

Robert H Reed

List of Publications by Year in descending order

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44
papers

1,240
citations

394421

19
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

755
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of Salinity upon Galactosyl-Glycerol Content and Concentration of the Marine Red Alga <i>Porphyra purpurea</i> (Roth) C.Ag.. <i>Journal of Experimental Botany</i> , 1980, 31, 1539-1554.	4.8	95
2	Multiphasic osmotic adjustment in a euryhaline cyanobacterium. <i>FEMS Microbiology Letters</i> , 1985, 28, 225-229.	1.8	86
3	The Inactivation of Microbes by Sunlight: Solar Disinfection as a Water Treatment Process. <i>Advances in Applied Microbiology</i> , 2004, 54, 333-365.	2.4	80
4	Copper toxicity and copper tolerance in <i>Enteromorpha compressa</i> (L.) Grev.. <i>Journal of Experimental Marine Biology and Ecology</i> , 1983, 69, 85-103.	1.5	74
5	Adaptation to salinity stress in populations of <i>Enteromorpha intestinalis</i> (L.) Link. <i>Estuarine and Coastal Marine Science</i> , 1979, 8, 251-258.	0.9	62
6	The osmotic responses of <i>Polysiphonia lanosa</i> (L.) Tandy from marine and estuarine sites: Evidence for incomplete recovery of turgor. <i>Journal of Experimental Marine Biology and Ecology</i> , 1983, 68, 169-193.	1.5	61
7	Osmotic shock-induced release of low molecular weight metabolites from free-living and immobilized cyanobacteria. <i>Enzyme and Microbial Technology</i> , 1986, 8, 101-104.	3.2	58
8	Na ⁺ uptake and extrusion in the cyanobacterium <i>Synechocystis</i> PCC6714 in response to hypersaline treatment. Evidence for transient changes in plasmalemma Na ⁺ permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 814, 347-355.	2.6	50
9	Characterization of the Transport of Potassium Ions in the Cyanobacterium <i>Anabaena variabilis</i> KutZ. <i>FEBS Journal</i> , 1981, 116, 323-330.	0.2	47
10	The physiological significance of mannitol accumulation in brown algae: the role of mannitol as a compatible cytoplasmic solute. <i>Phycologia</i> , 1985, 24, 449-457.	1.4	44
11	Nitrogenase Activity and Membrane Electrogenesis in the Cyanobacterium <i>Anabaena variabilis</i> KÅ¼tz. <i>FEBS Journal</i> , 2005, 115, 519-523.	0.2	39
12	Osmoacclimation in <i>Bangia atropurpurea</i> (Rhodophyta, Bangiales): the osmotic role of floridoside. <i>British Phycological Journal</i> , 1985, 20, 211-218.	1.2	35
13	Comparative effectiveness of solar disinfection using small-scale batch reactors with reflective, absorptive and transmissive rear surfaces. <i>Water Research</i> , 2006, 40, 721-727.	11.3	35
14	Evidence for turgor-sensitive K ⁺ influx in the cyanobacteria <i>Anabaena variabilis</i> ATCC29413 and <i>Synechocystis</i> PCC6714. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 812, 155-162.	2.6	34
15	The Effects of Salinity upon Ion Content and Ion Transport of the Marine Red Alga <i>Porphyra purpurea</i> (Roth) C.Ag.. <i>Journal of Experimental Botany</i> , 1981, 32, 347-367.	4.8	32
16	OSMOTIC ADJUSTMENT IN <i>LAMINARIA DIGITATA</i> (PHAEOPHYTA) WITH PARTICULAR REFERENCE TO SEASONAL CHANGES IN INTERNAL SOLUTE CONCENTRATIONS ¹ . <i>Journal of Phycology</i> , 1985, 21, 41-50.	2.3	30
17	Low-molecular mass carbohydrate accumulation in cyanobacteria from a marine microbial mat in response to salt. <i>FEMS Microbiology Letters</i> , 1987, 45, 305-312.	1.8	29
18	Components of the proton electrochemical potential gradient in <i>Anabaena variabilis</i> . <i>Biochemical Society Transactions</i> , 1980, 8, 707-708.	3.4	23

