

Goen E Ho

List of Publications by Year in descending order

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128
papers

2,963
citations

136885

32
h-index

206029

48
g-index

131
all docs

131
docs citations

131
times ranked

3334
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of indigenous microorganisms in suppression of salmonella regrowth in composted biosolids. <i>Water Research</i> , 2001, 35, 913-920.	5.3	142
2	Mitigating ammonia inhibition of thermophilic anaerobic treatment of digested piggery wastewater: Use of pH reduction, zeolite, biomass and humic acid. <i>Water Research</i> , 2012, 46, 4339-4350.	5.3	118
3	The role of water-energy nexus in optimising water supply systems – Review of techniques and approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1424-1432.	8.2	108
4	Anodophilic Biofilm Catalyzes Cathodic Oxygen Reduction. <i>Environmental Science & Technology</i> , 2010, 44, 518-525.	4.6	97
5	Affinity of Microbial Fuel Cell Biofilm for the Anodic Potential. <i>Environmental Science & Technology</i> , 2008, 42, 3828-3834.	4.6	90
6	Reedbeds for greywater treatment – case study in Santa Elena-Monteverde, Costa Rica, Central America. <i>Ecological Engineering</i> , 2004, 23, 55-61.	1.6	89
7	Novel Methanogenic Rotatable Bioelectrochemical System Operated with Polarity Inversion. <i>Environmental Science & Technology</i> , 2011, 45, 796-802.	4.6	78
8	Environmental life cycle assessment of seawater reverse osmosis desalination plant powered by renewable energy. <i>Renewable Energy</i> , 2014, 67, 53-58.	4.3	74
9	EFFECTS OF GYPSUM AND SEWAGE SLUDGE AMENDMENT ON PHYSICAL PROPERTIES OF FINE BAUXITE REFINING RESIDUE. <i>Soil Science</i> , 1991, 152, 326-332.	0.9	64
10	Review – Bacteria and their extracellular polymeric substances causing biofouling on seawater reverse osmosis desalination membranes. <i>Journal of Environmental Management</i> , 2018, 223, 586-599.	3.8	58
11	Ethanol from lignocellulose using crude unprocessed cellulase from solid-state fermentation. <i>Bioresource Technology</i> , 2010, 101, 7083-7087.	4.8	55
12	Regrowth of faecal coliforms and salmonellae in stored biosolids and soil amended with biosolids. <i>Water Science and Technology</i> , 1997, 35, 269.	1.2	54
13	Sewage sludge as organic ameliorant for revegetation of fine bauxite refining residue. <i>Resources, Conservation and Recycling</i> , 1994, 11, 297-309.	5.3	53
14	Environmental and economic assessment of beach well intake versus open intake for seawater reverse osmosis desalination. <i>Desalination</i> , 2015, 357, 259-266.	4.0	52
15	Comparison of polysaccharide fouling in forward osmosis and reverse osmosis separations. <i>Desalination</i> , 2017, 402, 174-184.	4.0	51
16	Development of a reliable low-cost reverse osmosis desalination unit for remote communities. <i>Desalination</i> , 1992, 86, 9-26.	4.0	49
17	Characterisation and comparison of bacterial communities on reverse osmosis membranes of a full-scale desalination plant by bacterial 16S rRNA gene metabarcoding. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 13.	2.9	47
18	Selecting an economically suitable and sustainable solution for a renewable energy-powered water desalination system: A rural Australian case study. <i>Desalination</i> , 2018, 435, 128-139.	4.0	47

