

Murray T Brown

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8452553/publications.pdf>

Version: 2024-02-01

93
papers

3,444
citations

136885

32
h-index

161767

54
g-index

94
all docs

94
docs citations

94
times ranked

3412
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlaboratory Validation of Toxicity Testing Using the Duckweed <i>Lemna minor</i> Root-Regrowth Test. <i>Biology</i> , 2022, 11, 37.	1.3	13
2	Commercial Potential of the Cyanobacterium <i>Arthrospira maxima</i> : Physiological and Biochemical Traits and the Purification of Phycocyanin. <i>Biology</i> , 2022, 11, 628.	1.3	10
3	Comparative phytoremediation potentials of <i>Impatiens balsamina</i> L. and <i>Crotalaria retusa</i> L. for soil contaminated with used lubricating oil. <i>Environmental Advances</i> , 2021, 5, 100095.	2.2	4
4	Photosynthetic Responses of Turf-forming Red Macroalgae to High CO_2 Conditions. <i>Journal of Phycology</i> , 2020, 56, 85-96.	1.0	14
5	Tolerance of <i>Impatiens balsamina</i> L., and <i>Crotalaria retusa</i> L. to grow on soil contaminated by used lubricating oil: A comparative study. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109911.	2.9	6
6	Antarctic intertidal macroalgae under predicted increased temperatures mediated by global climate change: Would they cope?. <i>Science of the Total Environment</i> , 2020, 740, 140379.	3.9	9
7	MAPK Pathway under Chronic Copper Excess in Green Macroalgae (Chlorophyta): Involvement in the Regulation of Detoxification Mechanisms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4546.	1.8	16
8	MAPK Pathway under Chronic Copper Excess in Green Macroalgae (Chlorophyta): Influence on Metal Exclusion/Extrusion Mechanisms and Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4547.	1.8	14
9	Cadmium and/or copper excess induce interdependent metal accumulation, DNA methylation, induction of metal chelators and antioxidant defences in the seagrass <i>Zostera marina</i> . <i>Chemosphere</i> , 2019, 224, 111-119.	4.2	40
10	Reappraisal of the toxicity test method using the green alga <i>Ulva pertusa</i> Kjellman (Chlorophyta). <i>Journal of Hazardous Materials</i> , 2019, 369, 763-769.	6.5	14
11	Copper excess detoxification is mediated by a coordinated and complementary induction of glutathione, phytochelatins and metallothioneins in the green seaweed <i>Ulva compressa</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 135, 423-431.	2.8	47
12	Toxicity testing of cosmetic ingredients using gametophyte beads of the brown alga <i>Undaria pinnatifida</i> (Laminariales, Phaeophyta). <i>Journal of Applied Phycology</i> , 2019, 31, 2011-2023.	1.5	3
13	Ecophysiological and metabolic responses to interactive exposure to nutrients and copper excess in the brown macroalga <i>Cystoseira tamariscifolia</i> . <i>Marine Pollution Bulletin</i> , 2018, 128, 214-222.	2.3	25
14	Application of field-portable-XRF for the determination of trace elements in deciduous leaves from a mine-impacted region. <i>Chemosphere</i> , 2018, 209, 928-934.	4.2	23
15	Phaeoviral Infections Are Present in <i>Macrocystis</i> , <i>Ecklonia</i> and <i>Undaria</i> (Laminariales) and Are Influenced by Wave Exposure in Ectocarpales. <i>Viruses</i> , 2018, 10, 410.	1.5	12
16	Toxicity testing using the marine macroalga <i>Ulva pertusa</i> . , 2018, , 119-142.		3
17	Implications of rising temperatures for gametophyte performance of two kelp species from Arctic waters. <i>Botanica Marina</i> , 2017, 60, 39-48.	0.6	19
18	Comparative assessment of single and joint effects of diuron and Irgarol 1051 on Arctic and temperate microalgae using chlorophyll a fluorescence imaging. <i>Ecological Indicators</i> , 2017, 76, 304-316.	2.6	13

