

# David Jenkins

## List of Publications by Year in descending order

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67  
papers

3,782  
citations

186265  
28  
h-index

138484  
58  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2365  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Identification of Polyphosphate-Accumulating Organisms and Design of 16S rRNA-Directed Probes for Their Detection and Quantitation. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1175-1182.                        | 3.1  | 691       |
| 2  | Population Studies on Red Grouse, <i>Lagopus lagopus scoticus</i> (Lath.) in North-East Scotland. <i>Journal of Animal Ecology</i> , 1963, 32, 317.   | 2.8  | 321       |
| 3  | A rapid physical-chemical method for the determination of readily biodegradable soluble COD in municipal wastewater. <i>Water Research</i> , 1993, 27, 195-197.   | 11.3 | 244       |
| 4  | The effect of organic loading on process performance and membrane fouling in a submerged membrane bioreactor treating municipal wastewater. <i>Water Research</i> , 2006, 40, 2675-2683.  | 11.3 | 181       |
| 5  | Manual on the Causes and Control of Activated Sludge Bulking, Foaming, and Other Solids Separation Problems. , 0, , .   |      | 172       |
| 6  | Brucine Method for the Determination of Nitrate in Ocean, Estuarine, and Fresh Waters.. <i>Analytical Chemistry</i> , 1964, 36, 610-612.  | 6.5  | 150       |
| 7  | Enhanced Biological Phosphorus Removal from Wastewater by Biomass with Different Phosphorus Contents, Part I: Experimental Results and Comparison with Metabolic Models. <i>Water Environment Research</i> , 2003, 75, 485-498. | 2.7  | 136       |
| 8  | Polyphosphate Kinase from Activated Sludge Performing Enhanced Biological Phosphorus Removal. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4971-4978.  | 3.1  | 121       |
| 9  | Influence of mixed liquor properties and aeration intensity on membrane fouling in a submerged membrane bioreactor at high mixed liquor suspended solids concentrations. <i>Water Research</i> , 2007, 41, 947-958.             | 11.3 | 121       |
| 10 | The viability and activity of activated sludge. <i>Water Research</i> , 1971, 5, 621-640.   | 11.3 | 114       |
| 11 | Population Fluctuations in the Red Grouse <i>Lagopus lagopus scoticus</i> . <i>Journal of Animal Ecology</i> , 1967, 36, 97.  | 2.8  | 112       |
| 12 | Excitation of rat colonic afferent fibres by 5-HT <sub>3</sub> receptors. <i>Journal of Physiology</i> , 2002, 544, 861-869.  | 2.9  | 102       |
| 13 | Experiments on Population Control by Territorial Behaviour in Red Grouse. <i>Journal of Animal Ecology</i> , 1968, 37, 595.   | 2.8  | 96        |
| 14 | Ecology of Otters in Northern Scotland. III. The Use of Faeces as Indicators of Otter ( <i>Lutra lutra</i> ) Density and Distribution. <i>Journal of Animal Ecology</i> , 1980, 49, 755.  | 2.8  | 93        |
| 15 | Predation and Red Grouse Populations. <i>Journal of Applied Ecology</i> , 1964, 1, 183.   | 4.0  | 90        |
| 16 | Polyphosphate kinase genes from full-scale activated sludge plants. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 167-173.  | 3.6  | 78        |
| 17 | Biological removal of phosphorus from wastewater. <i>Critical Reviews in Environmental Control</i> , 1985, 15, 25-64.   | 0.7  | 60        |
| 18 | Ecology of Otters in Northern Scotland: II. Analyses of Otter ( <i>Lutra lutra</i> .) and Mink ( <i>Mustela vison</i> ) Faeces from Deeside, N.E. Scotland in 1977-78. <i>Journal of Animal Ecology</i> , 1980, 49, 737.        | 2.8  | 57        |

