	Effects of pH on the speciation coefficients in models of bromide influence on the formation of trihalomethanes and haloacetic acids. <i>Water Research</i> , 2014, 62, 117-126.	5.3	51
46	Characterizing DOM and removal by enhanced coagulation: A survey with typical Chinese source waters. <i>Separation and Purification Technology</i> , 2013, 110, 188-195.	3.9	49
47	The impact of the character of natural organic matter in conventional treatment with alum. <i>Water Science and Technology</i> , 1999, 40, 97.	1.2	44
48	A new approach to optimise an annular slurry photoreactor system for the degradation of Congo Red: Statistical analysis and modelling. <i>Chemical Engineering Journal</i> , 2009, 152, 158-166.	6.6	44
49	Evaluation of chitosan as a natural coagulant for drinking water treatment. <i>Water Science and Technology</i> , 2010, 61, 2119-2128.	1.2	42
50	Recycling drinking water treatment sludge into eco-concrete blocks with CO ₂ curing: Durability and leachability. <i>Science of the Total Environment</i> , 2020, 746, 141182.	3.9	42
51	Removal of DBP precursors in micro-polluted source waters: A comparative study on the enhanced coagulation behavior. <i>Separation and Purification Technology</i> , 2013, 118, 271-278.	3.9	37
52	The potential use of drinking water sludge ash as supplementary cementitious material in the manufacture of concrete blocks. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105291.	5.3	36
53	pH modeling for maximum dissolved organic matter removal by enhanced coagulation. <i>Journal of Environmental Sciences</i> , 2012, 24, 276-283.	3.2	34
54	Influence of coagulation mechanisms and floc formation on filterability. <i>Journal of Environmental Sciences</i> , 2017, 57, 338-345.	3.2	34

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55	Cementitious composites containing alum sludge ash: An investigation of microstructural features by an advanced nanoindentation technology. <i>Construction and Building Materials</i> , 2021, 299, 124286.	3.2	33
56	Determination of copper in natural waters by batch and oscillating flow injection stripping potentiometry. <i>Analytica Chimica Acta</i> , 1996, 330, 79-87.	2.6	31
57	Understanding effects of water characteristics on natural organic matter treatability by PACl and a novel PACl-chitosan coagulants. <i>Journal of Hazardous Materials</i> , 2013, 263, 718-725.	6.5	31
58	Electrochemical detection of N- ϵ -nitrosodimethylamine using a molecular imprinted polymer. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 613-620.	4.0	30
59	Applications of Online UV-Vis Spectrophotometer for Drinking Water Quality Monitoring and Process Control: A Review. <i>Sensors</i> , 2022, 22, 2987.	2.1	29
60	Nanofiltration for the removal of algal metabolites and the effects of fouling. <i>Water Science and Technology</i> , 2010, 61, 1189-1199.	1.2	28
61	Hydrolyzed Al(III) clusters: Speciation stability of nano-Al ₁₃ . <i>Journal of Environmental Sciences</i> , 2011, 23, 705-710.	3.2	28
62	Characterization of dissolved organic matter for prediction of trihalomethane formation potential in surface and sub-surface waters. <i>Journal of Hazardous Materials</i> , 2016, 308, 430-439.	6.5	28
63	Roles of coagulant species and mechanisms on floc characteristics and filterability. <i>Chemosphere</i> , 2016, 150, 211-218.	4.2	28
64	Coagulation assessment and optimisation with a photometric dispersion analyser and organic characterisation for natural organic matter removal performance. <i>Chemical Engineering Journal</i> , 2011, 168, 629-634.	6.6	24
65	Prediction of DOM removal of low specific UV absorbance surface waters using HPSEC combined with peak fitting. <i>Journal of Environmental Sciences</i> , 2012, 24, 1174-1180.	3.2	24
66	Changes in the quality of river water before, during and after a major flood event associated with a La Niña cycle and treatment for drinking purposes. <i>Journal of Environmental Sciences</i> , 2014, 26, 1985-1993.	3.2	24
67	Seasonal variation in the nature of DOM in a river and drinking water reservoir of a closed catchment. <i>Environmental Pollution</i> , 2017, 220, 788-796.	3.7	24
68	Alternative particle compensation techniques for online water quality monitoring using UV-Vis spectrophotometer. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 204, 104074.	1.8	24
69	Effect of alum sludge ash on the high-temperature resistance of mortar. <i>Resources, Conservation and Recycling</i> , 2022, 176, 105958.	5.3	24
70	Development of smart data analytics tools to support wastewater treatment plant operation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 177, 140-150.	1.8	22
71	Disinfection options for irrigation water: Reducing the risk of fresh produce contamination with human pathogens. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 2144-2174.	6.6	22
72	Strain hardening behaviour of PE fibre reinforced calcium aluminate cement (CAC) - Ground granulated blast furnace (GGBFS) blended mortar. <i>Construction and Building Materials</i> , 2020, 241, 118100.	3.2	22