#	ARTICLE	IF	CITATIONS
19	In situ determination of trace elements in <i>Fucus</i> spp. by field-portable-XRF. <i>Science of the Total Environment</i> , 2017, 593-594, 227-235.	3.9	32
20	Phaeoviruses discovered in kelp (Laminariales). <i>ISME Journal</i> , 2017, 11, 2869-2873.	4.4	24
21	Comparing the acute sensitivity of growth and photosynthetic endpoints in three <i>Lemna</i> species exposed to four herbicides. <i>Environmental Pollution</i> , 2017, 220, 818-827.	3.7	33
22	Novel use of field-portable-XRF for the direct analysis of trace elements in marine macroalgae. <i>Environmental Pollution</i> , 2017, 220, 228-233.	3.7	38
23	The sensitivity of an hydroponic lettuce root elongation bioassay to metals, phenol and wastewaters. <i>Ecotoxicology and Environmental Safety</i> , 2016, 126, 147-153.	2.9	30
24	Toxicity tests using the kelp <i>Undaria pinnatifida</i> for heavy metal risk assessment. <i>Toxicology and Environmental Health Sciences</i> , 2016, 8, 86-95.	1.1	11
25	<i>Cymodocea nodosa</i> metrics as bioindicators of anthropogenic stress in N. Aegean, Greek coastal waters. <i>Ecological Indicators</i> , 2016, 63, 61-70.	2.6	18
26	Application of the <i>Ulva pertusa</i> bioassay for a toxicity identification evaluation and reduction of effluent from a wastewater treatment plant. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	10
27	Accumulation of silver by <i>Fucus</i> spp. (Phaeophyceae) and its toxicity to <i>Fucus ceranoides</i> under different salinity regimes. <i>Ecotoxicology</i> , 2015, 24, 1250-1258.	1.1	3
28	A novel field transplantation technique reveals intra-specific metal-induced oxidative responses in strains of <i>Ectocarpus siliculosus</i> with different pollution histories. <i>Environmental Pollution</i> , 2015, 199, 130-138.	3.7	21
29	Response differences between <i>Ectocarpus siliculosus</i> populations to copper stress involve cellular exclusion and induction of the phytochelatin biosynthetic pathway. <i>Aquatic Toxicology</i> , 2015, 159, 167-175.	1.9	31
30	Intra-specific responses of <i>Cymodocea nodosa</i> to macro-nutrient, irradiance and copper exposure. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 469, 113-122.	0.7	32
31	Enzymatic antioxidant defences are transcriptionally regulated in Es524, a copper-tolerant strain of <i>Ectocarpus siliculosus</i> (Ectocarpales, Phaeophyceae). <i>Phycologia</i> , 2015, 54, 425-429.	0.6	12
32	Copper-induced intra-specific oxidative damage and antioxidant responses in strains of the brown alga <i>Ectocarpus siliculosus</i> with different pollution histories. <i>Aquatic Toxicology</i> , 2015, 159, 81-89.	1.9	57
33	A Novel Evolutionary Strategy Revealed in the Phaeoviruses. <i>PLoS ONE</i> , 2014, 9, e86040.	1.1	14
34	A Simple and Effective Method for High Quality Co-Extraction of Genomic DNA and Total RNA from Low Biomass <i>Ectocarpus siliculosus</i> , the Model Brown Alga. <i>PLoS ONE</i> , 2014, 9, e96470.	1.1	48
35	Extra- and intra-cellular accumulation of platinum group elements by the marine microalga, <i>Chlorella stigmatophora</i> . <i>Water Research</i> , 2014, 50, 432-440.	5.3	15
36	Ultraviolet radiation and cyanobacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 154-169.	1.7	152

#	ARTICLE	IF	CITATIONS
37	A novel bioassay using root re-growth in <i>Lemna</i> . <i>Aquatic Toxicology</i> , 2013, 140-141, 415-424.	1.9	22
38	Accumulation of Aqueous and Nanoparticulate Silver by the Marine Gastropod <i>Littorina littorea</i> . <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	20
39	Metal accumulation kinetics by the estuarine macroalga, <i>FucusÂceranoides</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2013, 128, 33-40.	0.9	9
40	Phenol toxicity to the aquatic macrophyte <i>Lemna paucicostata</i> . <i>Aquatic Toxicology</i> , 2012, 106-107, 182-188.	1.9	71
41	UV-B affects photosynthesis, ROS production and motility of the freshwater flagellate, <i>Euglena agilis</i> Carter. <i>Aquatic Toxicology</i> , 2012, 122-123, 206-213.	1.9	65
42	Influence of salinity on metal toxicity to <i>Ulva pertusa</i> . <i>Toxicology and Environmental Health Sciences</i> , 2012, 4, 9-13.	1.1	16
43	Interactions of silver nanoparticles with the marine macroalga, <i>Ulva lactuca</i> . <i>Ecotoxicology</i> , 2012, 21, 148-154.	1.1	61
44	Inter-population comparisons of copper resistance and accumulation in the red seaweed, <i>Gracilariopsis longissima</i> . <i>Ecotoxicology</i> , 2012, 21, 591-600.	1.1	12
45	Variation in Patterns of Metal Accumulation in Thallus Parts of <i>Lessonia trabeculata</i> (Laminariales;) Tj ETQq1 1 0.784314 rgBT ₃₃ /Overlo	1.1	33
46	Bioaccumulation of metals by <i>Fucus ceranoides</i> in estuaries of South West England. <i>Marine Pollution Bulletin</i> , 2011, 62, 2557-2562.	2.3	24
47	Toxicity of the amphoteric surfactant, cocamidopropyl betaine, to the marine macroalga, <i>Ulva lactuca</i> . <i>Ecotoxicology</i> , 2011, 20, 202-207.	1.1	15
48	Sensitivity of spore germination and germ tube elongation of <i>Saccharina japonica</i> to metal exposure. <i>Ecotoxicology</i> , 2011, 20, 2056-2068.	1.1	11
49	Toxicity of Synthetic Surfactants to the Marine Macroalga, <i>Ulva lactuca</i> . <i>Water, Air, and Soil Pollution</i> , 2011, 218, 283-291.	1.1	38
50	Aquatic toxicity tests of <i>Ulva pertusa</i> Kjellman (Ulvales, Chlorophyta) using spore germination and gametophyte growth. <i>European Journal of Phycology</i> , 2009, 44, 357-363.	0.9	11
51	Accumulation of Cu and Zn in discarded antifouling paint particles by the marine gastropod, <i>Littorina littorea</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2009, 84, 447-452.	0.9	24
52	Genotoxicity of organic pollutants in source of drinking water on microalga <i>Euglena gracilis</i> . <i>Ecotoxicology</i> , 2009, 18, 669-676.	1.1	26
53	Processing of antifouling paint particles by <i>Mytilus edulis</i> . <i>Environmental Pollution</i> , 2009, 157, 215-220.	3.7	23
54	Accumulation of Cu and Zn from antifouling paint particles by the marine macroalga, <i>Ulva lactuca</i> . <i>Environmental Pollution</i> , 2009, 157, 2314-2319.	3.7	47

