

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|----------------|-----------------|
| 144 papers | 3,906 citations | 30 h-index | 59 g-index |
| 179 ext. papers | 4,637 ext. citations | 4.5 avg, IF | 5.54 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 144 | High-performance LiNi _{0.5} Mn _{1.5} O ₄ spinel controlled by Mn ³⁺ concentration and site disorder. <i>Advanced Materials</i> , 2012 , 24, 2109-16 | 24 | 371 |
| 143 | Energy harvesting from low frequency applications using piezoelectric materials. <i>Applied Physics Reviews</i> , 2014 , 1, 041301 | 17.3 | 333 |
| 142 | Lithium and lithium ion batteries for applications in microelectronic devices: A review. <i>Journal of Power Sources</i> , 2015 , 286, 330-345 | 8.9 | 330 |
| 141 | Research Progress towards Understanding the Unique Interfaces between Concentrated Electrolytes and Electrodes for Energy Storage Applications. <i>Advanced Science</i> , 2017 , 4, 1700032 | 13.6 | 245 |
| 140 | Interfacial behaviours between lithium ion conductors and electrode materials in various battery systems. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15266-15280 | 13 | 155 |
| 139 | Direct Observation of Sulfur Radicals as Reaction Media in Lithium Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A474-A478 | 3.9 | 155 |
| 138 | The Juvenile Salmon Acoustic Telemetry System: A New Tool. <i>Fisheries</i> , 2010 , 35, 9-22 | 1.1 | 138 |
| 137 | Mechanism of Formation of Li ₇ P ₃ S ₁₁ Solid Electrolytes through Liquid Phase Synthesis. <i>Chemistry of Materials</i> , 2018 , 30, 990-997 | 9.6 | 90 |
| 136 | Following the transient reactions in lithium-sulfur batteries using an in situ nuclear magnetic resonance technique. <i>Nano Letters</i> , 2015 , 15, 3309-16 | 11.5 | 88 |
| 135 | Evaluation of fish-injury mechanisms during exposure to turbulent shear flow. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005 , 62, 1513-1522 | 2.4 | 74 |
| 134 | Impacts of climate change, policy and Water-Energy-Food nexus on hydropower development. <i>Renewable Energy</i> , 2018 , 116, 827-834 | 8.1 | 71 |
| 133 | Envisioning the Future of Aquatic Animal Tracking: Technology, Science, and Application. <i>BioScience</i> , 2017 , 67, 884-896 | 5.7 | 71 |
| 132 | Assessing barotrauma in neutrally and negatively buoyant juvenile salmonids exposed to simulated hydro-turbine passage using a mobile aquatic barotrauma laboratory. <i>Fisheries Research</i> , 2010 , 106, 271-278 | 2.3 | 70 |
| 131 | Understanding Barotrauma in Fish Passing Hydro Structures: A Global Strategy for Sustainable Development of Water Resources. <i>Fisheries</i> , 2014 , 39, 108-122 | 1.1 | 61 |
| 130 | Tunable electrochemical properties of fluorinated graphene. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7866 | 13 | 57 |
| 129 | Ultra-low-head hydroelectric technology: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 78, 23-30 | 16.2 | 55 |
| 128 | Contributed Review: Source-localization algorithms and applications using time of arrival and time difference of arrival measurements. <i>Review of Scientific Instruments</i> , 2016 , 87, 041502 | 1.7 | 55 |

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|-----|---|------|----|
| 127 | Evaluation of blade-strike models for estimating the biological performance of Kaplan turbines. <i>Ecological Modelling</i> , 2007 , 208, 165-176 | 3 | 52 |
| 126 | Pathways of barotrauma in juvenile salmonids exposed to simulated hydroturbine passage: Boyle's law vs. Henry's law. <i>Fisheries Research</i> , 2012 , 121-122, 43-50 | 2.3 | 51 |
| 125 | Stretchable sensors for environmental monitoring. <i>Applied Physics Reviews</i> , 2019 , 6, 011309 | 17.3 | 50 |
| 124 | Six-Degree-of-Freedom Sensor Fish Design and Instrumentation. <i>Sensors</i> , 2007 , 7, 3399-3415 | 3.8 | 47 |
