Christopher E Parrish

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mapping Seafloor Relative Reflectance and Assessing Coral Reef Morphology with EAARL-B Topobathymetric Lidar Waveforms. Estuaries and Coasts, 2022, 45, 923-937.	2.2	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. Reviews in Fisheries Science and Aquaculture, 2022, 30, 81-100.	9.1	12
3	Lignin degradation by microorganisms: A review. Biotechnology Progress, 2022, 38, e3226.	2.6	39
4	Recovery and Readjustment of Historical Ocean Coast Control Stations in Oregon. Journal of Surveying Engineering, - ASCE, 2022, 148, .	1.7	0
5	Lipid variations in tilapia (var. GIFT <i>Oreochromis</i> sp.) tissues dueÂto dietary replacement of fish oil with camelina oil (<i>Camelina sativa</i>). Aquaculture Research, 2022, 53, 2819-2832.	1.8	2
6	Assessing the Ability to Quantify Bathymetric Change over Time Using Solely Satellite-Based Measurements. Remote Sensing, 2022, 14, 1232.	4.0	9
7	Dense Point Cloud Quality Factor as Proxy for Accuracy Assessment of Image-Based 3D Reconstruction. Journal of Surveying Engineering, - ASCE, 2021, 147, .	1.7	18
8	Diet and temperature affect liver lipids and membrane properties in steelhead trout () Tj ETQq0 0 0 rgBT /Overloc	k 10 Tf 50	∙462 Td (<i></i>

9	Effects of Varying Dietary Docosahexaenoic, Eicosapentaenoic, Linoleic, and I±-Linolenic Acid Levels on Fatty Acid Composition of Phospholipids and Neutral Lipids in the Liver of Atlantic Salmon, <i>Salmo salar</i> . Journal of Agricultural and Food Chemistry, 2021, 69, 2697-2710.	5.2	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. Coral Reefs, 2021, 40, 571-593.	2.2	5
11	Shotgun Lipidomics for the Determination of Phospholipid and Eicosanoid Profiles in Atlantic Salmon (Salmo salar L.) Muscle Tissue Using Electrospray Ionization (ESI)-MS/MS Spectrometric Analysis. International Journal of Molecular Sciences, 2021, 22, 2272.	4.1	6
12	Effects of copper on photosynthetic and physiological parameters of a freshwater microalga (Chlorophyceae). Algal Research, 2021, 54, 102223.	4.6	20
13	Influence of Varying Dietary ω6 to ω3 Fatty Acid Ratios on the Hepatic Transcriptome, and Association with Phenotypic Traits (Growth, Somatic Indices, and Tissue Lipid Composition), in Atlantic Salmon (Salmo salar). Biology, 2021, 10, 578.	2.8	3
14	Environmental impact of bioplastic use: A review. Heliyon, 2021, 7, e07918.	3.2	178
14 15	Environmental impact of bioplastic use: A review. Heliyon, 2021, 7, e07918. Inverse Histogram-Based Clustering Approach to Seafloor Segmentation from Bathymetric Lidar Data. Remote Sensing, 2021, 13, 3665.	3.2 4.0	178 4
14 15 16	Environmental impact of bioplastic use: A review. Heliyon, 2021, 7, e07918. Inverse Histogram-Based Clustering Approach to Seafloor Segmentation from Bathymetric Lidar Data. Remote Sensing, 2021, 13, 3665. A feasibility study of uninhabited aircraft systems for rapid and cost-effective plant stress monitoring at green stormwater infrastructure facilities. Journal of Hydroinformatics, 2021, 23, 417-437.	3.2 4.0 2.4	178 4 2
14 15 16 17	Environmental impact of bioplastic use: A review. Heliyon, 2021, 7, e07918. Inverse Histogram-Based Clustering Approach to Seafloor Segmentation from Bathymetric Lidar Data. Remote Sensing, 2021, 13, 3665. A feasibility study of uninhabited aircraft systems for rapid and cost-effective plant stress monitoring at green stormwater infrastructure facilities. Journal of Hydroinformatics, 2021, 23, 417-437. A photogrammetric approach to fusing natural colour and thermal infrared UAS imagery in 3D point cloud generation. International Journal of Remote Sensing, 2020, 41, 211-237.	3.2 4.0 2.4 2.9	178 4 2 31