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73	An improved method for detecting electrophoretic mobility of algae during the destabilisation process of flocculation: flocculant demand of different species and the impact of DOC. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2000, 49, 89-101.	0.6	21
74	Effect of polyaluminum chloride on enhanced softening for the typical organic-polluted high hardness North-China surface waters. <i>Separation and Purification Technology</i> , 2008, 62, 401-406.	3.9	20
75	Integrated membrane systems incorporating coagulation, activated carbon and ultrafiltration for the removal of toxic cyanobacterial metabolites from <i>Anabaena circinalis</i> . <i>Water Science and Technology</i> , 2011, 63, 1405-1411.	1.2	20
76	Formation of disinfection byproducts in typical Chinese drinking water. <i>Journal of Environmental Sciences</i> , 2011, 23, 897-903.	3.2	20
77	Characterization of organic matter in alum treated drinking water using high performance liquid chromatography and resin fractionation. <i>Chemical Engineering Journal</i> , 2012, 192, 186-191.	6.6	20
78	Development of an on-line electrochemical analyser for trace level aluminium. <i>Analytica Chimica Acta</i> , 2003, 499, 173-181.	2.6	19
79	An intelligent sensor system for the determination of ammonia using flow injection analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1997, 33, 17-27.	0.2	18
80	Tracking changes in organic matter during nitrification using fluorescence excitation-emission matrix spectroscopy coupled with parallel factor analysis (FEEM/PARAFAC). <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1522-1528.	3.3	18
81	A case study of treatment performance and organic character. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2005, 54, 385-395.	0.6	18
82	High-performance size exclusion chromatography with a multi-wavelength absorbance detector study on dissolved organic matter characterisation along a water distribution system. <i>Journal of Environmental Sciences</i> , 2016, 44, 235-243.	3.2	17
83	Characterisation of dissolved organic matter in stormwater using high-performance size exclusion chromatography. <i>Journal of Environmental Sciences</i> , 2016, 42, 236-245.	3.2	17
84	Electrochemical fingerprints of brominated trihaloacetic acids (HAA3) mixtures in water. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 70-77.	4.0	17
85	The impact of optimised coagulation on membrane fouling for coagulation/ultrafiltration process. <i>Desalination and Water Treatment</i> , 2013, 51, 2718-2725.	1.0	16
86	Developing a chloramine decay index to understand nitrification: A case study of two chloraminated drinking water distribution systems. <i>Journal of Environmental Sciences</i> , 2017, 57, 170-179.	3.2	16
87	Removal of active dyes by ultrafiltration membrane pre-deposited with a PSFM coagulant: Performance and mechanism. <i>Chemosphere</i> , 2019, 223, 204-210.	4.2	16
88	Spectrophotometric Online Detection of Drinking Water Disinfectant: A Machine Learning Approach. <i>Sensors</i> , 2020, 20, 6671.	2.1	16
89	Changes in the organic character of post-coagulated <i>Pinus radiata</i> sulfite pulp mill wastewater under aerated stabilization basin treatment—A laboratory scale study. <i>Chemical Engineering Journal</i> , 2011, 175, 160-168.	6.6	15
90	Colour formation from pre and post-coagulation treatment of <i>Pinus radiata</i> sulfite pulp mill wastewater using nutrient limited aerated stabilisation basins. <i>Separation and Purification Technology</i> , 2013, 114, 1-10.	3.9	15

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91	Organic removal assessment at full-scale treatment facilities using advanced organic characterization tools. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2451-2459.	1.7	15
92	The development and evaluation of a microstill with conductance detection for low level ammonia monitoring in chloraminated water. <i>Talanta</i> , 2019, 200, 256-262.	2.9	15
93	Signal enhancement of potentiometric stripping analysis using digital signal processing. <i>Analytica Chimica Acta</i> , 1995, 307, 15-26.	2.6	14
94	Development of a pilot fluidised bed reactor system with a formulated clay-lime mixture for continuous removal of chemical pollutants from wastewater. <i>Chemical Engineering Journal</i> , 2010, 158, 535-541.	6.6	14
95	Variation in character and treatability of organics in river water: An assessment by HPAC and alum coagulation. <i>Separation and Purification Technology</i> , 2013, 120, 162-171.	3.9	14
96	Empirical mathematical models and artificial neural networks for the determination of alum doses for treatment of southern Australian surface waters. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 1999, 48, 115-127.	0.6	13
97	Review of Nitrification Monitoring and Control Strategies in Drinking Water System. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4003.	1.2	13
98	Determination of Aluminum by Adsorptive Cathodic Stripping Voltammetry with 1,2-Dihydroxyanthraquinone-3-Sulfonic Acid (DASA): Effect of Thin Mercury Film Electrode. <i>Electroanalysis</i> , 2006, 18, 2257-2262.	1.5	12