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19	The effects of clay amendment and composting on metal speciation in digested sludge. <i>Water Research</i> , 1997, 31, 951-964.	5.3	46
20	Comparative economic and environmental assessments of centralised and decentralised seawater desalination options. <i>Desalination</i> , 2015, 376, 25-34.	4.0	46
21	Inhibiting quorum sensing pathways to mitigate seawater desalination RO membrane biofouling. <i>Desalination</i> , 2016, 393, 135-143.	4.0	46
22	Technology for sustainability: the role of onsite, small and community scale technology. <i>Water Science and Technology</i> , 2005, 51, 15-20.	1.2	43
23	Impact of heavy metals on enzymatic activity of substrate and on composting worms <i>Eisenia fetida</i> . <i>Bioresource Technology</i> , 2006, 97, 1498-1502.	4.8	41
24	Pilot-scale biofilter for the simultaneous removal of hydrogen sulphide and ammonia at a wastewater treatment plant. <i>Biochemical Engineering Journal</i> , 2016, 107, 1-10.	1.8	41
25	EFFECTIVENESS OF ACIDIC INDUSTRIAL WASTES FOR RECLAIMING FINE BAUXITE REFINING RESIDUE (RED) Tj ETQq _{1,1} 0.784314 rgBT (k	0.9	38
26	The role of the submergent macrophyte <i>Triglochin huegelii</i> in domestic greywater treatment. <i>Ecological Engineering</i> , 1999, 12, 57-66.	1.6	38
27	Selection of <i>Salmonella Typhimurium</i> as an indicator for pathogen regrowth potential in composted biosolids. <i>Letters in Applied Microbiology</i> , 1999, 29, 303-307.	1.0	35
28	The risk of sodium toxicity from bed accumulation to key species in the vermifiltration wastewater treatment process. <i>Bioresource Technology</i> , 2009, 100, 3815-3819.	4.8	35
29	Potential for energy generation from anaerobic digestion of food waste in Australia. <i>Waste Management and Research</i> , 2013, 31, 283-294.	2.2	35
30	Bioelectrochemical enhancement of anaerobic digestion: Comparing single- and two-chamber reactor configurations at thermophilic conditions. <i>Bioresource Technology</i> , 2017, 245, 1168-1175.	4.8	35
31	Rate of precipitation of ferrous iron and formation of mixed iron-calcium carbonates by naturally occurring carbonate materials. <i>Water Research</i> , 1985, 19, 831-837.	5.3	34
32	Modelling phosphorus transport in soils and groundwater with two-consecutive reactions. <i>Water Research</i> , 1991, 25, 1205-1216.	5.3	32
33	Solutions to a combined problem of excessive hydrogen sulfide in biogas and struvite scaling. <i>Water Science and Technology</i> , 2006, 53, 203-211.	1.2	32
34	Towards zero liquid discharge: the use of water auditing to identify water conservation measures. <i>Journal of Cleaner Production</i> , 2014, 66, 571-576.	4.6	32
35	A framework for planning sustainable seawater desalination water supply. <i>Science of the Total Environment</i> , 2017, 575, 826-835.	3.9	32
36	An interactive planning model for sustainable urban water and energy supply. <i>Applied Energy</i> , 2019, 235, 332-345.	5.1	31

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37	Nitrogen and phosphorus removal from sewage effluent in amended sand columns. <i>Water Research</i> , 1992, 26, 295-300.	5.3	30
38	Bacteria and Virus Removal from Secondary Effluent in Sand and Red Mud Columns. <i>Water Science and Technology</i> , 1991, 23, 261-270.	1.2	29
39	Cation Exchange Behavior of Bauxite Refining Residues from Western Australia. <i>Journal of Environmental Quality</i> , 1995, 24, 461-466.	1.0	28
40	Toxicity of domestic wastewater pH to key species within an innovative decentralised vermifiltration system. <i>Water Science and Technology</i> , 2007, 55, 211-218.	1.2	28
41	Leachate quality from gypsum neutralized red mud applied to sandy soils. <i>Water, Air, and Soil Pollution</i> , 1989, 47, 1-18.	1.1	27
42	Investigation of compounds that degrade biofilm polysaccharides on reverse osmosis membranes from a full scale desalination plant to alleviate biofouling. <i>Desalination</i> , 2017, 403, 88-96.	4.0	27
43	The toxicity of ammonia/ammonium to the vermifiltration wastewater treatment process. <i>Water Science and Technology</i> , 2008, 58, 1215-1220.	1.2	26
44	Rapid start-up of thermophilic anaerobic digestion with the turf fraction of MSW as inoculum. <i>Bioresource Technology</i> , 2011, 102, 7762-7767.	4.8	26
45	The effect of clay amendment on speciation of heavy metals in sewage sludge. <i>Water Science and Technology</i> , 1996, 34, 413.	1.2	24
46	Efficiency analysis of the Solarflow " An innovative solar-powered desalination unit for treating brackish water. <i>Renewable Energy</i> , 2009, 34, 397-400.	4.3	24
47	Energy-efficient treatment of organic wastewater streams using a rotatable bioelectrochemical contactor (RBEC). <i>Bioresource Technology</i> , 2012, 126, 431-436.	4.8	24
48	Overcoming sodium toxicity by utilizing grass leaves as co-substrate during the start-up of batch thermophilic anaerobic digestion. <i>Bioresource Technology</i> , 2012, 125, 188-192.	4.8	23
49	Characterisation of extracellular polysaccharides from bacteria isolated from a full-scale desalination plant. <i>Desalination</i> , 2017, 418, 9-18.	4.0	23
50	Field performance of small scale anaerobic digesters treating food waste. <i>Energy for Sustainable Development</i> , 2012, 16, 509-514.	2.0	22
51	The role of water auditing in achieving water conservation in the process industry. <i>Journal of Cleaner Production</i> , 2013, 52, 356-361.	4.6	22
52	A new approach for in situ cyclic voltammetry of a microbial fuel cell biofilm without using a potentiostat. <i>Bioelectrochemistry</i> , 2009, 74, 227-231.	2.4	21
53	Hydrolysis of cellulose using HCl: A comparison between liquid phase and gaseous phase processes. <i>Agricultural Wastes</i> , 1982, 4, 97-116.	0.4	19
54	Recovery of oleate-inhibited anaerobic digestion by addition of simple substrates. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1057-1063.	1.6	19