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19	Shifts in photosynthetic parameters and lipid production of the freshwater microalga Selenastrum gracile (Chlorophyceae) under cadmium exposure. Journal of Applied Phycology, 2020, 32, 4047-4055.	2.8	14
20	State of art and best practices for fatty acid analysis in aquatic sciences. ICES Journal of Marine Science, 2020, 77, 2375-2395.	2.5	32
21	Influence of Dietary Long-Chain Polyunsaturated Fatty Acids and ω6 to ω3 Ratios on Head Kidney Lipid Composition and Expression of Fatty Acid and Eicosanoid Metabolism Genes in Atlantic Salmon (Salmo) Tj ETQq1	ിദ്യ 7843	1 4 rgBT /O
22	Feeding Whole Thraustochytrid Biomass to Cultured Atlantic Salmon (Salmo salar) Fingerlings: Culture Performance and Fatty Acid Incorporation. Journal of Marine Science and Engineering, 2020, 8, 207.	2.6	12
23	Diet-Induced Physiological Responses in the Liver of Atlantic Salmon (Salmo salar) Inferred Using Multiplex PCR Platforms. Marine Biotechnology, 2020, 22, 511-525.	2.4	8
24	Interaction between <i>ï‰</i> 6 and <i>ï‰</i> 3 fatty acids of different chain lengths regulates Atlantic salmon hepatic gene expression and muscle fatty acid profiles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190648.	4.0	9
95	Replacement of fish oil with camelina (Camelina sativa) oil in diets for juvenile tilapia (var. GIFT) Tj ETQq1 1 0.784	314 rgBT /	Overlock 1
25	Aquaculture, 2020, 523, 735177.	3.5	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 (Salmo salar). Marine Biotechnology, 2020, 22, 263-284.	2.4	17
27	Assessing lean and positional error of individual mature Douglas-fir (Pseudotsuga menziesii) trees using active and passive sensors. Canadian Journal of Forest Research, 2020, 50, 1228-1243.	1.7	4
28	Discrimination between freshwater and marine fish using fatty acids: ecological implications and future perspectives. Environmental Reviews, 2020, 28, 546-559.	4.5	25
29	Validation of ICESat-2 ATLAS Bathymetry and Analysis of ATLAS's Bathymetric Mapping Performance. Remote Sensing, 2019, 11, 1634.	4.0	174
30	Neutral and polar lipid fatty acids in five families of demersal and pelagic fish from the deep Northwest Atlantic. ICES Journal of Marine Science, 2019, 76, 1807-1815.	2.5	14
31	Effect of plant-based diets with varying ratios of ω6 to ω3 fatty acids on growth performance, tissue composition, fatty acid biosynthesis and lipid-related gene expression in Atlantic salmon (Salmo) Tj ETQq1 1 0.784	4 3.1 04 rgBT	∕®verlock
32	Elemental ratios and lipid classes in a coral reef food web under river influence. Progress in Oceanography, 2018, 164, 1-11.	3.2	10
33	Changes in the liver transcriptome of farmed Atlantic salmon (Salmo salar) fed experimental diets based on terrestrial alternatives to fish meal and fish oil. BMC Genomics, 2018, 19, 796.	2.8	47
34	Minimizing marine ingredients in diets of farmed Atlantic salmon (Salmo salar): Effects on growth performance and muscle lipid and fatty acid composition. PLoS ONE, 2018, 13, e0198538.	2.5	27
35	Growth performance, tissue composition, and gene expression responses in Atlantic salmon (Salmo) Tj ETQq1 1 C	.784314 r 3.5	gBT /Overio
36	The dietary replacement of marine ingredients by terrestrial animal and plant alternatives modulates the antiviral immune response of Atlantic salmon (Salmo salar). Fish and Shellfish Immunology, 2017, 64, 24-38.	3.6	68

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37	Effects of wild zooplankton versus enriched rotifers and Artemia on the biochemical composition of Atlantic cod (Gadus morhua) larvae. Aquaculture, 2017, 479, 100-113.	3.5	18