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|----|---|------|-----------|
| 19 | Evaluation of alternative sludge settleability indices. <i>Water Research</i> , 1983, 17, 1421-1426.  | 11.3 | 53        |
| 20 | What factors predict length of stay in a neonatal unit: a systematic review. <i>BMJ Open</i> , 2016, 6, e010466.  | 1.9  | 52        |
| 21 | The half-saturation coefficient for dissolved oxygen: A dynamic method for its determination and its effect on dual species competition. <i>Biotechnology and Bioengineering</i> , 1983, 25, 403-416.                 | 3.3  | 43        |
| 22 | Activated Sludge “ 100 Years and Counting. <i>Water Intelligence Online</i> , 0, 13, .  | 0.3  | 43        |
| 23 | Increased replication of dissimilatory nitrate-reducing bacteria leads to decreased anammox bioreactor performance. <i>Microbiome</i> , 2020, 8, 7.   | 11.1 | 42        |
| 24 | Physical Characteristics of Activated Sludge Flocs. <i>Critical Reviews in Environmental Control</i> , 1986, 17, 53-87.   | 0.7  | 41        |
| 25 | Heather Performance and Red Grouse Populations. I. Visual Estimates of Heather Performance. <i>Journal of Applied Ecology</i> , 1966, 3, 313.   | 4.0  | 40        |
| 26 | Process control factors influencing <i>Nocardia</i> populations in activated sludge. <i>Water Environment Research</i> , 1992, 64, 37-43.   | 2.7  | 40        |
| 27 | Mass and Viability Estimations of <i>Nocardia</i> in Activated Sludge and Anaerobic Digesters Using Conventional Stains and Immunofluorescent Methods. <i>Water Science and Technology</i> , 1994, 29, 249-259.       | 2.5  | 35        |
| 28 | Ecology of Otters in Northern Scotland: I. Otter ( <i>Lutra lutra</i> ) Breeding and Dispersion in Mid-Deeside, Aberdeenshire in 1974-79. <i>Journal of Animal Ecology</i> , 1980, 49, 713.                           | 2.8  | 34        |
| 29 | A REFLECTING TEAM APPROACH TO FAMILY THERAPY: A DELPHI STUDY. <i>Journal of Marital and Family Therapy</i> , 1996, 22, 219-238.   | 1.1  | 32        |
| 30 | A Comparison of the Physical, Chemical, and Biological Properties of Sludges from a Complete-Mix Activated Sludge Reactor and a Submerged Membrane Bioreactor. <i>Water Environment Research</i> , 2007, 79, 320-328. | 2.7  | 30        |
| 31 | A nitrification model for the contact stabilization activated sludge process. <i>Water Research</i> , 1975, 9, 561-566.   | 11.3 | 29        |
| 32 | Coming Out in Mid-Adulthood. <i>Journal of Gay and Lesbian Social Services</i> , 2004, 16, 19-42.   | 1.2  | 27        |
| 33 | <i>Nocardia</i> control in activated sludge by classifying selectors. <i>Water Environment Research</i> , 1996, 68, 235-239.  | 2.7  | 23        |
| 34 | The contact stabilization activated sludge process“oxygen utilization, sludge production and efficiency. <i>Water Research</i> , 1975, 9, 553-560.  | 11.3 | 22        |
| 35 | The inclusion of real world evidence in clinical development planning. <i>Trials</i> , 2018, 19, 468.   | 1.6  | 20        |
| 36 | The Differentiation, Analysis, and Preservation of Nitrogen and Phosphorus Forms in Natural Waters. <i>Advances in Chemistry Series</i> , 1968, , 265-280.  | 0.6  | 19        |

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|----|---|-----|-----------|
| 37 | Polymer addition as a solution to Nocardia foaming problems. Water Environment Research, 1997, 69, 25-27.   | 2.7 | 19        |
| 38 | The Use of Anoxic Selectors for the Control of Low F/M Activated Sludge Bulking. Water Science and Technology, 1989, 21, 609-619.   | 2.5 | 19        |
| 39 | The persistence of ethion and Zolone residues on grape foliage in the central valley of California. Archives of Environmental Contamination and Toxicology, 1975, 3, 40-54.                 | 4.1 | 17        |
| 40 | Explicit causal reasoning is needed to prevent prognostic models being victims of their own success. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1675-1676.   | 4.4 | 17        |
| 41 | QUALITATIVE STUDIES IN FAMILY PSYCHOTHERAPY. Journal of Family Psychotherapy, 1995, 6, 49-70.   | 0.5 | 15        |
| 42 | Lesbians and Gay Men Embrace Their Sexual Orientation After Conversion Therapy and Ex-Gay Ministries. Social Work in Mental Health, 2006, 4, 61-82.   | 1.0 | 15        |
| 43 | The Breeding of the Red-Legged Partridge. Bird Study, 1957, 4, 97-100.  | 1.0 | 14        |
| 44 | Stress levels and failure modes of tantalum-clad tungsten targets at ISIS. Journal of Nuclear Materials, 2018, 506, 76-82.  | 2.7 | 14        |
| 45 | From Total Suspended Solids to Molecular Biology Tools—A Personal View of Biological Wastewater Treatment Process Population Dynamics. Water Environment Research, 2008, 80, 677-687.       | 2.7 | 9         |
| 46 | The nightmare and the narrative.. Dreaming, 2012, 22, 101-114.  | 0.5 | 9         |
| 47 | A Lesbian Older Adult Managing Identity Disclosure: A Case Study. Journal of Gerontological Social Work, 2010, 53, 402-420.   | 1.0 | 8         |
| 48 | Practical results of research for management of red grouse. Biological Conservation, 1970, 2, 266-272.  | 4.1 | 7         |
| 49 | Simple device for level control with subsurface drawoff in chemostats. Biotechnology and Bioengineering, 1980, 22, 2433-2435.   | 3.3 | 7         |
| 50 | Application of Batch Kinetic Data to the Sizing of Continuous-Flow Activated Sludge Reactors. Water Science and Technology, 1987, 19, 505-516.  | 2.5 | 7         |
| 51 | Advanced primary treatment: An alternative to biological secondary treatment. The city of Los Angeles hyperion treatment plant experience. Water Science and Technology, 1996, 34, 223-233. | 2.5 | 6         |
| 52 | 5-HT3 receptor mediated excitation of colonic afferent endings: Functional and anatomical correlates. Gastroenterology, 2001, 120, A6.  | 1.3 | 6         |
| 53 | Ecology of otters in Northern Scotland IV. A model scheme for otter Lutra lutra L. conservation in a freshwater system in aberdeenshire. Biological Conservation, 1981, 20, 123-132.        | 4.1 | 5         |
| 54 | THE ROLE OF DISPERSED NOCARDIOFORM FILAMENTS IN ACTIVATED SLUDGE FOAMING. Proceedings of the Water Environment Federation, 2003, 2003, 724-739.   | 0.0 | 5         |

