

# John A Van Leeuwen

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,824  
citations

236833

25  
h-index

289141

40  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing Natural Organic Matter Treatability Using High Performance Size Exclusion Chromatography. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6683-6689.	4.6	158
2	Synchronous X-ray and Radio Mode Switches: A Rapid Global Transformation of the Pulsar Magnetosphere. <i>Science</i> , 2013, 339, 436-439.	6.0	116
3	Optimised coagulation using aluminium sulfate for the removal of dissolved organic carbon. <i>Desalination</i> , 2009, 245, 120-134.	4.0	105
4	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
5	Orthophosphate removal from domestic wastewater using limestone and granular activated carbon. <i>Desalination</i> , 2011, 271, 265-272.	4.0	82
6	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
7	Natural organic matter (NOM) removal in a typical North-China water plant by enhanced coagulation: Targets and techniques. <i>Separation and Purification Technology</i> , 2009, 68, 320-327.	3.9	58
8	Modeling DOC Removal Enhanced Coagulation. <i>Journal - American Water Works Association</i> , 2004, 96, 79-89.	0.2	57
9	Removal of As(III) and As(V) by ferric salts coagulation – Implications of particle size and zeta potential of precipitates. <i>Separation and Purification Technology</i> , 2014, 135, 64-71.	3.9	57
10	Modeling the treatment of drinking water to maximize dissolved organic matter removal and minimize disinfection by-product formation. <i>Desalination</i> , 2005, 176, 81-89.	4.0	56
11	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
12	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
13	The impact of alum coagulation on the character, biodegradability and disinfection by-product formation potential of reservoir natural organic matter (NOM) fractions. <i>Water Science and Technology</i> , 2008, 58, 1173-1179.	1.2	48
14	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
15	Impact of prechlorination on organophosphorus pesticides during drinking water treatment: Removal and transformation to toxic oxon byproducts. <i>Water Research</i> , 2016, 105, 1-10.	5.3	43
16	pH modeling for maximum dissolved organic matter removal by enhanced coagulation. <i>Journal of Environmental Sciences</i> , 2012, 24, 276-283.	3.2	34
17	UV and UV/H <sub>2</sub> O <sub>2</sub> treatment of diazinon and its influence on disinfection byproduct formation following chlorination. <i>Chemical Engineering Journal</i> , 2015, 274, 39-49.	6.6	34
18	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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19	The future of water in Australia: The potential effects of climate change and ozone depletion on Australian water quality, quantity and treatability. <i>The Environmentalist</i> , 2008, 28, 158-165.	0.7	30
20	Water quality with storage in permeable pavement basecourse. <i>Water Management</i> , 2011, 164, 361-372.	0.4	30
21	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
22	Using Gypsum to Reduce Phosphorus in Runoff from Subcatchments in South Australia. <i>Journal of Environmental Quality</i> , 2005, 34, 2118-2128.	1.0	29
23	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
24	Roles of coagulant species and mechanisms on floc characteristics and filterability. <i>Chemosphere</i> , 2016, 150, 211-218.	4.2	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	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
27	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
28	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
29	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
30	A bioprocessing mode for simultaneous fungal biomass protein production and wastewater treatment using an external air-lift bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 1041-1048.	1.6	23
31	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
32	Harming local species or preventing the transfer of exotics? Possible negative and positive effects of using zinc anodes for corrosion protection of ballast water tanks. <i>Water Research</i> , 2000, 34, 1937-1940.	5.3	19
33	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
34	Developing community based models of Corporate Social Responsibility. <i>The Extractive Industries and Society</i> , 2018, 5, 131-143.	0.7	17
35	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
36	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

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37	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
38	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
39	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
40	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
41	Development and implementation of the software mEnCo <sup>®</sup> to predict coagulant doses for DOC removal at full-scale WTPs in South Australia. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 291-298.	0.6	13
42	The effect of vegetation and soil texture on the nature of organics in runoff from a catchment supplying water for domestic consumption. <i>Science of the Total Environment</i> , 2015, 529, 72-81.	3.9	13
43	Depletion of <i>E. coli</i> in permeable pavement mineral aggregate storage and reuse systems. <i>Water Science and Technology</i> , 2009, 60, 3091-3099.	1.2	12
44	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
45	Chloramine demand estimation using surrogate chemical and microbiological parameters. <i>Journal of Environmental Sciences</i> , 2017, 57, 1-7.	3.2	11
46	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
47	Modelling of THM formation potential and DOM removal based on drinking water catchment characteristics. <i>Science of the Total Environment</i> , 2018, 635, 761-768.	3.9	10
48	Changes in water quality following gypsum application to catchment soils of the Mount Lofty Ranges, South Australia. <i>Organic Geochemistry</i> , 2010, 41, 116-123.	0.9	9
49	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
50	Evaluation and comparison the performance of titanium and zirconium(IV) tetrachloride in textile wastewater treatment. <i>Data in Brief</i> , 2018, 18, 920-927.	0.5	8
51	Study of the impacts of process changes of a pulp and paper mill on aerated stabilization basin (ASB) performance. <i>Chemosphere</i> , 2018, 211, 767-774.	4.2	8
52	Changes in character of organics in the receiving environment of effluent from a sulphite pulp mill. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2151-2158.	2.7	6
53	Characterization and predicting DOM treatability by enhanced coagulation. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 147-157.	1.0	6
54	Treatability of organic matter derived from surface and subsurface waters of drinking water catchments. <i>Chemosphere</i> , 2016, 144, 1193-1200.	4.2	6

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55	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. <i>Water Science and Technology</i> , 2011, 63, 491-501.	1.2	5
56	Potential use of zirconium (IV) chloride as coagulant to treat semi-aerobic leachate treatment. <i>International Journal of Environment and Waste Management</i> , 2016, 18, 205.	0.2	5
57	Assessment of a new combined fractionation technique for characterization of the natural organic matter in the coagulation process. <i>Desalination and Water Treatment</i> , 2012, 48, 252-260.	1.0	3
58	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
59	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
60	Impact of extracted algogenic organic matter on coagulation performance. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 617-624.	1.0	2
61	Field based pilot-scale drinking water distribution system: Simulation of long hydraulic retention times and microbiological mediated monochloramine decay. <i>MethodsX</i> , 2018, 5, 684-696.	0.7	2
62	Using reverse phase high performance liquid chromatography as an alternative to resin fractionation to assess the hydrophobicity of natural organic matter. <i>Water Science and Technology</i> , 2012, 66, 2402-2409.	1.2	1
63	Changes in the nature of dissolved organics during pulp and paper mill wastewater treatment: a multivariate statistical study combining data from three analytical techniques. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4265-4275.	2.7	1
64	Investigation of cyanobacteria blooms in paper mill wastewaters and assessment of zinc as a control agent. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	1
65	Introduction to Urban Stormwater: A Global Perspective. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2019, , 1-28.	0.2	0
66	Application of model fitting technique to enhance bacterial regrowth potential (BRP) measurement for drinking water supply monitoring. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 0, , .	0.6	0