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55	Utilisation of oxygen from water electrolysis – Assessment for wastewater treatment and aquaculture. <i>Chemical Engineering Science</i> , 2021, 246, 117008.	1.9	19
56	and its implications for sludge disposal. <i>Water Science and Technology</i> , 1996, 34, 179.	1.2	18
57	Influence of high gas production during thermophilic anaerobic digestion in pilot-scale and lab-scale reactors on survival of the thermotolerant pathogens <i>Clostridium perfringens</i> and <i>Campylobacter jejuni</i> in piggy wastewater. <i>Water Research</i> , 2009, 43, 3281-3291.	5.3	18
58	The effects of clay amendment on composting of digested sludge. <i>Water Research</i> , 1997, 31, 1056-1064.	5.3	17
59	Hydrogen sulphide production tests and the detection of groundwater faecal contamination by septic seepage. <i>Water Science and Technology</i> , 2005, 51, 291-300.	1.2	17
60	Culturable bacteria from a full-scale desalination plant: Identification methods, bacterial diversity and selection of models based on membrane-biofilm community. <i>Desalination</i> , 2019, 457, 103-114.	4.0	17
61	Groundwater recharge of sewage effluent through amended sand. <i>Water Research</i> , 1992, 26, 285-293.	5.3	16
62	Hydrothermal Carbonization of Cattle Paunch Waste: Process Conditions and Product Characteristics. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104487.	3.3	16
63	Recovery of sulphur from contaminated air in wastewater treatment plants by biofiltration: a critical review. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 523-534.	3.9	15
64	Pathogen die-off in stored wastewater sludge. <i>Water Science and Technology</i> , 1995, 31, 91.	1.2	13
65	Subsurface dripline tubing – an experimental design for assessing the effectiveness of using dripline to apply treated wastewater for turf irrigation in Western Australia. <i>Desalination</i> , 2006, 187, 375-385.	4.0	13
66	Investigating the dynamic interactions between supply and demand for rural sanitation, Malawi. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2012, 2, 266-278.	0.7	13
67	Influence of site-specific parameters on environmental impacts of desalination. <i>Desalination and Water Treatment</i> , 2015, 55, 2357-2363.	1.0	13
68	Anaerobic bioflocculation of wool scouring effluent. <i>Water Research</i> , 1994, 28, 1743-1747.	5.3	12
69	Chromium speciation in municipal solid waste: Effects of clay amendment and composting. <i>Water Science and Technology</i> , 1998, 38, 17.	1.2	12
70	Enhancement of waste activated sludge anaerobic digestion by a novel chemical free acid/alkaline pretreatment using electrolysis. <i>Water Science and Technology</i> , 2013, 67, 2827-2831.	1.2	12
71	Mechanisms in anaerobic bioflocculation of wool scouring effluent. <i>Water Research</i> , 1994, 28, 1749-1754.	5.3	11
72	Heavy metals in a constructed wetland treating industrial wastewater: distribution in the sediment and rhizome tissue. <i>Water Science and Technology</i> , 2009, 60, 1425-1432.	1.2	11

