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List of Publications by Year in descending order

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89
papers

3,816
citations

117625

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133252

59
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91
all docs

91
docs citations

91
times ranked

4270
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Sensing Techniques to Assess Water Quality. Photogrammetric Engineering and Remote Sensing, 2003, 69, 695-704.	0.6	385
2	A review of cyanobacterial odorous and bioactive metabolites: Impacts and management alternatives in aquaculture. Aquaculture, 2008, 280, 5-20.	3.5	286
3	Ecophysiological Examination of the Lake Erie <i>Microcystis</i> Bloom in 2014: Linkages between Biology and the Water Supply Shutdown of Toledo, OH. Environmental Science & Technology, 2017, 51, 6745-6755.	10.0	196
4	Rapid analysis of geosmin and 2-methylisoborneol in water using solid phase micro extraction procedures. Water Research, 1998, 32, 2140-2146.	11.3	175
5	Confirmation of catfish, <i>Ictalurus punctatus</i> (Rafinesque), mortality from <i>Microcystis</i> toxins. Journal of Fish Diseases, 2001, 24, 41-47.	1.9	149
6	Remote estimation of chlorophyll concentration in hyper-eutrophic aquatic systems: Model tuning and accuracy optimization. Aquaculture, 2006, 256, 272-286.	3.5	131
7	Succession and toxicity of <i>Microcystis</i> and <i>Anabaena</i> (<i>Dolichospermum</i>) blooms are controlled by nutrient-dependent allelopathic interactions. Harmful Algae, 2018, 74, 67-77.	4.8	122
8	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry. Molecular BioSystems, 2015, 11, 2808-2820.	2.9	104
9	Phytoplankton and bacterial assemblages in ballast water of U.S. military ships as a function of port of origin, voyage time, and ocean exchange practices. Harmful Algae, 2007, 6, 486-518.	4.8	102
10	The presence of the cyanobacterial toxin microcystin in black band disease of corals. FEMS Microbiology Letters, 2007, 272, 182-187.	1.8	87
11	Detecting Sugarcane yellow leaf virus infection in asymptomatic leaves with hyperspectral remote sensing and associated leaf pigment changes. Journal of Virological Methods, 2010, 167, 140-145.	2.1	82
12	Cyanobacterial bioactive metabolites—A review of their chemistry and biology. Harmful Algae, 2019, 83, 42-94.	4.8	80
13	Technology, complexity and change in agricultural production systems. Renewable Agriculture and Food Systems, 2008, 23, 285-295.	1.8	78
14	Instrumental versus sensory detection of off-flavors in farm-raised channel catfish. Aquaculture, 2004, 236, 309-319.	3.5	76
15	Plankton community responses in earthen channel catfish nursery ponds under various fertilization regimes. Aquaculture, 2004, 233, 219-235.	3.5	69
16	A PCR-BASED TEST TO ASSESS THE POTENTIAL FOR MICROCYSTIN OCCURRENCE IN CHANNEL CATFISH PRODUCTION PONDS ^{1,2} . Journal of Phycology, 2002, 38, 230-233.	2.3	66
17	EVALUATING THE RELATIONSHIP BETWEEN PHOTOPIGMENT SYNTHESIS AND 2-METHYLISOBORNEOL ACCUMULATION IN CYANOBACTERIA. Journal of Phycology, 1999, 35, 1422-1429.	2.3	65
18	Identification of toxic fatty acid amides isolated from the harmful alga <i>Prymnesium parvum</i> carter. Harmful Algae, 2012, 20, 111-116.	4.8	61