#	ARTICLE	IF	CITATIONS
55	Influence of salinity and humic substances on the uptake of trace metals by the marine macroalga, <i>Ulva lactuca</i> : Experimental observations and modelling using WHAM. <i>Marine Chemistry</i> , 2008, 110, 176-184.	0.9	41
56	Physiological responses of <i>Ulva pertusa</i> and <i>U. armoricana</i> to copper exposure. <i>Aquatic Toxicology</i> , 2008, 86, 176-184.	1.9	98
57	Spore release by the green alga <i>Ulva</i> : A quantitative assay to evaluate aquatic toxicants. <i>Environmental Pollution</i> , 2008, 153, 699-705.	3.7	19
58	Influence of synthetic surfactants on the uptake of Pd, Cd and Pb by the marine macroalga, <i>Ulva lactuca</i> . <i>Environmental Pollution</i> , 2008, 156, 897-904.	3.7	25
59	Concentrations of phytochelatins and glutathione found in natural assemblages of seaweeds depend on species and metal concentrations of the habitat. <i>Aquatic Toxicology</i> , 2007, 83, 190-199.	1.9	80
60	Evaluating Aquatic Toxicity by Visual Inspection of Thallus Color in the Green Macroalga <i>Ulva</i> : A Testing a Novel Bioassay. <i>Environmental Science & Technology</i> , 2007, 41, 3667-3671.	4.6	25
61	Uptake of platinum group elements by the marine macroalga, <i>Ulva lactuca</i> . <i>Marine Chemistry</i> , 2007, 105, 271-280.	0.9	49
62	Solar PAR and UV radiation affects the physiology and morphology of the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 89, 117-124.	1.7	94
63	Prior exposure to Cu contamination influences the outcome of toxicological testing of <i>Fucus serratus</i> embryos. <i>Marine Pollution Bulletin</i> , 2005, 50, 1675-1680.	2.3	13
64	The effects of a PSII inhibitor on phytoplankton community structure as assessed by HPLC pigment analyses, microscopy and flow cytometry. <i>Aquatic Toxicology</i> , 2005, 71, 25-38.	1.9	29
65	Comparison of three techniques for identifying isomorphic phases of <i>Chondrus crispus</i> (Gigartinales). <i>Journal of Applied Phycology</i> , 2004, 16, 447-450.	1.5	13
66	The interactive effects of the antifouling herbicides Irgarol 1051 and Diuron on the seagrass <i>Zostera marina</i> (L.). <i>Aquatic Toxicology</i> , 2004, 66, 293-305.	1.9	138
67	Cellular responses of developing <i>Fucus serratus</i> embryos exposed to elevated concentrations of Cu ²⁺ . <i>Plant, Cell and Environment</i> , 2003, 26, 1737-1747.	2.8	32
68	Inter-population differences in inherited copper tolerance involve photosynthetic adaptation and exclusion mechanisms in <i>Fucus serratus</i> . <i>New Phytologist</i> , 2003, 160, 157-165.	3.5	91
69	Cesium-137 concentrations in marine macroalgae from different biotopes in the Aegean Sea (Greece). <i>Ecotoxicology and Environmental Safety</i> , 2003, 54, 249-254.	2.9	11
70	Physiological responses of <i>Gracilariopsis longissima</i> (S.G. Gmelin) Steentoft, L.M. Irvine and Farnham (Rhodophyceae) to sub-lethal copper concentrations. <i>Aquatic Toxicology</i> , 2003, 64, 201-213.	1.9	38
71	Spatiotemporal Patterning of Reactive Oxygen Production and Ca ²⁺ Wave Propagation in <i>Fucus</i> Rhizoid Cells. <i>Plant Cell</i> , 2002, 14, 2369-2381.	3.1	154
72	A modified toxicity testing method using tropical marine microalgae. <i>Environmental Monitoring and Assessment</i> , 2002, 75, 145-154.	1.3	33