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73	Control of biofouling by xanthine oxidase on seawater reverse osmosis membranes from a desalination plant: enzyme production and screening of bacterial isolates from the full-scale plant. <i>Letters in Applied Microbiology</i> , 2017, 65, 73-81.	1.0	11
74	Morphological study of Bayer process desilication product and its application to laboratory and plant digests. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 982-986.	1.8	10
75	Influence of co-substrates on structure of microbial aggregates in long-chain fatty acid-fed anaerobic digesters. <i>Letters in Applied Microbiology</i> , 2002, 35, 190-194.	1.0	10
76	Nitrogen removal and ammonia-oxidising bacteria in a vertical flow constructed wetland treating inorganic wastewater. <i>Water Science and Technology</i> , 2011, 64, 587-594.	1.2	10
77	Biofilter for generation of concentrated sulphuric acid from H ₂ S. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16781-16789.	2.7	10
78	A novel method for detection of viable Giardia cysts in water samples. <i>Water Research</i> , 2000, 34, 1948-1951.	5.3	9
79	Renewable energy in the context of environmentally sound technologies – training and research programmes at the Environmental Technology Centre, Murdoch University. <i>Renewable Energy</i> , 2001, 22, 105-112.	4.3	9
80	The Bubble-Greenhouse: A holistic sustainable approach to small-scale water desalination in remote regions. <i>Desalination</i> , 2015, 365, 250-260.	4.0	9
81	A bubble column evaporator with basic flat-plate condenser for brackish and seawater desalination. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 74-85.	1.2	9
82	On-site wastewater technologies in Australia. <i>Water Science and Technology</i> , 2001, 44, 81-88.	1.2	8
83	Water balance modelling of alternate water sources at the household scale. <i>Water Science and Technology</i> , 2011, 63, 1873-1879.	1.2	8
84	Carbon neutral mine site villages: Myth or reality?. <i>Renewable Energy</i> , 2014, 66, 62-68.	4.3	8
85	Exploring the methodology of participatory design to create appropriate sanitation technologies in rural Malawi. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2014, 4, 51-61.	0.7	8
86	Quantifying the Benefits of Residential Greywater Reuse. <i>Water (Switzerland)</i> , 2020, 12, 2310.	1.2	8
87	Emerging approaches to integrated urban water management: cluster scale application. <i>Water Science and Technology</i> , 2005, 51, 21-27.	1.2	7
88	Novel process of bio-chemical ammonia removal from air streams using a water reflux system and zeolite as filter media. <i>Chemosphere</i> , 2016, 144, 257-263.	4.2	7
89	A two-level decision making approach for optimal integrated urban water and energy management. <i>Energy</i> , 2018, 155, 408-425.	4.5	7
90	Anaerobic bioflocculation of wool scouring effluent: The influence of non-ionic surfactant on efficiency. <i>Water Science and Technology</i> , 1996, 34, 1.	1.2	6

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91	Effects of volumetric dilution on anaerobic digestion of food waste. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, .	0.8	6
92	Reducing energy for cellulose ethanol production by the use of sterilising agents in lieu of steam. <i>Renewable Energy</i> , 2012, 43, 403-406.	4.3	6
93	Distillation in packed columns: The relationship between HTU and packed height. <i>AIChE Journal</i> , 1967, 13, 614-615.	1.8	5
94	HS paper strip method ? A bacteriological test for faecal coliforms in drinking water at various temperatures. <i>Water Science and Technology</i> , 1999, 40, 85.	1.2	5
95	Greywater treatment with the submergent <i>Triglochin huegelii</i> – a comparison between surface and subsurface systems. <i>Ecological Engineering</i> , 2003, 20, 147-156.	1.6	5
96	Novel microbial-electrochemical filter with a computer-feedback pH control strategy for upgrading biogas into biomethane. <i>Bioresource Technology</i> , 2021, 332, 125137.	4.8	5
97	Differential backmixing in distillation columns. <i>Chemical Engineering Science</i> , 1970, 25, 1297-1300.	1.9	4
98	Iron Removal from TiO ₂ – Plant Acidic Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 1984, 110, 828-846.	0.7	4
99	Distribution of methanogenic potential in fractions of turf grass used as inoculum for the start-up of thermophilic anaerobic digestion. <i>Bioresource Technology</i> , 2012, 117, 124-130.	4.8	4
100	Saline water desalination with vapour capture device: a literature review of foundational technologies and underlying principles. <i>Environmental Technology Reviews</i> , 2013, 2, 71-84.	2.1	4
101	Simplifying cellulase production by using environmental selection pressures and recycling substrate. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 471-475.	1.2	4
102	Exploring the utility of diffusion theory to evaluate social marketing approaches to improve urban sanitation in Malawi. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2015, 5, 289-300.	0.7	4
103	Experimental investigation into the use of sodium nitroprusside for controlling polysaccharide fouling in membrane separation. <i>Journal of Water Process Engineering</i> , 2019, 27, 171-176.	2.6	4
104	Treatment of wool scouring effluent by anaerobic bioflocculation. <i>Water Science and Technology</i> , 1994, 30, 375-384.	1.2	4
105	Plate-efficiency-the effect of bubble size distribution on the liquid phase efficiency. <i>Chemical Engineering Science</i> , 1968, 23, 948-950.	1.9	3
106	Crop residues – I. How much can be safely harvested?. <i>Bioresource Technology</i> , 1985, 7, 47-57.	0.3	3
107	Phosphorus movement through soils and groundwater: Application of a time-dependent sorption model. <i>Water Science and Technology</i> , 1995, 31, 83.	1.2	3
108	Evaluation of culture media for detection of salmonellae in composted biosolids. <i>Water Research</i> , 1997, 31, 2664-2667.	5.3	3

