Christopher W K Chow

List of Publications by Year
in descending order

172	11,425	50276	29157
papers	citations	46 h-index	104 g-index

172	172	172	12184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stormwater monitoring using on-line UV-Vis spectroscopy. Environmental Science and Pollution Research, 2022, 29, 19530-19539.	5.3	1
2	Effect of alum sludge ash on the high-temperature resistance of mortar. Resources, Conservation and Recycling, 2022, 176, 105958.	10.8	24
3	A Metadata Framework for Asset Management Decision Support: A Water Infrastructure Case Study. International Journal of Information Technology and Decision Making, 2022, 21, 517-540.	3.9	2
4	Determination of coagulant dosages for process control using online UV-vis spectra of raw water. Journal of Water Process Engineering, 2022, 45, 102526.	5.6	12
5	Monitoring the health status of water mains using a scorecard modelling approach. Water Science and Technology: Water Supply, 2022, 22, 3114-3124.	2.1	2
6	Review of chloramine decay models in drinking water system. Environmental Science: Water Research and Technology, 2022, 8, 926-948.	2.4	9
7	Review of Nitrification Monitoring and Control Strategies in Drinking Water System. International Journal of Environmental Research and Public Health, 2022, 19, 4003.	2.6	13
8	Prognostic modelling for industrial asset health management. Safety and Reliability, 2022, 41, 45-97.	0.6	1
9	Innovative method of utilising hydrogen peroxide for source water management of cyanobacteria. Environmental Science and Pollution Research, 2022, 29, 22651-22660.	5.3	3
10	Applications of Online UV-Vis Spectrophotometer for Drinking Water Quality Monitoring and Process Control: A Review. Sensors, 2022, 22, 2987.	3.8	29
11	Removal of direct dyes by coagulation: Adaptability and mechanism related to the molecular structure. Korean Journal of Chemical Engineering, 2022, 39, 1850-1862.	2.7	11
12	Retrofitting of damaged reinforced concrete pipe with CAC-GGBFS blended strain hardening cementitious composite (SHCC). Thin-Walled Structures, 2022, 176, 109351.	5.3	4
13	A multi-objective optimization approach for supply chain design of alum sludge-derived supplementary cementitious material. Case Studies in Construction Materials, 2022, 17, e01156.	1.7	1
14	Wastewater inflow time series forecasting at low temporal resolution using SARIMA model: a case study in South Australia. Environmental Science and Pollution Research, 2022, 29, 70984-70999.	5.3	7
15	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.	6.7	5
16	Development and Comparison of Water Quality Network Model and Data Analytics Model for Monochloramine Decay Prediction. Water (Switzerland), 2022, 14, 2021.	2.7	0
17	Comparing the logâ€response curve and adsorption isotherm model for removing dissolved organic matter during La Nina event. Water and Environment Journal, 2021, 35, 133-147.	2.2	2
18	Effect of dye structure on color removal efficiency by coagulation. Chemical Engineering Journal, 2021, 405, 126674.	12.7	177

#	Article	IF	Citations
19	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.	5.3	4
20	The potential use of drinking water sludge ash as supplementary cementitious material in the manufacture of concrete blocks. Resources, Conservation and Recycling, 2021, 168, 105291.	10.8	36
21	Effect of tannic acid on the dewaterability of dredged sediment and the conditioning mechanism. Journal of Environmental Chemical Engineering, 2021, 9, 104899.	6.7	8
22	Smart Scheduling of Pump Control in Wastewater Networks Based on Electricity Spot Market Prices. Water Conservation Science and Engineering, 2021, 6, 79-94.	1.7	5
23	Cementitious composites containing alum sludge ash: An investigation of microstructural features by an advanced nanoindentation technology. Construction and Building Materials, 2021, 299, 124286.	7.2	33
24	An integrated strategic and tactical optimization model for forest supply chain planning. Forest Policy and Economics, 2021, 131, 102571.	3.4	10
25	Modelling and Incorporating the Variable Demand Patterns to the Calibration of Water Distribution System Hydraulic Model. Water (Switzerland), 2021, 13, 2890.	2.7	11
