

Rod Lewis Oliver

List of Publications by Year in descending order

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35
papers

1,705
citations

393982

19
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyanobacterial dominance: The role of buoyancy regulation in dynamic lake environments. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1987, 21, 379-390.	0.8	384
2	FLOATING AND SINKING IN GAS-VACUOLATE CYANOBACTERIA1. <i>Journal of Phycology</i> , 1994, 30, 161-173.	1.0	176
3	Transitions between <i>Auhcoseira</i> and <i>Anabaena</i> dominance in a turbid river weir pool. <i>Limnology and Oceanography</i> , 1998, 43, 1902-1915.	1.6	123
4	Critical flow velocities for the growth and dominance of <i>Anabaena circinalis</i> in some turbid freshwater rivers. <i>Freshwater Biology</i> , 2003, 48, 164-174.	1.2	110
5	Freshwater Blooms. , 2000, , 149-194.		79
6	The influence of vertical mixing on the photoinhibition of variable chlorophyll a fluorescence and its inclusion in a model of phytoplankton photosynthesis. <i>Journal of Plankton Research</i> , 2003, 25, 1107-1129.	0.8	72
7	Measurements of cell density of three freshwater phytoplankters by density gradient centrifugation1. <i>Limnology and Oceanography</i> , 1981, 26, 285-294.	1.6	69
8	Partitioning of river metabolism identifies phytoplankton as a major contributor in the regulated Murray River (Australia). <i>Freshwater Biology</i> , 2006, 51, 1131-1148.	1.2	69
9	Carbon source accounting for fish using combined DNA and stable isotope analyses in a regulated lowland river weir pool. <i>Molecular Ecology</i> , 2010, 19, 197-212.	2.0	69
10	Going West: Nutrient Limitation of Primary Production in the Northern Gulf of Mexico and the Importance of the Atchafalaya River. <i>Aquatic Geochemistry</i> , 2011, 17, 519-544.	1.5	66
11	Growth of <i>Ceratium hirundinella</i> in a subtropical Australian reservoir: the role of vertical migration. <i>Journal of Plankton Research</i> , 2000, 22, 1025-1045.	0.8	58
12	Ecosystem science: toward a new paradigm for managing Australia's inland aquatic ecosystems. <i>Marine and Freshwater Research</i> , 2009, 60, 271.	0.7	52
13	Patterns of primary and heterotrophic productivity in an arid lowland river. <i>River Research and Applications</i> , 2007, 23, 1070-1087.	0.7	44
14	Physiology, Blooms and Prediction of Planktonic Cyanobacteria. , 2012, , 155-194.		42
15	Heterogeneity of cyanobacterial gas-vesicle volume and metabolic activity. <i>Journal of Plankton Research</i> , 2000, 22, 1579-1589.	0.8	38
16	The optical properties of a turbid reservoir and its phytoplankton in relation to photosynthesis and growth (Mount Bold Reservoir, South Australia). <i>Journal of Plankton Research</i> , 1988, 10, 1155-1177.	0.8	33
17	Title is missing!. <i>Aquatic Geochemistry</i> , 1999, 5, 167-194.	1.5	33
18	Influence of salinity on light conditions and phytoplankton growth in a turbid river. <i>River Research and Applications</i> , 2010, 26, 894-903.	0.7	30

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19	Optical properties, of waters in the Murray-Darling Basin, South-eastern Australia. <i>Marine and Freshwater Research</i> , 1990, 41, 581.	0.7	26
20	Temporal variability of dissolved P speciation in a eutrophic reservoir—implications for predicating algal growth. <i>Water Research</i> , 2003, 37, 4595-4598.	5.3	21
21	Distributions of Virus-Like Particles and Prokaryotes within Microenvironments. <i>PLoS ONE</i> , 2016, 11, e0146984.	1.1	20
22	The influence of vertical mixing on the photoinhibition of variable chlorophyll-a fluorescence and its inclusion in a model of phytoplankton photosynthesis. <i>Journal of Plankton Research</i> , 2013, 35, 927-927.	0.8	12
23	Extreme water level decline effects sediment distribution and composition in Lake Alexandrina, South Australia. <i>Limnology</i> , 2014, 15, 117-126.	0.8	12
24	Persistence, loss and appearance of bacteria upstream and downstream of a river system. <i>Marine and Freshwater Research</i> , 2017, 68, 851.	0.7	11
25	Optical closure in an ultraturbid lake. <i>Journal of Geophysical Research</i> , 1995, 100, 13221.	3.3	9
26	Fibre evanescent field absorption (FEFA): an optical fibre technique for measuring light absorption in turbid water samples. <i>Marine and Freshwater Research</i> , 2004, 55, 533.	0.7	9
27	The role of buoyancy in the distribution of <i>Anabaena</i> sp. in Lake Rotongaio. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1987, 21, 525-526.	0.8	8
28	Marine and giant viruses as indicators of a marine microbial community in a riverine system. <i>MicrobiologyOpen</i> , 2016, 5, 1071-1084.	1.2	8
29	Microeukaryote community composition assessed by pyrosequencing is associated with light availability and phytoplankton primary production along a lowland river. <i>Freshwater Biology</i> , 2013, 58, 2401-2413.	1.2	6
30	Microbial micropatches within microbial hotspots. <i>PLoS ONE</i> , 2018, 13, e0197224.	1.1	6
31	Microscale distributions of freshwater planktonic viruses and prokaryotes are patchy and taxonomically distinct. <i>Aquatic Microbial Ecology</i> , 2016, 77, 65-77.	0.9	6
32	The carbohydrate:protein ratio as a biological indicator of water movement. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1987, 21, 529-530.	0.8	2
33	Using non-photochemical quenching of chlorophylla fluorescence to assess the light climate and growth rate of the cyanobacterium <i>Anabaena circinalis</i> . <i>European Journal of Phycology</i> , 2003, 38, 113-122.	0.9	2
34	Does advection influence plankton life in Lake Biwa?. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1997, 26, 558-561.	0.1	0
35	Inland water quality monitoring in Australia. , 2013, , .		0