| 123 | A cabled acoustic telemetry system for detecting and tracking juvenile salmon: part 2. Three-dimensional tracking and passage outcomes. <i>Sensors</i> , 2011 , 11, 5661-76 | 3.8 | 42 |
| 122 | Use of an autonomous sensor to evaluate the biological performance of the advanced turbine at Wanapum Dam. <i>Journal of Renewable and Sustainable Energy</i> , 2010 , 2, 053104 | 2.5 | 41 |
| 121 | A cabled acoustic telemetry system for detecting and tracking juvenile salmon: part 1. Engineering design and instrumentation. <i>Sensors</i> , 2011 , 11, 5645-60 | 3.8 | 39 |
| 120 | Hybrid CFxAg ₂ V ₄ O ₁₁ as a high-energy, power density cathode for application in an underwater acoustic microtransmitter. <i>Electrochemistry Communications</i> , 2011 , 13, 1344-1344 | 5.1 | 38 |
| 119 | Assessing hydraulic conditions through Francis turbines using an autonomous sensor device. <i>Renewable Energy</i> , 2016 , 99, 1244-1252 | 8.1 | 36 |
| 118 | Hydrological Drought in the Anthropocene: Impacts of Local Water Extraction and Reservoir Regulation in the U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 11,313-11,328 | 4.4 | 35 |
| 117 | Piezoelectric Materials Used in Underwater Acoustic Transducers. <i>Sensor Letters</i> , 2012 , 10, 679-697 | 0.9 | 35 |
| 116 | An injectable acoustic transmitter for juvenile salmon. <i>Scientific Reports</i> , 2015 , 5, 8111 | 4.9 | 30 |
| 115 | The effect of rapid and sustained decompression on barotrauma in juvenile brook lamprey and Pacific lamprey: Implications for passage at hydroelectric facilities. <i>Fisheries Research</i> , 2012 , 129-130, 17-20 | 2.3 | 30 |
| 114 | The Effects of Total Dissolved Gas on Chum Salmon Fry Survival, Growth, Gas Bubble Disease, and Seawater Tolerance. <i>North American Journal of Fisheries Management</i> , 2013 , 33, 200-215 | 1.1 | 28 |
| 113 | Fish Passage Assessment of an Advanced Hydropower Turbine and Conventional Turbine Using Blade-Strike Modeling. <i>Energies</i> , 2011 , 4, 57-67 | 3.1 | 28 |
| 112 | Electrochemical performances of LiMnPO ₄ synthesized from non-stoichiometric Li/Mn ratio. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18099-106 | 3.6 | 27 |
| 111 | An Energy Harvesting Underwater Acoustic Transmitter for Aquatic Animals. <i>Scientific Reports</i> , 2016 , 6, 33804 | 4.9 | 27 |
| 110 | Design and implementation of a new autonomous sensor fish to support advanced hydropower development. <i>Review of Scientific Instruments</i> , 2014 , 85, 115001 | 1.7 | 26 |

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|-----|---|-----|----|
| 109 | Good Practices for Rechargeable Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A4141-A4149 | 3.9 | 26 |
| 108 | Design and instrumentation of a measurement and calibration system for an acoustic telemetry system. <i>Sensors</i> , 2010 , 10, 3090-9 | 3.8 | 25 |
| 107 | Mean flow and turbulence characteristics of a full-scale spiral corrugated culvert with implications for fish passage. <i>Ecological Engineering</i> , 2007 , 30, 333-340 | 3.9 | 23 |
| 106 | A piecewise regression approach for determining biologically relevant hydraulic thresholds for the protection of fishes at river infrastructure. <i>Journal of Fish Biology</i> , 2016 , 88, 1677-92 | 1.9 | 23 |
| 105 | Physical and hydraulic forces experienced by fish passing through three different low-head hydropower turbines. <i>Marine and Freshwater Research</i> , 2018 , 69, 1934 | 2.2 | 22 |
| 104 | Nonlinear Filtering Effects of Reservoirs on Flood Frequency Curves at the Regional Scale. <i>Water Resources Research</i> , 2017 , 53, 8277-8292 | 5.4 | 21 |
| 103 | Preface to Special Topic: Marine Renewable Energy. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 061601 | 2.5 | 21 |
| 102 | How low can they go when going with the flow? Tolerance of egg and larval fishes to rapid decompression. <i>Biology Open</i> , 2016 , 5, 786-93 | 2.2 | 21 |