26	Compressive behaviour and environmental evaluation of sludge-derived masonry walls. Case Studies in Construction Materials, 2021, 15, e00736.	1.7	3
27	Feasibility of Using the Hollow Glass Microsphere to Develop Lightweight CAC-GGBFS-Blended Strain-Hardening Cementitious Composites. Frontiers in Materials, 2021, 8, .	2.4	2
28	Development of an Optical Method to Monitor Nitrification in Drinking Water. Sensors, 2021, 21, 7525.	3.8	8
29	Disinfection options for irrigation water: Reducing the risk of fresh produce contamination with human pathogens. Critical Reviews in Environmental Science and Technology, 2020, 50, 2144-2174.	12.8	22
30	Spectrophotometric Online Detection of Drinking Water Disinfectant: A Machine Learning Approach. Sensors, 2020, 20, 6671.	3.8	16
31	Utilization of Drinking Water Treatment Sludge as Cement Replacement to Mitigate Alkaliâ€“Silica Reaction in Cement Composites. Journal of Composites Science, 2020, 4, 171.	3.0	11
32	Recycling drinking water treatment sludge into eco-concrete blocks with CO2 curing: Durability and leachability. Science of the Total Environment, 2020, 746, 141182.	8.0	42
33	Relationship between environmental factors and water pipe failure: an open access data study. SN Applied Sciences, 2020, 2, 1.	2.9	10
34	Durability of Fibre-Reinforced Calcium Aluminate Cement (CAC)â€“Ground Granulated Blast Furnace Slag (GGBFS) Blended Mortar after Sulfuric Acid Attack. Materials, 2020, 13, 3822.	2.9	11
35	Alternative particle compensation techniques for online water quality monitoring using UVâ€“Vis spectrophotometer. Chemometrics and Intelligent Laboratory Systems, 2020, 204, 104074.	3.5	24
36	Utilization of drinking water treatment sludge in concrete paving blocks: Microstructural analysis, durability and leaching properties. Journal of Environmental Management, 2020, 262, 110352.	7.8	59

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37	The key factors and removal mechanisms of sulfadimethoxazole and oxytetracycline by coagulation. Environmental Science and Pollution Research, 2020, 27, 16167-16176.	5.3	9
38	Strain hardening behaviour of PE fibre reinforced calcium aluminate cement (CAC) â€“ Ground granulated blast furnace (GGBFS) blended mortar. Construction and Building Materials, 2020, 241, 118100.	7.2	22
39	Properties and microstructure of concrete blocks incorporating drinking water treatment sludge exposed to early-age carbonation curing. Journal of Cleaner Production, 2020, 261, 121257.	9.3	52
40	The development and evaluation of a microstill with conductance detection for low level ammonia monitoring in chloraminated water. Talanta, 2019, 200, 256-262.	5.5	15
41	Removal of active dyes by ultrafiltration membrane pre-deposited with a PSFM coagulant: Performance and mechanism. Chemosphere, 2019, 223, 204-210.	8.2	16
42	Coagulation of dissolved organic matter in surface water by novel titanium (III) chloride: Mechanistic surface chemical and spectroscopic characterisation. Separation and Purification Technology, 2019, 213, 213-223.	7.9	52
43	An Optimised Energy Saving Model for Pump Scheduling in Wastewater Networks. Lecture Notes in Mechanical Engineering, 2019, , 197-208.	0.4	3
44	Tracking changes in organic matter during nitrification using fluorescence excitationâ€“emission matrix spectroscopy coupled with parallel factor analysis (FEEM/PARAFAC). Journal of Environmental Chemical Engineering, 2018, 6, 1522-1528.	6.7	18
45	Assessment of ozone and UV pre-oxidation processes for mitigating microbiologically accelerated monochloramine decay. Journal of Environmental Chemical Engineering, 2018, 6, 44-51.	6.7	3
46	Impact of zinc on biologically mediated monochloramine decay in waters from a field based pilot scale drinking water distribution system. Chemical Engineering Journal, 2018, 339, 240-248.	12.7	10
47	Development of smart data analytics tools to support wastewater treatment plant operation. Chemometrics and Intelligent Laboratory Systems, 2018, 177, 140-150.	3.5	22
48	Removing ammonium from water and wastewater using cost-effective adsorbents: A review. Journal of Environmental Sciences, 2018, 63, 174-197.	6.1	205
49	Chloramine demand estimation using surrogate chemical and microbiological parameters. Journal of Environmental Sciences, 2017, 57, 1-7.	6.1	11