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19	Inactivation of <i>Escherichia coli</i> and coliform bacteria in traditional brass and earthenware water storage vessels. <i>Antonie Van Leeuwenhoek</i> , 2005, 88, 35-48.	1.7	22
20	Use and abuse of osmo-terminology.. <i>Plant, Cell and Environment</i> , 1984, 7, 165-170.	5.7	21
21	On the conspecificity of marine and freshwater <i>Bangia</i> in Britain. <i>British Phycological Journal</i> , 1980, 15, 411-416.	1.2	19
22	Nitrogenase Activity and Membrane Electrogenesis in the Cyanobacterium <i>Plectonema boryanum</i> . <i>FEBS Journal</i> , 1982, 127, 63-66.	0.2	19
23	Taxonomic implications of osmoacclimation in <i>Cyanidium caldarium</i> (Tilden) Geitler. <i>Phycologia</i> , 1983, 22, 351-354.	1.4	18
24	Transient breakdown in the selective permeability of the plasma membrane of <i>Chlorella emersonii</i> in response to hyperosmotic shock: Implications for cell water relations and osmotic adjustment. <i>Journal of Membrane Biology</i> , 1984, 82, 83-88.	2.1	18
25	Inactivation and injury of <i>Escherichia coli</i> in a copper water storage vessel: effects of temperature and pH. <i>Antonie Van Leeuwenhoek</i> , 2010, 97, 91-97.	1.7	18
26	Altritol in the brown alga <i>Himantalia elongata</i> . <i>Phytochemistry</i> , 1984, 23, 1081-1082.	2.9	17
27	Use and abuse of osmo-terminology. <i>Plant, Cell and Environment</i> , 1984, 7, 165-170.	5.7	17
28	Osmotic adjustment and organic solute accumulation in <i>Chaetomorpha capillaris</i> . <i>British Phycological Journal</i> , 1989, 24, 21-37.	1.2	16
29	The effects of extreme hyposaline stress upon <i>Polysiphonia lanosa</i> (L.) Tandy from marine and estuarine sites. <i>Journal of Experimental Marine Biology and Ecology</i> , 1984, 76, 131-144.	1.5	15
30	A Murine Model to Study the Antibacterial Effect of Copper on Infectivity of <i>Salmonella Enterica</i> Serovar Typhimurium. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 21-36.	2.6	14
31	Inactivation and sub-lethal injury of <i>salmonella typhi</i> , <i>salmonella typhimurium</i> and <i>vibrio cholerae</i> in copper water storage vessels. <i>BMC Infectious Diseases</i> , 2011, 11, 204.	2.9	14
32	Thin-film fixed-bed reactor for solar photocatalytic inactivation of <i>Aeromonas hydrophila</i> : influence of water quality. <i>BMC Microbiology</i> , 2012, 12, 285.	3.3	13
33	The effects of osmotic stress on intracellular hexitols in the marine brown alga <i>Himantalia elongata</i> (L.) S.F. Gray. <i>Journal of Experimental Marine Biology and Ecology</i> , 1985, 93, 183-190.	1.5	11
34	The effects of salt on nitrogen-fixation and ammonium assimilation in <i>Anabaena variabilis</i> . <i>British Phycological Journal</i> , 1987, 22, 411-416.	1.2	11
35	Inactivation and sub-lethal injury of <i>Escherichia coli</i> in a copper water storage vessel: effect of inorganic and organic constituents. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 103-115.	1.7	11
36	The ionic relations of <i>Porphyra purpurea</i> (Roth) C.Ag. (Rhodophyta, Bangiales). <i>Plant, Cell and Environment</i> , 1980, 3, 399-407.	5.7	10

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37	Thin-film fixed-bed reactor (TFFBR) for solar photocatalytic inactivation of aquaculture pathogen <i>Aeromonas hydrophila</i> . <i>BMC Microbiology</i> , 2012, 12, 5.	3.3	9
38	Membrane potential measurements of marine macroalgae: <i>Porphyra purpurea</i> and <i>Ulva lactuca</i> . <i>Plant, Cell and Environment</i> , 1981, 4, 257-260.	5.7	9
39	Membrane potential measurements of marine macroalgae: <i>Porphyra purpurea</i> and <i>Ulva lactuca</i> .. <i>Plant, Cell and Environment</i> , 1981, 4, 257-260.	5.7	6
40	The osmotic responses of <i>Saccharomyces cerevisiae</i> in K ⁺ -depleted medium. <i>FEMS Microbiology Letters</i> , 1991, 78, 89-94.	1.8	6
41	Gas-liquid chromatography of low molecular weight carbohydrates from marine macroalgae: a rapid direct extraction procedure using dimethyl sulphoxide. <i>British Phycological Journal</i> , 1984, 19, 381-383.	1.2	5
42	Survival & detection of the faecal indicator bacterium <i>Enterococcus faecalis</i> in water stored in traditional vessels. <i>Indian Journal of Medical Research</i> , 2007, 125, 557-66.	1.0	4
43	Hyperosmotic pretreatment of marine macroalgae prior to extraction of chlorophyll in methanol and dimethylformamide. <i>Phycologia</i> , 1988, 27, 477-484.	1.4	2
44	Discrimination between rubidium and potassium ions in <i>Anabaena variabilis</i> . <i>Biochemical Society Transactions</i> , 1980, 8, 709-710.	3.4	1