

Christopher E Parrish

List of Publications by Year in descending order

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83
papers

3,838
citations

168829

31
h-index

169272

56
g-index

86
all docs

86
docs citations

86
times ranked

3845
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping Seafloor Relative Reflectance and Assessing Coral Reef Morphology with EAARL-B Topobathymetric Lidar Waveforms. <i>Estuaries and Coasts</i> , 2022, 45, 923-937.	1.0	7
2	Mass Spectrometry-Based Lipidomics in the Characterization of Individual Triacylglycerol (TAG) and Phospholipid (PL) Species from Marine Sources and Their Beneficial Health Effects. <i>Reviews in Fisheries Science and Aquaculture</i> , 2022, 30, 81-100.	5.1	12
3	Lignin degradation by microorganisms: A review. <i>Biotechnology Progress</i> , 2022, 38, e3226.	1.3	39
4	Recovery and Readjustment of Historical Ocean Coast Control Stations in Oregon. <i>Journal of Surveying Engineering</i> , - ASCE, 2022, 148, .	1.0	0
5	Lipid variations in tilapia (var. GIFT <i>Oreochromis</i> sp.) tissues due to dietary replacement of fish oil with camelina oil (<i>Camelina sativa</i>). <i>Aquaculture Research</i> , 2022, 53, 2819-2832.	0.9	2
6	Assessing the Ability to Quantify Bathymetric Change over Time Using Solely Satellite-Based Measurements. <i>Remote Sensing</i> , 2022, 14, 1232.	1.8	9
7	Dense Point Cloud Quality Factor as Proxy for Accuracy Assessment of Image-Based 3D Reconstruction. <i>Journal of Surveying Engineering</i> , - ASCE, 2021, 147, .	1.0	18
8	Diet and temperature affect liver lipids and membrane properties in steelhead trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Great Lakes Research</i> , 2021, 47, 102-113.	1.1	3
9	Effects of Varying Dietary Docosahexaenoic, Eicosapentaenoic, Linoleic, and \pm -Linolenic Acid Levels on Fatty Acid Composition of Phospholipids and Neutral Lipids in the Liver of Atlantic Salmon, <i>Salmo salar</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2697-2710.	2.4	2
10	Seasonal shifts in fatty acids and sterols in sponges, corals, and bivalves, in a southern Gulf of Mexico coral reef under river influence. <i>Coral Reefs</i> , 2021, 40, 571-593.	0.9	5
11	Shotgun Lipidomics for the Determination of Phospholipid and Eicosanoid Profiles in Atlantic Salmon (<i>Salmo salar</i> L.) Muscle Tissue Using Electrospray Ionization (ESI)-MS/MS Spectrometric Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2272.	1.8	6
12	Effects of copper on photosynthetic and physiological parameters of a freshwater microalga (<i>Chlorophyceae</i>). <i>Algal Research</i> , 2021, 54, 102223.	2.4	20
13	Influence of Varying Dietary ω 6 to ω 3 Fatty Acid Ratios on the Hepatic Transcriptome, and Association with Phenotypic Traits (Growth, Somatic Indices, and Tissue Lipid Composition), in Atlantic Salmon (<i>Salmo salar</i>). <i>Biology</i> , 2021, 10, 578.	1.3	3
14	Environmental impact of bioplastic use: A review. <i>Heliyon</i> , 2021, 7, e07918.	1.4	178
15	Inverse Histogram-Based Clustering Approach to Seafloor Segmentation from Bathymetric Lidar Data. <i>Remote Sensing</i> , 2021, 13, 3665.	1.8	4
16	A feasibility study of uninhabited aircraft systems for rapid and cost-effective plant stress monitoring at green stormwater infrastructure facilities. <i>Journal of Hydroinformatics</i> , 2021, 23, 417-437.	1.1	2
17	A photogrammetric approach to fusing natural colour and thermal infrared UAS imagery in 3D point cloud generation. <i>International Journal of Remote Sensing</i> , 2020, 41, 211-237.	1.3	31
18	Minimizing marine ingredients in diets of farmed Atlantic salmon (<i>Salmo salar</i>): effects on liver and head kidney lipid class and fatty acid composition. <i>Fish Physiology and Biochemistry</i> , 2020, 46, 2331-2353.	0.9	4