50	Electrochemical fingerprints of brominated trihaloacetic acids (HAA3) mixtures in water. Sensors and Actuators B: Chemical, 2017, 247, 70-77.	7.8	17
51	Influence of coagulation mechanisms and floc formation on filterability. Journal of Environmental Sciences, 2017, 57, 338-345.	6.1	34
52	Seasonal variation in the nature of DOM in a river and drinking water reservoir of a closed catchment. Environmental Pollution, 2017, 220, 788-796.	7.5	24
53	Developing a chloramine decay index to understand nitrification: A case study of two chloraminated drinking water distribution systems. Journal of Environmental Sciences, 2017, 57, 170-179.	6.1	16
54	Estimating NDMA Formation in a Distribution System Using a Hybrid Genetic Algorithm. Journal - American Water Works Association, 2017, 109, E265.	0.3	8

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55	Electrochemical detection of Nâ€nitrosodimethylamine using a molecular imprinted polymer. Sensors and Actuators B: Chemical, 2016, 237, 613-620.	7.8	30
56	Identification and assessment of water quality risks associated with sludge supernatant recycling in the presence of cyanobacteria. Journal of Water Supply: Research and Technology - AQUA, 2016, 65, 441-452.	1.4	12
57	High-performance size exclusion chromatography with a multi-wavelength absorbance detector study on dissolved organic matter characterisation along a water distribution system. Journal of Environmental Sciences, 2016, 44, 235-243.	6.1	17
58	Characterization of dissolved organic matter for prediction of trihalomethane formation potential in surface and sub-surface waters. Journal of Hazardous Materials, 2016, 308, 430-439.	12.4	28
59	Treatability of organic matter derived from surface and subsurface waters of drinking water catchments. Chemosphere, 2016, 144, 1193-1200.	8.2	6
60	Roles of coagulant species and mechanisms on floc characteristics and filterability. Chemosphere, 2016, 150, 211-218.	8.2	28
61	Characterisation of dissolved organic matter in stormwater using high-performance size exclusion chromatography. Journal of Environmental Sciences, 2016, 42, 236-245.	6.1	17
62	Impact of extracted algogenic organic matter on coagulation performance. Water Science and Technology: Water Supply, 2015, 15, 617-624.	2.1	2
63	Using causal discovery for feature selection in multivariate numerical time series. Machine Learning, 2015, 101, 377-395.	5.4	62
64	Comparison of the coagulation performance of tetravalent titanium and zirconium salts with alum. Chemical Engineering Journal, 2014, 254, 635-646.	12.7	62
65	Organic removal assessment at full-scale treatment facilities using advanced organic characterization tools. Environmental Sciences: Processes and Impacts, 2014, 16, 2451-2459.	3.5	15
66	Changes in the quality of river water before, during and after a major flood event associated with a La NiÃ±a cycle and treatment for drinking purposes. Journal of Environmental Sciences, 2014, 26, 1985-1993.	6.1	24
67	An improvement of symbolic aggregate approximation distance measure for time series. Neurocomputing, 2014, 138, 189-198.	5.9	108
68	Effects of pH on the speciation coefficients in models of bromide influence on the formation of trihalomethanes and haloacetic acids. Water Research, 2014, 62, 117-126.	11.3	51
69	Understanding the impact of chemical conditioning with inorganic polymer flocculants on soluble extracellular polymeric substances in relation to the sludge dewaterability. Separation and Purification Technology, 2014, 132, 430-437.	7.9	79
70	Modification of jar testing protocol combined with mEnCo model predicted dose to predict dissolved organic matter removal for surface water. Water Science and Technology: Water Supply, 2014, 14, 358-366.	2.1	3
71	Characterizing DOM and removal by enhanced coagulation: A survey with typical Chinese source waters. Separation and Purification Technology, 2013, 110, 188-195.	7.9	49
72	Removal of DBP precursors in micro-polluted source waters: A comparative study on the enhanced coagulation behavior. Separation and Purification Technology, 2013, 118, 271-278.	7.9	37