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19	A synoptic survey of musty/muddy odor metabolites and microcystin toxin occurrence and concentration in southeastern USA channel catfish (<i>Ictalurus punctatus</i> Rafinesque) production ponds. <i>Aquaculture</i> , 2003, 218, 81-87.	3.5	58
20	Host selection and stochastic effects influence bacterial community assembly on the microalgal phycosphere. <i>Algal Research</i> , 2019, 40, 101489.	4.6	58
21	Using Microwave Distillation-Solid-Phase Microextraction-Gas Chromatography-Mass Spectrometry for Analyzing Fish Tissue. <i>Journal of Chromatographic Science</i> , 2000, 38, 289-296.	1.4	56
22	Identification of euglenophycin " A toxin found in certain euglenoids. <i>Toxicon</i> , 2010, 55, 100-104.	1.6	56
23	A remote sensing method for estimating regional reservoir area and evaporative loss. <i>Journal of Hydrology</i> , 2017, 555, 213-227.	5.4	52
24	Quantification of epiphyte removal efficiency from submersed aquatic plants. <i>Aquatic Botany</i> , 1997, 58, 173-179.	1.6	51
25	Co-occurrence of white shrimp, <i>Litopenaeus vannamei</i> , mortalities and microcystin toxin in a southeastern USA shrimp facility. <i>Aquaculture</i> , 2006, 261, 1048-1055.	3.5	50
26	Possible mechanism for the foodweb transfer of covalently bound microcystins. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 757-761.	6.0	50
27	Effects of Various Dietary Carotenoid Pigments on Fillet Appearance and Pigment Absorption in Channel Catfish, <i>Ictalurus punctatus</i> . <i>Journal of the World Aquaculture Society</i> , 2007, 38, 557-563.	2.4	47
28	Short-Term Effect of Diuron on Catfish Pond Ecology. <i>North American Journal of Aquaculture</i> , 2002, 64, 16-23.	1.4	45
29	Some Limiting Factors in Superintensive Production of Juvenile Pacific White Shrimp, <i>Litopenaeus vannamei</i> , in No-water-exchange, Biofloc-dominated Systems. <i>Journal of the World Aquaculture Society</i> , 2016, 47, 396-413.	2.4	43
30	Identification of euglenoid algae that produce ichthyotoxin(s). <i>Journal of Fish Diseases</i> , 2004, 27, 115-117.	1.9	41
31	The contribution of fatty acid amides to <i>Prymnesium parvum</i> Carter toxicity. <i>Harmful Algae</i> , 2012, 20, 117-125.	4.8	40
32	Algae " a poor man's HAART?. <i>Medical Hypotheses</i> , 2004, 62, 507-510.	1.5	37
33	Darkness at the break of noon: Phytoplankton production in the Lower Mississippi River. <i>Limnology and Oceanography</i> , 2013, 58, 555-568.	3.1	36
34	Identification of a new "science cyanobacterium, <i>Toxifilum mysidocida</i> gen. nov. & sp. nov. (Cyanobacteria, Cyanophyceae). <i>Journal of Phycology</i> , 2017, 53, 188-197.	2.3	33
35	Effects of Two Densities of Caged Monosex Nile Tilapia, <i>Oreochromis niloticus</i> , on Water Quality, Phytoplankton Populations, and Production When Polycultured with <i>Macrobrachium rosenbergii</i> in Temperate Ponds. <i>Journal of the World Aquaculture Society</i> , 2007, 38, 367-382.	2.4	31
36	Resolving Mixed Algal Species in Hyperspectral Images. <i>Sensors</i> , 2014, 14, 1-21.	3.8	30