38	Trophic ecology of a deep-sea fish assemblage in the Northwest Atlantic. Marine Biology, 2017, 164, 1.	1.5	17
39	Urban sewage lipids in the suspended particulate matter of a coral reef under river influence in the South West Gulf of Mexico. Water Research, 2017, 123, 192-205.	11.3	16
40	Transcriptome profiling of antiviral immune and dietary fatty acid dependent responses of Atlantic salmon macrophage-like cells. BMC Genomics, 2017, 18, 706.	2.8	62
41	Simulated Imagery Rendering Workflow for UAS-Based Photogrammetric 3D Reconstruction Accuracy Assessments. Remote Sensing, 2017, 9, 396.	4.0	24
42	Assessment of Elevation Uncertainty in Salt Marsh Environments using Discrete-Return and Full-Waveform Lidar. Journal of Coastal Research, 2016, 76, 107-122.	0.3	23
43	Introduction: Special Issue on Advances in Topobathymetric Mapping, Models, and Applications. Journal of Coastal Research, 2016, 76, 1-3.	0.3	8
44	Post-Sandy Benthic Habitat Mapping Using New Topobathymetric Lidar Technology and Object-Based Image Classification. Journal of Coastal Research, 2016, 76, 200-208.	0.3	10
45	Copper affects biochemical and physiological responses of Selenastrum gracile (Reinsch). Ecotoxicology, 2016, 25, 1468-1477.	2.4	22
46	A Review of LIDAR Radiometric Processing: From Ad Hoc Intensity Correction to Rigorous Radiometric Calibration. Sensors, 2015, 15, 28099-28128.	3.8	241
47	Atlantic salmon (Salmo salar) liver transcriptome response to diets containing Camelina sativa products. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2015, 14, 1-15.	1.0	54
48	Modeling Uncertainty in Photogrammetry-Derived National Shoreline. Marine Geodesy, 2015, 38, 128-145.	2.0	11
49	Direct determination of fatty acids in fish tissues: quantifying top predator trophic connections. Oecologia, 2015, 177, 85-95.	2.0	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 (Oncorhynchus mykiss) reared at varying temperatures― Aquaculture, 2015, 447, 108-115.	3.5	6
51	Spatial variation in fatty acid trophic markers in albacore tuna from the southwestern Pacific Ocean—A potential †tropicalization' signal. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 113, 199-207.	1.4	33
52	Spatial Patterns and Temperature Predictions of Tuna Fatty Acids: Tracing Essential Nutrients and Changes in Primary Producers. PLoS ONE, 2015, 10, e0131598.	2.5	52
53	Lipid, Fatty Acid and Energy Density Profiles of White Sharks: Insights into the Feeding Ecology and Ecophysiology of a Complex Top Predator. PLoS ONE, 2014, 9, e97877.	2.5	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. Lipids, 2014, 49, 97-111.	1.7	66

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55	Full substitution of fish oil with camelina (Camelina sativa) oil, with partial substitution of fish meal with camelina meal, in diets for farmed Atlantic salmon (Salmo salar) and its effect on tissue lipids and sensory quality. Food Chemistry, 2014, 157, 51-61.	8.2	109
56	Biochemical egg quality in a captive walleye (Sander vitreus) broodstock population relative to ovulation timing following hormonal treatment. Aquaculture, 2014, 431, 99-106.	3.5	14
57	Use of camelina oil to replace fish oil in diets for farmed salmonids and Atlantic cod. Aquaculture, 2014, 431, 44-52.	3.5	39
58	Effect of temperature and tissue type on fatty acid signatures of two species of North Pacific juvenile gadids: A laboratory feeding study. Journal of Experimental Marine Biology and Ecology, 2013, 448, 188-196.	1.5	29
59	Effect of replacement of fish oil with camelina (Camelina sativa) oil on growth, lipid class and fatty acid composition of farmed juvenile Atlantic cod (Gadus morhua). Fish Physiology and Biochemistry, 2013, 39, 1441-1456.	2.3	37