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73	Removal of organic contaminants from river and reservoir waters by three different aluminum-based metal salts: Coagulation adsorption and kinetics studies. Chemical Engineering Journal, 2013, 225, 394-405.	12.7	93
74	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.	2.7	6
75	Understanding effects of water characteristics on natural organic matter treatability by PACl and a novel PACl-chitosan coagulants. Journal of Hazardous Materials, 2013, 263, 718-725.	12.4	31
76	Colour formation from pre and post-coagulation treatment of Pinus radiata sulfite pulp mill wastewater using nutrient limited aerated stabilisation basins. Separation and Purification Technology, 2013, 114, 1-10.	7.9	15
77	Variation in character and treatability of organics in river water: An assessment by HPAC and alum coagulation. Separation and Purification Technology, 2013, 120, 162-171.	7.9	14
78	The impact of optimised coagulation on membrane fouling for coagulation/ultrafiltration process. Desalination and Water Treatment, 2013, 51, 2718-2725.	1.0	16
79	Hybrid Treatment Process of using MIEX and High Performance Composite Coagulant for DOM and Bromide Removal. Journal of Environmental Engineering, ASCE, 2013, 139, 79-85.	1.4	10
80	Kinetic modelling approach as a decision support tool for chloraminated distribution systems. Journal of Water Supply: Research and Technology - AQUA, 2013, 62, 255-267.	1.4	3
81	Chemometric approaches to data assessment for a long-term case study of MIEX pretreatment performance. Desalination and Water Treatment, 2013, 51, 3639-3649.	1.0	3
82	Feed-forward coagulant control using online UV/Vis monitoring. Water Science and Technology: Water Supply, 2013, 13, 420-426.	2.1	8
83	Comparison of coagulant type on natural organic matter removal using equimolar concentrations. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 210-219.	1.4	3
84	Prediction of DOM removal of low specific UV absorbance surface waters using HPSEC combined with peak fitting. Journal of Environmental Sciences, 2012, 24, 1174-1180.	6.1	24
85	Assessment of coagulated and non-coagulated ASB performance used to treat Pinus radiata sulfite pulp and paper mill effluent by resin fractionation and HPSEC techniques. Chemical Engineering Journal, 2012, 213, 109-117.	12.7	11
86	Preparation and characterisation of new-polyaluminum chloride-chitosan composite coagulant. Water Research, 2012, 46, 4614-4620.	11.3	76
87	Using reverse phase high performance liquid chromatography as an alternative to resin fractionation to assess the hydrophobicity of natural organic matter. Water Science and Technology, 2012, 66, 2402-2409.	2.5	1
88	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
89	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.	5.3	6
90	Characterization of organic matter in alum treated drinking water using high performance liquid chromatography and resin fractionation. Chemical Engineering Journal, 2012, 192, 186-191.	12.7	20

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91	pH modeling for maximum dissolved organic matter removal by enhanced coagulation. Journal of Environmental Sciences, 2012, 24, 276-283.	6.1	34
92	Application of a new combined fractionation technique (CFT) to detect fluorophores in size-fractionated hydrophobic acid of DOM as indicators of urban pollution. Science of the Total Environment, 2012, 431, 293-298.	8.0	7
93	Investigation of the adsorption characteristics of natural organic matter from typical Chinese surface waters onto alumina using quartz crystal microbalance with dissipation. Journal of Hazardous Materials, 2012, 215-216, 115-121.	12.4	9
94	Development of an on-line nitrogen monitoring system using Microdistillation Flow Analysis. , 2011, , .		3
95	Development and validation of online surrogate parameters for water quality monitoring at a conventional water treatment plant using a UV absorbance spectrolyser. , 2011, , .		4
96	Integrated membrane systems incorporating coagulation, activated carbon and ultrafiltration for the removal of toxic cyanobacterial metabolites from Anabaena circinalis. Water Science and Technology, 2011, 63, 1405-1411.	2.5	20
97	Hydrolyzed Al(III) clusters: Speciation stability of nano-Al13. Journal of Environmental Sciences, 2011, 23, 705-710.	6.1	28