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37	Phytoplankton Community Structure, Biomass, and Off-flavor: Pond Size Relationships in Louisiana Catfish Ponds. <i>Journal of the World Aquaculture Society</i> , 2001, 32, 96-104.	2.4	28
38	Euglenophycin is produced in at least six species of euglenoid algae and six of seven strains of <i>Euglena sanguinea</i> . <i>Harmful Algae</i> , 2017, 63, 79-84.	4.8	25
39	Trichophycin A, a Cytotoxic Linear Polyketide Isolated from a <i>Trichodesmium thiebautii</i> Bloom. <i>Marine Drugs</i> , 2017, 15, 10.	4.6	25
40	An improved phycobilin extraction method. <i>Harmful Algae</i> , 2012, 17, 35-39.	4.8	24
41	Agrochemical and Nutrient Impacts on Estuaries and Other Aquatic Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4382-4384.	5.2	22
42	The Metabolome of a Cyanobacterial Bloom Visualized by MS/MS-Based Molecular Networking Reveals New Neurotoxic Smenamide Analogs (C, D, and E). <i>Frontiers in Chemistry</i> , 2018, 6, 316.	3.6	21
43	The Influence of Bacteria on the Growth, Lipid Production, and Extracellular Metabolite Accumulation by <i>Phaeodactylum tricornutum</i> (Bacillariophyceae). <i>Journal of Phycology</i> , 2021, 57, 931-940.	2.3	20
44	Geographic Variation in the Mating Call of the Green Treefrog <i>Hyla cinerea</i> . <i>American Midland Naturalist</i> , 1988, 119, 101.	0.4	19
45	Evaluation of Ferulic Acid for Controlling the Musty-Odor Cyanobacterium, <i>Oscillatoria perornata</i> , in Aquaculture Ponds. <i>Journal of Applied Aquaculture</i> , 2000, 10, 1-16.	1.4	19
46	Pond age- water column trophic relationships in channel catfish <i>Ictalurus punctatus</i> production ponds. <i>Aquaculture</i> , 2003, 219, 291-301.	3.5	19
47	Evaluation of geosmin and 2-methylisoborneol off-flavour in smoked rainbow trout fillets using instrumental and sensory analyses. <i>Aquaculture Research</i> , 2012, 43, 149-153.	1.8	19
48	Antiproliferative Activities of Lesser Galangal (<i>Alpinia officinarum</i> Hance Jam1), Turmeric (<i>Curcuma longa</i> L.), and Ginger (<i>Zingiber officinale</i> Rosc.) Against Acute Monocytic Leukemia. <i>Journal of Medicinal Food</i> , 2013, 16, 647-655.	1.5	18
49	A Multiplex Analysis of Potentially Toxic Cyanobacteria in Lake Winnipeg during the 2013 Bloom Season. <i>Toxins</i> , 2019, 11, 587.	3.4	16
50	Pond Fertilization Does Not Affect Nutritional Value of Zooplankton in Channel Catfish Nursery Ponds. <i>North American Journal of Aquaculture</i> , 2003, 65, 248-254.	1.4	15
51	Spatial and temporal variation in phytoplankton community structure in a southeastern U.S. reservoir determined by HPLC and light microscopy. <i>Hydrobiologia</i> , 2008, 600, 215-228.	2.0	15
52	Minerals and Trace Elements in Microalgae. , 2018, , 177-193.		15
53	Benthic microalgae serve as the major food resource for porcelain crabs (<i>Petrolisthes</i> spp.) in oyster reefs: Digestive track content and pigment evidence. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016, 483, 53-58.	1.5	14
54	Structure revision of trichotoxin, a chlorinated polyketide isolated from a <i>Trichodesmium thiebautii</i> bloom. <i>Tetrahedron Letters</i> , 2016, 57, 5864-5867.	1.4	14

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55	Tricholides A and B and Unnarmicin D: New Hybrid PKS-NRPS Macrocycles Isolated from an Environmental Collection of <i>Trichodesmium thiebautii</i> . <i>Marine Drugs</i> , 2017, 15, 206.	4.6	14
56	A new boring toxin producer “ <i>Perforafilum tunnelli</i> gen</i>. & <i>sp. nov</i>. (Oscillatoriales, Cyanobacteria) isolated from Laguna Madre, Texas, USA. <i>Phycologia</i>, 2021, 60, 10-24.</i>	1.4	14
57	Preliminary Assessment of Microbial Community Structure of Wind-Tidal Flats in the Laguna Madre, Texas, USA. <i>Biology</i> , 2020, 9, 183.	2.8	13
58	Effects of land management practices on water quality in Mississippi Delta oxbow lakes: Biochemical and microbiological aspects. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 214-223.	5.3	12
59	Therapeutic effects of the euglenoid ichthyotoxin, euglenophycin, in colon cancer. <i>Oncotarget</i> , 2017, 8, 104347-104358.	1.8	12
60	<i>Odorella benthonicagen. & sp. nov.</i> (Pleurocapsales, Cyanobacteria): an odor and prolific toxin producer isolated from a California aqueduct. <i>Journal of Phycology</i> , 2019, 55, 509-520.	2.3	12
61	Extracting Impervious Surface from Aerial Imagery Using Semi-Automatic Sampling and Spectral Stability. <i>Remote Sensing</i> , 2020, 12, 506.	4.0	12
62	CARBON FIXATION IN CULTURED MARINE BENTHIC DIATOMS1. <i>Journal of Phycology</i> , 1990, 26, 306-311.	2.3	11
63	Augmenting Anti-Cancer Natural Products with a Small Molecule Adjuvant. <i>Marine Drugs</i> , 2015, 13, 65-75.	4.6	11
64	Phosphatidylcholine composition of pulmonary surfactant from terrestrial and marine diving mammals. <i>Respiratory Physiology and Neurobiology</i> , 2015, 211, 29-36.	1.6	11
65	Long-term trends in seasonal plankton dynamics in Lake Mead (Nevada-Arizona, USA) and implications for climate change. <i>Hydrobiologia</i> , 2018, 822, 85-109.	2.0	11
66	A Comparison of Salinity Effects from Hurricanes Dolly (2008) and Alex (2010) in a Texas Lagoon System. <i>Journal of Coastal Research</i> , 2018, 34, 1429.	0.3	11
67	Hydrogen peroxide, an ecofriendly remediation method for controlling <i>Microcystis aeruginosa</i> toxic blooms. <i>Journal of Applied Phycology</i> , 2020, 32, 3133-3142.	2.8	11
68	EFFECTS OF NUTRIENT ENRICHMENT ON PRIMARY PRODUCTION AND BIOMASS OF SEDIMENT MICROALGAE IN A SUBTROPICAL SEAGRASS BED¹. <i>Journal of Phycology</i> , 2008, 44, 874-881.	2.3	10
69	Analyzing the effects of estuarine freshwater fluxes on fish abundance using artificial neural network ensembles. <i>Ecological Modelling</i> , 2017, 359, 103-116.	2.5	10
70	Trichothiazole A, a dichlorinated polyketide containing an embedded thiazole isolated from <i>Trichodesmium</i> blooms. <i>Tetrahedron Letters</i> , 2017, 58, 4066-4068.	1.4	10
71	Environmental stressors and lipid production by <i>Dunaliella</i> spp. I. Salinity. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 487, 18-32.	1.5	10
72	Selective toxicity of exogenous L-lysine to cyanobacteria, relative to a chlorophyte and a diatom. <i>Phycologia</i> , 2001, 40, 483-486.	1.4	9