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109	Limitations of Bio-Hydrogen Production by Anaerobic Fermentation Process: An Overview. , 2007, , .		3
110	New method for characterizing electron mediators in microbial systems using a thin-layer twin-working electrode cell. Biosensors and Bioelectronics, 2017, 87, 531-536.	5.3	3
111	Water sustainable house: water auditing of 3 case studies in Perth, Western Australia. Water Practice and Technology, 2019, 14, 435-443.	1.0	3
112	Co-treatment of septage in a municipal sewage treatment pond system. Water Science and Technology, 2002, 46, 315-321.	1.2	2
113	An assessment of Kalgoorlie Consolidated Gold Mines and Boddington Gold Mine water sources and proposed water auditing framework underpinning improved water allocation compliance and reporting. Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A. 2009, 118, 225-231.	0.8	2
114	Biological Methods of Odor Removal in Solid Waste Treatment Facilities. , 2017, , 341-365.		2
115	Water Security and Clean Energy, Co-benefits of an Integrated Water and Energy Management. Computer Aided Chemical Engineering, 2017, 40, 1363-1368.	0.3	2
116	Integrating Real-time Operational Constraints in Planning of Water and Energy Supply. Computer Aided Chemical Engineering, 2018, , 313-318.	0.3	2
117	Crop residues II. How much can be economically harvested?. Bioresource Technology, 1985, 7, 199-214.	0.3	1
118	Appropriate Technology Hygiene Facility for Small Communities. Water Science and Technology, 1991, 24, 163-173.	1.2	1
119	Hs papers as presumptive tests for contamination in tropical drinking water. Water Science and Technology, 1996, 34, 187.	1.2	1
120	Localized treatment and reuse of wastewater: science, technology and management. Desalination, 1996, 106, 291-294.	4.0	1
121	Characterisation of Waste Solutions to Determine Optimised P Recovery. Environmental Technology (United Kingdom), 2001, 22, 1303-1312.	1.2	1
122	Technical evaluation of simple condenser devices for a bubble column desalinators. Desalination and Water Treatment, 2016, 57, 18573-18587.	1.0	1
123	PRETREATMENT INVESTIGATIONS AND FIELD TRIALING OF AN INNOVATIVE SOLAR-POWERED REVERSE OSMOSIS DESALINATION UNIT. , 1998, , 139-144.		1
124	Low cost anaerobic system for Indonesia: single baffled septic tank. Water Science and Technology, 2004, 48, 193-198.	1.2	0
125	Water auditing: the case for statutory requirements. Water Science and Technology: Water Supply, 2008, 8, 597-601.	1.0	0
126	Socio-environmental factors affecting water demand in discrete aboriginal communities in Australia. International Journal of Water, 2013, 7, 240.	0.1	0

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127	The Effect of Indirect GHG Emissions Costs on the Optimal Water and Energy Supply Systems. Computer Aided Chemical Engineering, 2019, , 1207-1212.	0.3	0
128	A three-chamber electrochemical cell facilitated biogas upgrading and high-purity oxygen production. Journal of Applied Electrochemistry, 0, , 1.	1.5	0