98	Formation of disinfection byproducts in typical Chinese drinking water. Journal of Environmental Sciences, 2011, 23, 897-903.	6.1	20
99	Changes in the organic character of post-coagulated Pinus radiata sulfite pulp mill wastewater under aerated stabilization basin treatmentâ€"A laboratory scale study. Chemical Engineering Journal, 2011, 175, 160-168.	12.7	15
100	Coagulation assessment and optimisation with a photometric dispersion analyser and organic characterisation for natural organic matter removal performance. Chemical Engineering Journal, 2011, 168, 629-634.	12.7	24
101	Characterization of floc structure and strength: Role of changing shear rates under various coagulation mechanisms. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 379, 36-42.	4.7	85
102	A coagulationâ€"powdered activated carbonâ€"ultrafiltration â€" Multiple barrier approach for removing toxins from two Australian cyanobacterial blooms. Journal of Hazardous Materials, 2011, 186, 1553-1559.	12.4	68
103	Removal of cyanobacterial metabolites by nanofiltration from two treated waters. Journal of Hazardous Materials, 2011, 188, 288-295.	12.4	70
104	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 basinâ€"laboratory pilot scale study. Water Science and Technology, 2011, 63, 491-501.	2.5	5
105	Characterization of dissolved organic matter from Australian and Chinese source waters by combined fractionation techniques. Water Science and Technology, 2011, 64, 171-177.	2.5	3
106	Application of advanced characterization techniques to assess DOM treatability of micro-polluted and un-polluted drinking source waters in China. Chemosphere, 2010, 81, 39-45.	8.2	61
107	Influence of floc structure on coagulationâ€"microfiltration performance: Effect of Al speciation characteristics of PACls. Separation and Purification Technology, 2010, 72, 22-27.	7.9	59
108	Insight into removal kinetic and mechanisms of anionic dye by calcined clay materials and lime. Journal of Hazardous Materials, 2010, 177, 420-427.	12.4	76

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109	Development of a pilot fluidised bed reactor system with a formulated clayâ€“lime mixture for continuous removal of chemical pollutants from wastewater. Chemical Engineering Journal, 2010, 158, 535-541.	12.7	14
110	Nanofiltration for the removal of algal metabolites and the effects of fouling. Water Science and Technology, 2010, 61, 1189-1199.	2.5	28
111	Evaluation of chitosan as a natural coagulant for drinking water treatment. Water Science and Technology, 2010, 61, 2119-2128.	2.5	42
112	Comparison of photocatalytic degradation of natural organic matter in two Australian surface waters using multiple analytical techniques. Organic Geochemistry, 2010, 41, 124-129.	1.8	64
113	Multi-wavelength spectroscopic and chromatography study on the photocatalytic oxidation of natural organic matter. Water Research, 2010, 44, 2525-2532.	11.3	68
114	Recent developments in photocatalytic water treatment technology: A review. Water Research, 2010, 44, 2997-3027.	11.3	4,343
115	An adsorptionâ€“photocatalysis hybrid process using multi-functional-nanoporous materials for wastewater reclamation. Water Research, 2010, 44, 5385-5397.	11.3	85
116	Nitrogen speciation by microstill flow injection analysis. Desalination and Water Treatment, 2009, 1, 223-231.	1.0	1
117	Removal of natural organic matter using self-assembled monolayer technology. Desalination and Water Treatment, 2009, 12, 344-351.	1.0	12
118	On-line free-chlorine/total-chlorine monitors' evaluation â€“ a step towards a correct choice of residual disinfectant monitor. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 181-190.	1.4	8
119	Assessment of chloramination control strategy based on free-ammonia concentration. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 29-39.	1.4	5
120	Kinetic study and equilibrium isotherm analysis of Congo Red adsorption by clay materials. Chemical Engineering Journal, 2009, 148, 354-364.	12.7	784
121	Synthesis and characterisation of novel titania impregnated kaolinite nano-photocatalyst. Microporous and Mesoporous Materials, 2009, 117, 233-242.	4.4	109