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19	Shifts in photosynthetic parameters and lipid production of the freshwater microalga <i>Selenastrum gracile</i> (Chlorophyceae) under cadmium exposure. <i>Journal of Applied Phycology</i> , 2020, 32, 4047-4055.	1.5	14
20	State of art and best practices for fatty acid analysis in aquatic sciences. <i>ICES Journal of Marine Science</i> , 2020, 77, 2375-2395.	1.2	32
21	Influence of Dietary Long-Chain Polyunsaturated Fatty Acids and ω 6 to ω 3 Ratios on Head Kidney Lipid Composition and Expression of Fatty Acid and Eicosanoid Metabolism Genes in Atlantic Salmon (<i>Salmo</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	24
22	Feeding Whole Thraustochytrid Biomass to Cultured Atlantic Salmon (<i>Salmo salar</i>) Fingerlings: Culture Performance and Fatty Acid Incorporation. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 207.	1.2	12
23	Diet-Induced Physiological Responses in the Liver of Atlantic Salmon (<i>Salmo salar</i>) Inferred Using Multiplex PCR Platforms. <i>Marine Biotechnology</i> , 2020, 22, 511-525.	1.1	8
24	Interaction between ω 6 and ω 3 fatty acids of different chain lengths regulates Atlantic salmon hepatic gene expression and muscle fatty acid profiles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190648.	1.8	9
25	Replacement of fish oil with camelina (<i>Camelina sativa</i>) oil in diets for juvenile tilapia (var. GIFT) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	24
26	Liver Transcriptome Profiling Reveals That Dietary DHA and EPA Levels Influence Suites of Genes Involved in Metabolism, Redox Homeostasis, and Immune Function in Atlantic Salmon (<i>Salmo salar</i>). <i>Marine Biotechnology</i> , 2020, 22, 263-284.	1.1	17
27	Assessing lean and positional error of individual mature Douglas-fir (<i>Pseudotsuga menziesii</i>) trees using active and passive sensors. <i>Canadian Journal of Forest Research</i> , 2020, 50, 1228-1243.	0.8	4
28	Discrimination between freshwater and marine fish using fatty acids: ecological implications and future perspectives. <i>Environmental Reviews</i> , 2020, 28, 546-559.	2.1	25
29	Validation of ICESat-2 ATLAS Bathymetry and Analysis of ATLAS's Bathymetric Mapping Performance. <i>Remote Sensing</i> , 2019, 11, 1634.	1.8	174
30	Neutral and polar lipid fatty acids in five families of demersal and pelagic fish from the deep Northwest Atlantic. <i>ICES Journal of Marine Science</i> , 2019, 76, 1807-1815.	1.2	14
31	Effect of plant-based diets with varying ratios of ω 6 to ω 3 fatty acids on growth performance, tissue composition, fatty acid biosynthesis and lipid-related gene expression in Atlantic salmon (<i>Salmo</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	24
32	Elemental ratios and lipid classes in a coral reef food web under river influence. <i>Progress in Oceanography</i> , 2018, 164, 1-11.	1.5	10
33	Changes in the liver transcriptome of farmed Atlantic salmon (<i>Salmo salar</i>) fed experimental diets based on terrestrial alternatives to fish meal and fish oil. <i>BMC Genomics</i> , 2018, 19, 796.	1.2	47
34	Minimizing marine ingredients in diets of farmed Atlantic salmon (<i>Salmo salar</i>): Effects on growth performance and muscle lipid and fatty acid composition. <i>PLoS ONE</i> , 2018, 13, e0198538.	1.1	27
35	Growth performance, tissue composition, and gene expression responses in Atlantic salmon (<i>Salmo</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	24
36	The dietary replacement of marine ingredients by terrestrial animal and plant alternatives modulates the antiviral immune response of Atlantic salmon (<i>Salmo salar</i>). <i>Fish and Shellfish Immunology</i> , 2017, 64, 24-38.	1.6	68