99	Removal of natural organic matter using self-assembled monolayer technology. <i>Desalination and Water Treatment</i> , 2009, 12, 344-351.	1.0	12
100	Identification and assessment of water quality risks associated with sludge supernatant recycling in the presence of cyanobacteria. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2016, 65, 441-452.	0.6	12
101	Determination of coagulant dosages for process control using online UV-vis spectra of raw water. <i>Journal of Water Process Engineering</i> , 2022, 45, 102526.	2.6	12
102	Assessment of coagulated and non-coagulated ASB performance used to treat <i>Pinus radiata</i> sulfite pulp and paper mill effluent by resin fractionation and HPSEC techniques. <i>Chemical Engineering Journal</i> , 2012, 213, 109-117.	6.6	11
103	Chloramine demand estimation using surrogate chemical and microbiological parameters. <i>Journal of Environmental Sciences</i> , 2017, 57, 1-7.	3.2	11
104	Utilization of Drinking Water Treatment Sludge as Cement Replacement to Mitigate Alkali-Silica Reaction in Cement Composites. <i>Journal of Composites Science</i> , 2020, 4, 171.	1.4	11
105	Durability of Fibre-Reinforced Calcium Aluminate Cement (CAC)-Ground Granulated Blast Furnace Slag (GGBFS) Blended Mortar after Sulfuric Acid Attack. <i>Materials</i> , 2020, 13, 3822.	1.3	11
106	Modelling and Incorporating the Variable Demand Patterns to the Calibration of Water Distribution System Hydraulic Model. <i>Water (Switzerland)</i> , 2021, 13, 2890.	1.2	11
107	Removal of direct dyes by coagulation: Adaptability and mechanism related to the molecular structure. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1850-1862.	1.2	11
108	On-line Microdistillation-based Preconcentration Technique for Ammonia Measurement. <i>Analyst</i> , The, 1997, 122, 1549-1552.	1.7	10

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109	Hybrid Treatment Process of using MIEX and High Performance Composite Coagulant for DOM and Bromide Removal. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 79-85.	0.7	10
110	Impact of zinc on biologically mediated monochloramine decay in waters from a field based pilot scale drinking water distribution system. <i>Chemical Engineering Journal</i> , 2018, 339, 240-248.	6.6	10
111	Relationship between environmental factors and water pipe failure: an open access data study. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	10
112	An integrated strategic and tactical optimization model for forest supply chain planning. <i>Forest Policy and Economics</i> , 2021, 131, 102571.	1.5	10
113	On-Site Monitoring of Total Copper by Anodic Stripping Voltammetry, During Algicide Dosing of a Reservoir. <i>Analytical Letters</i> , 1994, 27, 113-130.	1.0	9
114	Investigation of the adsorption characteristics of natural organic matter from typical Chinese surface waters onto alumina using quartz crystal microbalance with dissipation. <i>Journal of Hazardous Materials</i> , 2012, 215-216, 115-121.	6.5	9
115	The key factors and removal mechanisms of sulfadimethoxazole and oxytetracycline by coagulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16167-16176.	2.7	9
116	Review of chloramine decay models in drinking water system. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 926-948.	1.2	9
117	An application of an expert system to potentiometric stripping analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1995, 31, 77-88.	0.2	8
118	Disinfectant demand prediction using surrogate parameters – a tool to improve disinfection control. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2006, 55, 391-400.	0.6	8
119	On-line free-chlorine/total-chlorine monitors' evaluation – a step towards a correct choice of residual disinfectant monitor. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 181-190.	0.6	8
120	Feed-forward coagulant control using online UV/Vis monitoring. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 420-426.	1.0	8
121	Estimating NDMA Formation in a Distribution System Using a Hybrid Genetic Algorithm. <i>Journal - American Water Works Association</i> , 2017, 109, E265.	0.2	8
122	Effect of tannic acid on the dewaterability of dredged sediment and the conditioning mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104899.	3.3	8
123	Development of an Optical Method to Monitor Nitrification in Drinking Water. <i>Sensors</i> , 2021, 21, 7525.	2.1	8
124	An integrated microdistillation flow injection system for nitrite measurement. <i>Analytica Chimica Acta</i> , 1999, 395, 225-234.	2.6	7
125	Application of a new combined fractionation technique (CFT) to detect fluorophores in size-fractionated hydrophobic acid of DOM as indicators of urban pollution. <i>Science of the Total Environment</i> , 2012, 431, 293-298.	3.9	7
126	Wastewater inflow time series forecasting at low temporal resolution using SARIMA model: a case study in South Australia. <i>Environmental Science and Pollution Research</i> , 2022, 29, 70984-70999.	2.7	7