122	Enhancing removal efficiency of anionic dye by combination and calcination of clay materials and calcium hydroxide. Journal of Hazardous Materials, 2009, 171, 941-947.	12.4	66
123	Optimisation of an annular photoreactor process for degradation of Congo Red using a newly synthesized titania impregnated kaolinite nano-photocatalyst. Separation and Purification Technology, 2009, 67, 355-363.	7.9	116
124	Application of H-titanate nanofibers for degradation of Congo Red in an annular slurry photoreactor. Chemical Engineering Journal, 2009, 150, 49-54.	12.7	64
125	A new approach to optimise an annular slurry photoreactor system for the degradation of Congo Red: Statistical analysis and modelling. Chemical Engineering Journal, 2009, 152, 158-166.	12.7	44
126	Optimised coagulation using aluminium sulfate for the removal of dissolved organic carbon. Desalination, 2009, 245, 120-134.	8.2	105

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127	Adsorption of congo red by three Australian kaolins. Applied Clay Science, 2009, 43, 465-472.	5.2	243
128	Absorbance spectroscopy-based examination of effects of coagulation on the reactivity of fractions of natural organic matter with varying apparent molecular weights. Water Research, 2009, 43, 1541-1548.	11.3	159
129	Effect of polyaluminum chloride on enhanced softening for the typical organic-polluted high hardness North-China surface waters. Separation and Purification Technology, 2008, 62, 401-406.	7.9	20
130	Enhanced coagulation for high alkalinity and micro-polluted water: The third way through coagulant optimization. Water Research, 2008, 42, 2278-2286.	11.3	141
131	Mechanism of natural organic matter removal by polyaluminum chloride: Effect of coagulant particle size and hydrolysis kinetics. Water Research, 2008, 42, 3361-3370.	11.3	220
132	Comparison of NOM character in selected Australian and Norwegian drinking waters. Water Research, 2008, 42, 4188-4196.	11.3	202
133	Removal of humic acid using TiO2 photocatalytic process â€“ Fractionation and molecular weight characterisation studies. Chemosphere, 2008, 72, 263-271.	8.2	132
134	TiO₂ Photocatalysis of Natural Organic Matter in Surface Water: Impact on Trihalomethane and Haloacetic Acid Formation Potential. Environmental Science & Technology, 2008, 42, 6218-6223.	10.0	108
135	Assessing Natural Organic Matter Treatability Using High Performance Size Exclusion Chromatography. Environmental Science & Technology, 2008, 42, 6683-6689.	10.0	158
136	Combined Treatments for Enhanced Reduction of Trihalomethane Precursors. ACS Symposium Series, 2008, , 214-226.	0.5	0
137	A Study on the Removal of Humic Acid Using Advanced Oxidation Processes. Separation Science and Technology, 2007, 42, 1391-1404.	2.5	57
138	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. Journal of Colloid and Interface Science, 2007, 316, 482-489.	9.4	143
139	Pre-treatments to reduce fouling of low pressure micro-filtration (MF) membranes. Journal of Membrane Science, 2007, 289, 231-240.	8.2	138
140	Determination of Aluminum by Adsorptive Cathodic Stripping Voltammetry with 1,2-Dihydroxyanthraquinone-3-Sulfonic Acid (DASA): Effect of Thin Mercury Film Electrode. Electroanalysis, 2006, 18, 2257-2262.	2.9	12
141	Disinfectant demand prediction using surrogate parameters â€“ a tool to improve disinfection control. Journal of Water Supply: Research and Technology - AQUA, 2006, 55, 391-400.	1.4	8
142	Indirect Amperometric Detection of Aluminium by Flow Injection Analysis Using DASA as Ligand. Analytical Letters, 2005, 38, 133-147.	1.8	2
143	A case study of treatment performance and organic character. Journal of Water Supply: Research and Technology - AQUA, 2005, 54, 385-395.	1.4	18
144	A rapid fractionation technique to characterise natural organic matter for the optimisation of water treatment processes. Journal of Water Supply: Research and Technology - AQUA, 2004, 53, 85-92.	1.4	99

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145	Use of artificial neural networks for predicting optimal alum doses and treated water quality parameters. Environmental Modelling and Software, 2004, 19, 485-494.	4.5	163
146	Development of an on-line electrochemical analyser for trace level aluminium. Analytica Chimica Acta, 2003, 499, 173-181.	5.4	19