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37	Effects of wild zooplankton versus enriched rotifers and Artemia on the biochemical composition of Atlantic cod (<i>Gadus morhua</i>) larvae. <i>Aquaculture</i> , 2017, 479, 100-113.	1.7	18
38	Trophic ecology of a deep-sea fish assemblage in the Northwest Atlantic. <i>Marine Biology</i> , 2017, 164, 1.	0.7	17
39	Urban sewage lipids in the suspended particulate matter of a coral reef under river influence in the South West Gulf of Mexico. <i>Water Research</i> , 2017, 123, 192-205.	5.3	16
40	Transcriptome profiling of antiviral immune and dietary fatty acid dependent responses of Atlantic salmon macrophage-like cells. <i>BMC Genomics</i> , 2017, 18, 706.	1.2	62
41	Simulated Imagery Rendering Workflow for UAS-Based Photogrammetric 3D Reconstruction Accuracy Assessments. <i>Remote Sensing</i> , 2017, 9, 396.	1.8	24
42	Assessment of Elevation Uncertainty in Salt Marsh Environments using Discrete-Return and Full-Waveform Lidar. <i>Journal of Coastal Research</i> , 2016, 76, 107-122.	0.1	23
43	Introduction: Special Issue on Advances in Topobathymetric Mapping, Models, and Applications. <i>Journal of Coastal Research</i> , 2016, 76, 1-3.	0.1	8
44	Post-Sandy Benthic Habitat Mapping Using New Topobathymetric Lidar Technology and Object-Based Image Classification. <i>Journal of Coastal Research</i> , 2016, 76, 200-208.	0.1	10
45	Copper affects biochemical and physiological responses of <i>Selenastrum gracile</i> (Reinsch). <i>Ecotoxicology</i> , 2016, 25, 1468-1477.	1.1	22
46	A Review of LIDAR Radiometric Processing: From Ad Hoc Intensity Correction to Rigorous Radiometric Calibration. <i>Sensors</i> , 2015, 15, 28099-28128.	2.1	241
47	Atlantic salmon (<i>Salmo salar</i>) liver transcriptome response to diets containing <i>Camelina sativa</i> products. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2015, 14, 1-15.	0.4	54
48	Modeling Uncertainty in Photogrammetry-Derived National Shoreline. <i>Marine Geodesy</i> , 2015, 38, 128-145.	0.9	11
49	Direct determination of fatty acids in fish tissues: quantifying top predator trophic connections. <i>Oecologia</i> , 2015, 177, 85-95.	0.9	57
50	Reprint of "Effect of dietary substitution of fish oil with flaxseed or sunflower oil on muscle fatty acid composition in juvenile steelhead trout (<i>Oncorhynchus mykiss</i>) reared at varying temperatures" <i>Aquaculture</i> , 2015, 447, 108-115.	1.7	6
51	Spatial variation in fatty acid trophic markers in albacore tuna from the southwestern Pacific Ocean: A potential "tropicalization" signal. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 113, 199-207.	0.6	33
52	Spatial Patterns and Temperature Predictions of Tuna Fatty Acids: Tracing Essential Nutrients and Changes in Primary Producers. <i>PLoS ONE</i> , 2015, 10, e0131598.	1.1	52
53	Lipid, Fatty Acid and Energy Density Profiles of White Sharks: Insights into the Feeding Ecology and Ecophysiology of a Complex Top Predator. <i>PLoS ONE</i> , 2014, 9, e97877.	1.1	55
54	Changes in Tissue Lipid and Fatty Acid Composition of Farmed Rainbow Trout in Response to Dietary Camelina Oil as a Replacement of Fish Oil. <i>Lipids</i> , 2014, 49, 97-111.	0.7	66

