

# paul zimba

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/737325/publications.pdf>

Version: 2024-02-01

89  
papers

3,816  
citations

117625

34  
h-index

133252

59  
g-index

91  
all docs

91  
docs citations

91  
times ranked

4270  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new boring toxin producer " <i>Perforafilum tunnelli</i> gen. & sp. nov. (Oscillatoriales, Cyanobacteria) isolated from Laguna Madre, Texas, USA. <i>Phycologia</i> , 2021, 60, 10-24.	1.4	14
2	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
3	Genomic identification and characterization of co-occurring Harveyi clade species following a vibriosis outbreak in Pacific white shrimp, <i>Penaeus (Litopenaeus) vannamei</i> . <i>Aquaculture</i> , 2020, 518, 734628.	3.5	8
4	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
5	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
6	Extracting Impervious Surface from Aerial Imagery Using Semi-Automatic Sampling and Spectral Stability. <i>Remote Sensing</i> , 2020, 12, 506.	4.0	12
7	A New Pseudoinvariant Near-Infrared Threshold Method for Relative Radiometric Correction of Aerial Imagery. <i>Remote Sensing</i> , 2019, 11, 1931.	4.0	6
8	A Multiplex Analysis of Potentially Toxic Cyanobacteria in Lake Winnipeg during the 2013 Bloom Season. <i>Toxins</i> , 2019, 11, 587.	3.4	16
9	Host selection and stochastic effects influence bacterial community assembly on the microalgal phycosphere. <i>Algal Research</i> , 2019, 40, 101489.	4.6	58
10	Scope for growth of Texas Bay scallop <i>Argopecten irradians amplicostatus</i> . <i>Journal of Applied Aquaculture</i> , 2019, 31, 140-152.	1.4	1
11	Cyanobacterial bioactive metabolites—A review of their chemistry and biology. <i>Harmful Algae</i> , 2019, 83, 42-94.	4.8	80
12	<i>Odorella benthonicagen.</i> & sp. nov. (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
13	Succession and toxicity of <i>Microcystis</i> and <i>Anabaena</i> ( <i>Dolichospermum</i> ) blooms are controlled by nutrient-dependent allelopathic interactions. <i>Harmful Algae</i> , 2018, 74, 67-77.	4.8	122
14	GREEN TREE FROG ( <i>HYLA CINEREA</i> ) AND GROUND SQUIRREL ( <i>XEROSPERMOPHILLUS SPILOSOMA</i> ) MORTALITY ATTRIBUTED TO INLAND BREVETOXIN TRANSPORT AT PADRE ISLAND NATIONAL SEASHORE, TEXAS, USA, 2015. <i>Journal of Wildlife Diseases</i> , 2018, 54, 142.	0.8	7
15	Cyanobufalins: Cardioactive Toxins from Cyanobacterial Blooms. <i>Journal of Natural Products</i> , 2018, 81, 2576-2581.	3.0	9
16	Minerals and Trace Elements in Microalgae. , 2018, , 177-193.		15
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Ecophysiological Examination of the Lake Erie <i>Microcystis</i> Bloom in 2014: Linkages between Biology and the Water Supply Shutdown of Toledo, OH. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6745-6755.	10.0	196
23	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
24	A remote sensing method for estimating regional reservoir area and evaporative loss. <i>Journal of Hydrology</i> , 2017, 555, 213-227.	5.4	52
25	Identification of a new cyanobacterium, <i>Toxifilum mysidocida</i> gen. nov. & sp. nov. (Cyanobacteria, Cyanophyceae). <i>Journal of Phycology</i> , 2017, 53, 188-197.	2.3	33
26	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
27	Trichophycin A, a Cytotoxic Linear Polyketide Isolated from a <i>Trichodesmium thiebautii</i> Bloom. <i>Marine Drugs</i> , 2017, 15, 10.	4.6	25
28	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
29	Therapeutic effects of the euglenoid ichthyotoxin, euglenophycin, in colon cancer. <i>Oncotarget</i> , 2017, 8, 104347-104358.	1.8	12
30	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
31	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
32	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
33	Augmenting Anti-Cancer Natural Products with a Small Molecule Adjuvant. <i>Marine Drugs</i> , 2015, 13, 65-75.	4.6	11
34	Mapping pigment distribution in mud samples through hyperspectral imaging. <i>Proceedings of SPIE</i> , 2015, . .	0.8	0
35	Phosphatidylcholine composition of pulmonary surfactant from terrestrial and marine diving mammals. <i>Respiratory Physiology and Neurobiology</i> , 2015, 211, 29-36.	1.6	11
36	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry. <i>Molecular BioSystems</i> , 2015, 11, 2808-2820.	2.9	104