#	ARTICLE	IF	CITATIONS
73	Trace metal concentrations in marine macroalgae from different biotopes in the Aegean Sea. <i>Environment International</i> , 2001, 27, 43-47.	4.8	88
74	Cellular responses to elevated light levels in <i>Fucus spiralis</i> embryos during the first days after fertilization. <i>Plant, Cell and Environment</i> , 2001, 24, 801-810.	2.8	15
75	Impacts of anthropogenic stresses on the early development stages of seaweeds. <i>Hydrobiologia</i> , 2000, 7, 317-333.	1.0	106
76	Evaluating environmental contamination in Ria Formosa (Portugal) using stress indexes of <i>Spartina maritima</i> . <i>Marine Environmental Research</i> , 2000, 49, 67-78.	1.1	58
77	Copper, copper mine tailings and their effect on marine algae in Northern Chile. , 1999, , 571-581.		3
78	Arrested development in <i>Fucus spiralis</i> (Phaeophyceae) germlings exposed to copper. <i>European Journal of Phycology</i> , 1999, 34, 513-521.	0.9	27
79	THE RELEASE OF COPPER-COMPLEXING LIGANDS BY THE BROWN ALGA <i>FUCUS VESICULOSUS</i> (PHAEOPHYCEAE) IN RESPONSE TO INCREASING TOTAL COPPER LEVELS. <i>Journal of Phycology</i> , 1999, 35, 501-509.	1.0	69
80	Copper, copper mine tailings and their effect on marine algae in Northern Chile. <i>Journal of Applied Phycology</i> , 1999, 11, 57-67.	1.5	64
81	Spatial and temporal variations in the copper and zinc concentrations of two green seaweeds from Otago Harbour, New Zealand.. <i>Marine Environmental Research</i> , 1999, 47, 175-184.	1.1	48
82	Comparison of techniques for the removal of particulate material from seaweed tissue. <i>Marine Environmental Research</i> , 1998, 45, 295-307.	1.1	22
83	Determinants of trace metal concentrations in marine organisms. , 1998, , 185-217.		48
84	Preliminary assessment of the seaweed <i>Porphyra purpurea</i> in artificial diets for thick-lipped grey mullet (<i>Chelon labrosus</i>). <i>Aquaculture</i> , 1997, 152, 249-258.	1.7	62
85	THE TOXICITY OF COPPER (II) SPECIES TO MARINE ALGAE, WITH PARTICULAR REFERENCE TO MACROALGAE. <i>Journal of Phycology</i> , 1997, 33, 2-11.	1.0	145
86	Mass distribution in the fronds of <i>macrocystis pyrifera</i> from New Zealand and California. <i>Hydrobiologia</i> , 1993, 260-261, 57-65.	1.0	5
87	Mass distribution in the fronds of <i>macrocystis pyrifera</i> from New Zealand and California. , 1993, , 57-65.		4
88	Alginate content and composition of <i>Macrocystis pyrifera</i> from New Zealand. <i>Journal of Applied Phycology</i> , 1992, 4, 357-369.	1.5	47
89	The involvement of epiphytic bacteria in zinc concentration by the red alga <i>Gracilaria sordida</i> . <i>Marine Environmental Research</i> , 1991, 31, 55-67.	1.1	21
90	Growth and reproduction of <i>Porphyra columbina</i> Mont. (Bangiales, Rhodophyceae) from southern New Zealand. <i>Journal of Applied Phycology</i> , 1990, 2, 35-44.	1.5	15

#	ARTICLE	IF	CITATIONS
91	Macrocystis pyrifera in New Zealand: testing two mathematical models for whole plant growth. Journal of Applied Phycology, 1990, 2, 249-257.	1.5	14
92	ZINC TOLERANCE IN BETULA. New Phytologist, 1985, 99, 91-100.	3.5	31
93	ZINC TOLERANCE OF MYCORRHIZAL BETULA. New Phytologist, 1985, 99, 101-106.	3.5	175