60	Effects of cadmium and nitrogen on lipid composition of <i>Chlorella vulgaris</i> (Trebouxiophyceae,) Tj ETQqO	0 0 rgBT /	Overlock 10 T
61	Revealing organic carbon sources fueling a coral reef food web in the Gulf of Mexico using stable isotopes and fatty acids. Limnology and Oceanography, 2013, 58, 593-612.	3.1	35
62	Lipids in Marine Ecosystems. ISRN Oceanography, 2013, 2013, 1-16.	0.5	195
63	Role of temperature on lipid/fatty acid composition in Pacific cod (Gadus macrocephalus) eggs and unfed larvae. Marine Biology, 2012, 159, 2025-2034.	1.5	24
64	Characterisation of 4α-methyl sterols in Pavlova spp. and postlarval sea scallops, Placopecten magellanicus. Aquaculture, 2011, 311, 261-262.	3.5	5
65	The ecological significance of lipid/fatty acid synthesis in developing eggs and newly hatched larvae of Pacific cod (Gadus macrocephalus). Marine Biology, 2010, 157, 1713-1724.	1.5	34
66	Profiling neutral lipids in individual fish larvae by using short-column gas chromatography with flame ionization detection. Limnology and Oceanography: Methods, 2009, 7, 411-428.	2.0	12
67	Essential fatty acids in aquatic food webs. , 2009, , 309-326.		165
68	Biochemical characterization and nutritional value of three Pavlova spp. in unialgal and mixed diets with Chaetoceros muelleri for postlarval sea scallops, Placopecten magellanicus. Aquaculture, 2008, 276, 130-142.	3.5	41
69	Is ω6 docosapentaenoic acid an essential fatty acid during early ontogeny in marine fauna?. Limnology and Oceanography, 2007, 52, 476-479.	3.1	27
70	Comparison of early life history stages of the bay scallop, Argopecten irradians: Effects of microalgal diets on growth and biochemical composition. Aquaculture, 2006, 260, 272-289.	3.5	53
71	Lipids Classes, Fatty Acids, and Sterols in Seafood from Gilbert Bay, Southern Labrador. Journal of Agricultural and Food Chemistry, 2004, 52, 4872-4881.	5.2	76
72	Growth of postlarval sea scallops, Placopecten magellanicus, on microalgal diets, with emphasis on the nutritional role of lipids and fatty acids. Aquaculture, 2004, 234, 293-317.	3.5	69

#	Article	IF	CITATIONS
73	Title is missing!. Aquaculture International, 2003, 11, 43-52.	2.2	18
74	FA determination in cold water marine samples. Lipids, 2003, 38, 781-791.	1.7	35
75	Eicosapentaenoic Acid Regulates Scallop (Placopecten magellanicus) Membrane Fluidity in Response to Cold. Biological Bulletin, 2002, 202, 201-203.	1.8	116
76	Qualityâ€assurance study of marine lipidâ€class determination using chromarod/iatroscan® thinâ€layer chromatographyâ€flame ionization detector. Environmental Toxicology and Chemistry, 2000, 19, 2189-2197.	4.3	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 Pseudo-nitzschia multiseries and Pseudo-nitzschia pungens and effects of lipolytic enzyme deactivation. Phytochemistry, 1999, 52, 561-566.	2.9	48
79	Lipid biogeochemistry of plankton, settling matter and sediments in Trinity Bay, Newfoundland. I. Lipid classes. Organic Geochemistry, 1998, 29, 1531-1545.	1.8	38
80	Lipid biogeochemistry of plankton, settling matter and sediments in Trinity Bay, Newfoundland. II. Fatty acids. Organic Geochemistry, 1998, 29, 1547-1559.	1.8	268
81	Seawater fatty acids and lipid classes in an urban and a rural Nova Scotia inlet. Lipids, 1992, 27, 651-655.	1.7	21
82	Separation of Aquatic Lipid Classes by Chromarod Thin-Layer Chromatography with Measurement by latroscan Flame Ionization Detection. Canadian Journal of Fisheries and Aquatic Sciences, 1987, 44, 722-731.	1.4	322
83	Influence of life-history-dependent migration strategies on Atlantic salmon diets. ICES Journal of Marine Science, 0, , .	2.5	4