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127	Changes in character of organics in the receiving environment of effluent from a sulphite pulp mill. Environmental Science and Pollution Research, 2012, 19, 2151-2158.	2.7	6
128	Multistep, microvolume resin fractionation combined with 3D fluorescence spectroscopy for improved DOM characterization and water quality monitoring. Environmental Monitoring and Assessment, 2013, 185, 3233-3241.	1.3	6
129	Treatability of organic matter derived from surface and subsurface waters of drinking water catchments. Chemosphere, 2016, 144, 1193-1200.	4.2	6
130	Oscillating flow injection stripping potentiometry. Analytica Chimica Acta, 1995, 309, 293-299.	2.6	5
131	Signal filtering of potentiometric stripping analysis using Fourier techniques. Analytica Chimica Acta, 1997, 338, 167-178.	2.6	5
132	Assessment of chloramination control strategy based on free-ammonia concentration. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 29-39.	0.6	5
133	The effects of nutrient limitation (nitrogen and phosphorus) on BOD removal from post-coagulated Pinus radiata sulfite pulp and paper mill wastewater in a baffled aerated stabilisation basin—laboratory pilot scale study. Water Science and Technology, 2011, 63, 491-501.	1.2	5
134	Smart Scheduling of Pump Control in Wastewater Networks Based on Electricity Spot Market Prices. Water Conservation Science and Engineering, 2021, 6, 79-94.	0.9	5
135	The potential reuse of drinking water treatment sludge for organics removal and disinfection by-products formation control. Journal of Environmental Chemical Engineering, 2022, 10, 108001.	3.3	5
136	A Neural Network Applied to Sensor Signal Processing: Determination of Copper in Water. Journal of Intelligent Material Systems and Structures, 1992, 3, 418-431.	1.4	4
137	Development and validation of online surrogate parameters for water quality monitoring at a conventional water treatment plant using a UV absorbance spectrolyser. , 2011, , .		4
138	Evaluation of the impact of suspended particles on the UV absorbance at 254 nm (UV254) measurements using a submersible UV-Vis spectrophotometer. Environmental Science and Pollution Research, 2021, 28, 12576-12586.	2.7	4
139	Retrofitting of damaged reinforced concrete pipe with CAC-GGBFS blended strain hardening cementitious composite (SHCC). Thin-Walled Structures, 2022, 176, 109351.	2.7	4
140	A Neural Network Approach to Zinc and Copper Interferences in Potentiometric Stripping Analysis. Journal of Intelligent Material Systems and Structures, 1997, 8, 177-183.	1.4	3
141	Development of an on-line nitrogen monitoring system using Microdistillation Flow Analysis. , 2011, , .		3
142	Characterization of dissolved organic matter from Australian and Chinese source waters by combined fractionation techniques. Water Science and Technology, 2011, 64, 171-177.	1.2	3
143	Comparison of coagulant type on natural organic matter removal using equimolar concentrations. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 210-219.	0.6	3
144	Assessment of a new combined fractionation technique for characterization of the natural organic matter in the coagulation process. Desalination and Water Treatment, 2012, 48, 252-260.	1.0	3

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145	Kinetic modelling approach as a decision support tool for chloraminated distribution systems. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2013, 62, 255-267.	0.6	3
146	Chemometric approaches to data assessment for a long-term case study of MIEX pretreatment performance. <i>Desalination and Water Treatment</i> , 2013, 51, 3639-3649.	1.0	3
147	Modification of jar testing protocol combined with mEnCo model predicted dose to predict dissolved organic matter removal for surface water. <i>Water Science and Technology: Water Supply</i> , 2014, 14, 358-366.	1.0	3
148	Assessment of ozone and UV pre-oxidation processes for mitigating microbiologically accelerated monochloramine decay. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 44-51.	3.3	3
149	An Optimised Energy Saving Model for Pump Scheduling in Wastewater Networks. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 197-208.	0.3	3
150	Compressive behaviour and environmental evaluation of sludge-derived masonry walls. <i>Case Studies in Construction Materials</i> , 2021, 15, e00736.	0.8	3
151	Innovative method of utilising hydrogen peroxide for source water management of cyanobacteria. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22651-22660.	2.7	3
152	Mathematical modelling of potentiometric stripping analysis in mechanically mixed solutions. <i>Analytica Chimica Acta</i> , 1996, 329, 1-14.	2.6	2
153	Mathematical modelling of potentiometric stripping analysis. Chemical stripping in quiet solutions. <i>Analytica Chimica Acta</i> , 1998, 377, 13-19.	2.6	2
154	Indirect Amperometric Detection of Aluminium by Flow Injection Analysis Using DASA as Ligand. <i>Analytical Letters</i> , 2005, 38, 133-147.	1.0	2
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