#	ARTICLE	IF	CITATIONS
37	Empirical mode decomposition of hyperspectral images for segmentation of seagrass coverage. , 2014, , .		0
38	Resolving Mixed Algal Species in Hyperspectral Images. Sensors, 2014, 14, 1-21.	3.8	30
39	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. Journal of Medicinal Food, 2013, 16, 647-655.	1.5	18
40	Spectral unmixing of three-algae mixtures using hyperspectral images. , 2013, , .		1
41	Darkness at the break of noon: Phytoplankton production in the Lower Mississippi River. Limnology and Oceanography, 2013, 58, 555-568.	3.1	36
42	Quantitative Mass Spectrometric Analysis and Post-Extraction Stability Assessment of the Euglenoid Toxin Euglenophycin. Toxins, 2013, 5, 1587-1596.	3.4	7
43	An improved phycobilin extraction method. Harmful Algae, 2012, 17, 35-39.	4.8	24
44	The contribution of fatty acid amides to <i>Prymnesium parvum</i> Carter toxicity. Harmful Algae, 2012, 20, 117-125.	4.8	40
45	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
46	Evaluation of geosmin and 2-methylisoborneol off-flavour in smoked rainbow trout fillets using instrumental and sensory analyses. Aquaculture Research, 2012, 43, 149-153.	1.8	19
47	Effects of land management practices on water quality in Mississippi Delta oxbow lakes: Biochemical and microbiological aspects. Agriculture, Ecosystems and Environment, 2010, 139, 214-223.	5.3	12
48	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
49	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
50	Possible mechanism for the foodweb transfer of covalently bound microcystins. Ecotoxicology and Environmental Safety, 2010, 73, 757-761.	6.0	50
51	Identification of euglenophycin "A" A toxin found in certain euglenoids. Toxicon, 2010, 55, 100-104.	1.6	56
52	Impact of weather on off-flavour episodes at a Louisiana commercial catfish farm. Aquaculture Research, 2009, 40, 566-574.	1.8	4
53	Initial influence of fertilizer nitrogen types on water quality. Aquaculture Research, 2009, 41, 968.	1.8	2
54	Impact of Copper Sulfate on Plankton in Channel Catfish Nursery Ponds. Journal of the World Aquaculture Society, 2009, 40, 122-128.	2.4	8