147	The impact of recalcitrant organic character on disinfection stability, trihalomethane formation and bacterial regrowth: An evaluation of magnetic ion exchange resin (MIEXÂ®) and alum coagulation. Journal of Water Supply: Research and Technology - AQUA, 2003, 52, 475-487.	1.4	89
148	Using Coagulation, Flocculation, and Settling to Remove Toxic cyanobacteria. Journal - American Water Works Association, 2001, 93, 100-111.	0.3	129
149	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. Journal of Water Supply: Research and Technology - AQUA, 2000, 49, 89-101.	1.4	21
150	An integrated microdistillation flow injection system for nitrite measurement. Analytica Chimica Acta, 1999, 395, 225-234.	5.4	7
151	The impact of the character of natural organic matter in conventional treatment with alum. Water Science and Technology, 1999, 40, 97.	2.5	44
152	Empirical mathematical models and artificial neural networks for the determination of alum doses for treatment of southern Australian surface waters. Journal of Water Supply: Research and Technology - AQUA, 1999, 48, 115-127.	1.4	13
153	The impact of conventional water treatment processes on cells of the cyanobacterium Microcystis aeruginosa. Water Research, 1999, 33, 3253-3262.	11.3	211
154	Mathematical modelling of potentiometric stripping analysis. Chemical stripping in quiet solutions. Analytica Chimica Acta, 1998, 377, 13-19.	5.4	2
155	THE EFFECT OF FERRIC CHLORIDE FLOCCULATION ON CYANOBACTERIAL CELLS. Water Research, 1998, 32, 808-814.	11.3	75
156	Development of a fully integrated microdistillation flow injection system for the determination of trace level ammonia. Chemometrics and Intelligent Laboratory Systems, 1998, 33, 199-206.	0.1	2
157	Comparison of detector systems in oxidative stripping potentiometry. Chemometrics and Intelligent Laboratory Systems, 1998, 33, 207-215.	0.1	0
158	A Neural Network Approach to Zinc and Copper Interferences in Potentiometric Stripping Analysis. Journal of Intelligent Material Systems and Structures, 1997, 8, 177-183.	2.5	3
159	On-line Microdistillation-based Preconcentration Technique for Ammonia Measurement. Analyst, The, 1997, 122, 1549-1552.	3.5	10
160	An intelligent sensor system for the determination of ammonia using flow injection analysis. Chemometrics and Intelligent Laboratory Systems, 1997, 33, 17-27.	0.1	18
161	Signal filtering of potentiometric stripping analysis using Fourier techniques. Analytica Chimica Acta, 1997, 338, 167-178.	5.4	5
162	Development of an automated flow-injection system for the determination of trace level ammonia. Chemometrics and Intelligent Laboratory Systems, 1997, 33, 129-136.	0.1	1

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163	Mathematical modelling of potentiometric stripping analysis in mechanically mixed solutions. Analytica Chimica Acta, 1996, 329, 1-14.	5.4	2
164	Determination of copper in natural waters by batch and oscillating flow injection stripping potentiometry. Analytica Chimica Acta, 1996, 330, 79-87.	5.4	31
165	Signal enhancement of potentiometric stripping analysis using digital signal processing. Analytica Chimica Acta, 1995, 307, 15-26.	5.4	14
166	Oscillating flow injection stripping potentiometry. Analytica Chimica Acta, 1995, 309, 293-299.	5.4	5
167	An application of an expert system to potentiometric stripping analysis. Chemometrics and Intelligent Laboratory Systems, 1995, 31, 77-88.	0.1	8
168	On-Site Monitoring of Total Copper by Anodic Stripping Voltammetry, During Algicide Dosing of a Reservoir. Analytical Letters, 1994, 27, 113-130.	1.8	9
169	A Neural Network Applied to Sensor Signal Processing: Determination of Copper in Water. Journal of Intelligent Material Systems and Structures, 1992, 3, 418-431.	2.5	4
170	Application of model fitting technique to enhance bacterial regrowth potential (BRP) measurement for drinking water supply monitoring. Journal of Water Supply: Research and Technology - AQUA, 0, , .	1.4	0
171	Understanding the Impact of Spot Market Electricity Price on Wastewater Asset Management Strategy. Water Conservation Science and Engineering, 0, , 1.	1.7	2
172	A Data Visualisation Tool for Treatment Process Monitoring in Web Browsers. Water Conservation Science and Engineering, 0, , .	1.7	1