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|----|--|-----|-----------|
| 55 | THE EFFECT OF ORGANIC LOADING ON MEMBRANE FOULING IN A SUBMERGED MEMBRANE BIOREACTOR TREATING MUNICIPAL WASTEWATER. Proceedings of the Water Environment Federation, 2004, 2004, 696-716.  | 0.0 | 4         |
| 56 | Effects of Sludge Properties on the Thickening and Dewatering of Waste Activated Sludge. Water Environment Research, 2007, 79, 2412-2419.  | 2.7 | 4         |
| 57 | An Older Transgender Woman's Quest for Identity. Journal of Psychosocial Nursing and Mental Health Services, 2016, 54, 31-38.  | 0.6 | 3         |
| 58 | Changes in Mixed Liquor and Organic Foulant Properties Affect Membrane Fouling for Non-Nitrifying and Nitrifying Biological Conditions. Water Environment Research, 2009, 81, 255-264.   | 2.7 | 2         |
| 59 | THE ANALYSIS OF NITROGEN FORMS IN WATERS AND WASTEWATERS. , 2013, , 31-53.   |     | 2         |
| 60 | An Experiment Using Neutron Diffraction to Investigate Residual Strain Distribution in a Hot Isostatic Pressed (HIPPED) Target Plate. Materials Today: Proceedings, 2015, 2, S267-S273.  | 1.8 | 2         |
| 61 | A Comparison of Strains Induced by Manufacturing and Operational Conditions of a Tantalum Clad Tungsten Plate of an ISIS TS1 Solid Target. Journal of Physics: Conference Series, 2018, 1021, 012086.  | 0.4 | 1         |
| 62 | Nightmare resolution: Where to begin, where to end? A commentary on "The mechanisms of action underlying the efficacy of psychological nightmare treatments: A systematic review and thematic analysis of discussed hypotheses" Sleep Medicine Reviews, 2019, 45, 129-130. | 8.5 | 1         |
| 63 | THE USE OF ANOXIC SELECTORS FOR THE CONTROL OF LOW F/M ACTIVATED SLUDGE BULKING. , 1988, , 609-619.  |     | 0         |
| 64 | Phytofences and Algae Harvesting as Control Strategies for H <sub>2</sub> S Emissions from Saline Ponds. Lake and Reservoir Management, 1994, 10, 149-154.   | 1.3 | 0         |
| 65 | POLYPHOSPHATE KINASE GENES FROM ACTIVATED SLUDGE CARRYING OUT ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL. Proceedings of the Water Environment Federation, 2001, 2001, 20-33.  | 0.0 | 0         |
| 66 | GENETIC AND BIOCHEMICAL MARKERS FOR ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL. Proceedings of the Water Environment Federation, 2003, 2003, 529-549.  | 0.0 | 0         |
| 67 | Measurement of residual strain in tantalum-clad tungsten after hot isostatic pressing. Journal of Neutron Research, 2020, 22, 287-297.   | 1.1 | 0         |