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73	POTENTIAL FOR REMOTE SENSING FROM AGRICULTURAL AIRCRAFT USING DIGITAL VIDEO. Applied Engineering in Agriculture, 2005, 21, 531-537.	0.7	9
74	Cyanobufalins: Cardioactive Toxins from Cyanobacterial Blooms. Journal of Natural Products, 2018, 81, 2576-2581.	3.0	9
75	Impact of Copper Sulfate on Plankton in Channel Catfish Nursery Ponds. Journal of the World Aquaculture Society, 2009, 40, 122-128.	2.4	8
76	Genomic identification and characterization of co-occurring Harveyi clade species following a vibriosis outbreak in Pacific white shrimp, Penaeus (Litopenaeus) vannamei. Aquaculture, 2020, 518, 734628.	3.5	8
77	Quantitative Mass Spectrometric Analysis and Post-Extraction Stability Assessment of the Euglenoid Toxin Euglenophycin. Toxins, 2013, 5, 1587-1596.	3.4	7
78	GREEN TREE FROG (HYLA CINEREA) AND GROUND SQUIRREL (XEROSPERMOPHILUS SPILOSOMA) MORTALITY ATTRIBUTED TO INLAND BREVETOXIN TRANSPORT AT PADRE ISLAND NATIONAL SEASHORE, TEXAS, USA, 2015. Journal of Wildlife Diseases, 2018, 54, 142.	0.8	7
79	A New Pseudoinvariant Near-Infrared Threshold Method for Relative Radiometric Correction of Aerial Imagery. Remote Sensing, 2019, 11, 1931.	4.0	6
80	Impact of weather on off-flavour episodes at a Louisiana commercial catfish farm. Aquaculture Research, 2009, 40, 566-574.	1.8	4
81	Effects of Smallmouth Buffalo and Potassium Permanganate Treatment on Plankton and Pond Water Quality. North American Journal of Aquaculture, 2006, 68, 36-40.	1.4	2
82	Initial influence of fertilizer nitrogen types on water quality. Aquaculture Research, 2009, 41, 968.	1.8	2
83	Does Pond Water Reflectance Influence Double-crested Cormorant Selection of Aquaculture Ponds?. Journal of the World Aquaculture Society, 0, 41, 430-437.	2.4	2
84	Fairy, tadpole, and clam shrimps (Branchiopoda) in seasonally inundated clay pans in the western Mojave Desert and effect on primary producers. Saline Systems, 2010, 6, 11.	2.0	2
85	Assessment of Zooplankton Size Fractionation for Monitoring Fry and Fingerling Culture Ponds. North American Journal of Aquaculture, 2001, 63, 289-292.	1.4	1
86	Spectral unmixing of three-algae mixtures using hyperspectral images. , 2013, , .		1
87	Scope for growth of Texas Bay scallop <i>Argopecten irradians amplicostatus</i> . Journal of Applied Aquaculture, 2019, 31, 140-152.	1.4	1
88	Empirical mode decomposition of hyperspectral images for segmentation of seagrass coverage. , 2014, , .		0
89	Mapping pigment distribution in mud samples through hyperspectral imaging. Proceedings of SPIE, 2015, , .	0.8	0