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55	Full substitution of fish oil with camelina (<i>Camelina sativa</i>) oil, with partial substitution of fish meal with camelina meal, in diets for farmed Atlantic salmon (<i>Salmo salar</i>) and its effect on tissue lipids and sensory quality. <i>Food Chemistry</i> , 2014, 157, 51-61.	4.2	109
56	Biochemical egg quality in a captive walleye (<i>Sander vitreus</i>) broodstock population relative to ovulation timing following hormonal treatment. <i>Aquaculture</i> , 2014, 431, 99-106.	1.7	14
57	Use of camelina oil to replace fish oil in diets for farmed salmonids and Atlantic cod. <i>Aquaculture</i> , 2014, 431, 44-52.	1.7	39
58	Effect of temperature and tissue type on fatty acid signatures of two species of North Pacific juvenile gadids: A laboratory feeding study. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 448, 188-196.	0.7	29
59	Effect of replacement of fish oil with camelina (<i>Camelina sativa</i>) oil on growth, lipid class and fatty acid composition of farmed juvenile Atlantic cod (<i>Gadus morhua</i>). <i>Fish Physiology and Biochemistry</i> , 2013, 39, 1441-1456.	0.9	37
60	Effects of cadmium and nitrogen on lipid composition of <i>Chlorella vulgaris</i> (Trebouxiophyceae). <i>Journal of Applied Phycology</i> , 2013, 27, 107-114.	0.9	47
61	Revealing organic carbon sources fueling a coral reef food web in the Gulf of Mexico using stable isotopes and fatty acids. <i>Limnology and Oceanography</i> , 2013, 58, 593-612.	1.6	35
62	Lipids in Marine Ecosystems. <i>ISRN Oceanography</i> , 2013, 2013, 1-16.	0.5	195
63	Role of temperature on lipid/fatty acid composition in Pacific cod (<i>Gadus macrocephalus</i>) eggs and unfed larvae. <i>Marine Biology</i> , 2012, 159, 2025-2034.	0.7	24
64	Characterisation of Δ^5 -methyl sterols in <i>Pavlova</i> spp. and postlarval sea scallops, <i>Placopecten magellanicus</i> . <i>Aquaculture</i> , 2011, 311, 261-262.	1.7	5
65	The ecological significance of lipid/fatty acid synthesis in developing eggs and newly hatched larvae of Pacific cod (<i>Gadus macrocephalus</i>). <i>Marine Biology</i> , 2010, 157, 1713-1724.	0.7	34
66	Profiling neutral lipids in individual fish larvae by using short-column gas chromatography with flame ionization detection. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 411-428.	1.0	12
67	Essential fatty acids in aquatic food webs. <i>Limnology and Oceanography</i> , 2009, 54, 309-326.		165
68	Biochemical characterization and nutritional value of three <i>Pavlova</i> spp. in unialgal and mixed diets with <i>Chaetoceros muelleri</i> for postlarval sea scallops, <i>Placopecten magellanicus</i> . <i>Aquaculture</i> , 2008, 276, 130-142.	1.7	41
69	Is Δ^6 docosapentaenoic acid an essential fatty acid during early ontogeny in marine fauna?. <i>Limnology and Oceanography</i> , 2007, 52, 476-479.	1.6	27
70	Comparison of early life history stages of the bay scallop, <i>Argopecten irradians</i> : Effects of microalgal diets on growth and biochemical composition. <i>Aquaculture</i> , 2006, 260, 272-289.	1.7	53
71	Lipids Classes, Fatty Acids, and Sterols in Seafood from Gilbert Bay, Southern Labrador. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4872-4881.	2.4	76
72	Growth of postlarval sea scallops, <i>Placopecten magellanicus</i> , on microalgal diets, with emphasis on the nutritional role of lipids and fatty acids. <i>Aquaculture</i> , 2004, 234, 293-317.	1.7	69

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73	Title is missing!. Aquaculture International, 2003, 11, 43-52.	1.1	18
74	FA determination in cold water marine samples. Lipids, 2003, 38, 781-791.	0.7	35
75	Eicosapentaenoic Acid Regulates Scallop (<i>Placoepecten magellanicus</i>) Membrane Fluidity in Response to Cold. Biological Bulletin, 2002, 202, 201-203.	0.7	116
76	Quality assurance study of marine lipid class determination using chromarod/iatroscan® thin layer chromatography-flame ionization detector. Environmental Toxicology and Chemistry, 2000, 19, 2189-2197.	2.2	10
77	Determination of Total Lipid, Lipid Classes, and Fatty Acids in Aquatic Samples. , 1999, , 4-20.		230
78	Lipid class and fatty acid composition of <i>Pseudo-nitzschia multiseries</i> and <i>Pseudo-nitzschia pungens</i> and effects of lipolytic enzyme deactivation. Phytochemistry, 1999, 52, 561-566.	1.4	48
79	Lipid biogeochemistry of plankton, settling matter and sediments in Trinity Bay, Newfoundland. I. Lipid classes. Organic Geochemistry, 1998, 29, 1531-1545.	0.9	38
80	Lipid biogeochemistry of plankton, settling matter and sediments in Trinity Bay, Newfoundland. II. Fatty acids. Organic Geochemistry, 1998, 29, 1547-1559.	0.9	268
81	Seawater fatty acids and lipid classes in an urban and a rural Nova Scotia inlet. Lipids, 1992, 27, 651-655.	0.7	21
82	Separation of Aquatic Lipid Classes by Chromarod Thin-Layer Chromatography with Measurement by Iatroscan Flame Ionization Detection. Canadian Journal of Fisheries and Aquatic Sciences, 1987, 44, 722-731.	0.7	322
83	Influence of life-history-dependent migration strategies on Atlantic salmon diets. ICES Journal of Marine Science, 0, , .	1.2	4