#	ARTICLE	IF	CITATIONS
55	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
56	EFFECTS OF NUTRIENT ENRICHMENT ON PRIMARY PRODUCTION AND BIOMASS OF SEDIMENT MICROALGAE IN A SUBTROPICAL SEAGRASS BED. <i>Journal of Phycology</i> , 2008, 44, 874-881.	2.3	10
57	A review of cyanobacterial odorous and bioactive metabolites: Impacts and management alternatives in aquaculture. <i>Aquaculture</i> , 2008, 280, 5-20.	3.5	286
58	Technology, complexity and change in agricultural production systems. <i>Renewable Agriculture and Food Systems</i> , 2008, 23, 285-295.	1.8	78
59	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. <i>Harmful Algae</i> , 2007, 6, 486-518.	4.8	102
60	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
61	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
62	The presence of the cyanobacterial toxin microcystin in black band disease of corals. <i>FEMS Microbiology Letters</i> , 2007, 272, 182-187.	1.8	87
63	Effects of Smallmouth Buffalo and Potassium Permanganate Treatment on Plankton and Pond Water Quality. <i>North American Journal of Aquaculture</i> , 2006, 68, 36-40.	1.4	2
64	Remote estimation of chlorophyll concentration in hyper-eutrophic aquatic systems: Model tuning and accuracy optimization. <i>Aquaculture</i> , 2006, 256, 272-286.	3.5	131
65	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
66	POTENTIAL FOR REMOTE SENSING FROM AGRICULTURAL AIRCRAFT USING DIGITAL VIDEO. <i>Applied Engineering in Agriculture</i> , 2005, 21, 531-537.	0.7	9
67	Identification of euglenoid algae that produce ichthyotoxin(s). <i>Journal of Fish Diseases</i> , 2004, 27, 115-117.	1.9	41
68	Algae – a poor man's HAART?. <i>Medical Hypotheses</i> , 2004, 62, 507-510.	1.5	37
69	Plankton community responses in earthen channel catfish nursery ponds under various fertilization regimes. <i>Aquaculture</i> , 2004, 233, 219-235.	3.5	69
70	Instrumental versus sensory detection of off-flavors in farm-raised channel catfish. <i>Aquaculture</i> , 2004, 236, 309-319.	3.5	76
71	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
72	Pond age-related water column trophic relationships in channel catfish <i>Ictalurus punctatus</i> production ponds. <i>Aquaculture</i> , 2003, 219, 291-301.	3.5	19

#	ARTICLE	IF	CITATIONS
73	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
74	Remote Sensing Techniques to Assess Water Quality. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003, 69, 695-704.	0.6	385
75	Short-Term Effect of Diuron on Catfish Pond Ecology. <i>North American Journal of Aquaculture</i> , 2002, 64, 16-23.	1.4	45
76	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
77	A PCR-BASED TEST TO ASSESS THE POTENTIAL FOR MICROCYSTIN OCCURRENCE IN CHANNEL CATFISH PRODUCTION PONDS <sup>1,2</sup> . <i>Journal of Phycology</i> , 2002, 38, 230-233.	2.3	66
78	Confirmation of catfish, <i>Ictalurus punctatus</i> (Rafinesque), mortality from <i>Microcystis</i> toxins. <i>Journal of Fish Diseases</i> , 2001, 24, 41-47.	1.9	149
79	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
80	Assessment of Zooplankton Size Fractionation for Monitoring Fry and Fingerling Culture Ponds. <i>North American Journal of Aquaculture</i> , 2001, 63, 289-292.	1.4	1
81	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
82	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
83	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
84	EVALUATING THE RELATIONSHIP BETWEEN PHOTOPIGMENT SYNTHESIS AND 2-METHYLISOBORNEOL ACCUMULATION IN CYANOBACTERIA. <i>Journal of Phycology</i> , 1999, 35, 1422-1429.	2.3	65
85	Rapid analysis of geosmin and 2-methylisoborneol in water using solid phase micro extraction procedures. <i>Water Research</i> , 1998, 32, 2140-2146.	11.3	175
86	Quantification of epiphyte removal efficiency from submersed aquatic plants. <i>Aquatic Botany</i> , 1997, 58, 173-179.	1.6	51
87	CARBON FIXATION IN CULTURED MARINE BENTHIC DIATOMS <sup>1</sup> . <i>Journal of Phycology</i> , 1990, 26, 306-311.	2.3	11
88	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
89	Does Pond Water Reflectance Influence Double-crested Cormorant Selection of Aquaculture Ponds?. <i>Journal of the World Aquaculture Society</i> , 0, 41, 430-437.	2.4	2