| 101 | Improving hydroturbine pressures to enhance salmon passage survival and recovery. <i>Reviews in Fish Biology and Fisheries</i> , 2014 , 24, 955-965 | 6 | 20 |
| 100 | A comparison of implantation methods for large PIT tags or injectable acoustic transmitters in juvenile Chinook salmon. <i>Fisheries Research</i> , 2014 , 154, 213-223 | 2.3 | 19 |
| 99 | Injury and Mortality of Juvenile Salmon Entrained in a Submerged Jet Entering Still Water. <i>North American Journal of Fisheries Management</i> , 2010 , 30, 623-628 | 1.1 | 19 |
| 98 | Perspective: Towards environmentally acceptable criteria for downstream fish passage through mini hydro and irrigation infrastructure in the Lower Mekong River Basin. <i>Journal of Renewable and Sustainable Energy</i> , 2014 , 6, 012301 | 2.5 | 18 |
| 97 | Hydraulic and biological characterization of a large Kaplan turbine. <i>Renewable Energy</i> , 2019 , 131, 240-249. | 1 | 17 |
| 96 | Micro-battery development for juvenile salmon acoustic telemetry system applications. <i>Scientific Reports</i> , 2014 , 4, 3790 | 4.9 | 17 |
| 95 | Survival and Growth of Juvenile Snake River Fall Chinook Salmon Exposed to Constant and Fluctuating Temperatures. <i>Transactions of the American Fisheries Society</i> , 2010 , 139, 92-107 | 1.7 | 17 |
| 94 | Effects of a novel acoustic transmitter on swimming performance and predator avoidance of juvenile Chinook Salmon: Determination of a size threshold. <i>Fisheries Research</i> , 2016 , 176, 48-54 | 2.3 | 16 |
| 93 | A Hydropower Biological Evaluation Toolset (HBET) for Characterizing Hydraulic Conditions and Impacts of Hydro-Structures on Fish. <i>Energies</i> , 2018 , 11, 990 | 3.1 | 16 |
| 92 | A comparison of metrics to evaluate the effects of hydro-facility passage stressors on fish. <i>Environmental Reviews</i> , 2017 , 25, 1-11 | 4.5 | 16 |

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| 91 | The Effects of Neutrally Buoyant, Externally Attached Transmitters on Swimming Performance and Predator Avoidance of Juvenile Chinook Salmon. <i>Transactions of the American Fisheries Society</i> , 2012 , 141, 1424-1432 | 1.7 | 16 |
| 90 | Development of external and neutrally buoyant acoustic transmitters for juvenile salmon turbine passage evaluation. <i>Fisheries Research</i> , 2012 , 113, 94-105 | 2.3 | 16 |
| 89 | Design parameters of a miniaturized piezoelectric underwater acoustic transmitter. <i>Sensors</i> , 2012 , 12, 9098-109 | 3.8 | 16 |
| 88 | A 3D approximate maximum likelihood solver for localization of fish implanted with acoustic transmitters. <i>Scientific Reports</i> , 2014 , 4, 7215 | 4.9 | 15 |
| 87 | Response relationships between juvenile salmon and an autonomous sensor in turbulent flow. <i>Fisheries Research</i> , 2009 , 97, 134-139 | 2.3 | 14 |
| 86 | A small long-life acoustic transmitter for studying the behavior of aquatic animals. <i>Review of Scientific Instruments</i> , 2016 , 87, 114902 | 1.7 | 14 |
| 85 | Migration depth and residence time of juvenile salmonids in the forebays of hydropower dams prior to passage through turbines or juvenile bypass systems: implications for turbine-passage survival 2015 , 3, cou064 | | 13 |
| 84 | Comparing the survival rate of juvenile Chinook salmon migrating through hydropower systems using injectable and surgical acoustic transmitters. <i>Scientific Reports</i> , 2017 , 7, 42999 | 4.9 | 11 |
| 83 | Retention and effects of miniature transmitters in juvenile American eels. <i>Fisheries Research</i> , 2017 , 195, 52-58 | 2.3 | 11 |
| 82 | Design and implementation of an underwater sound recording device. <i>Sensors</i> , 2011 , 11, 8519-35 | 3.8 | 10 |
| 81 | Surface bypass as a means of protecting downstream-migrating fish: lack of standardised evaluation criteria complicates evaluation of efficacy. <i>Marine and Freshwater Research</i> , 2018 , 69, 1882 | 2.2 | 10 |
| 80 | Development of an ultra-low head siphon hydro turbine using computational fluid dynamics. <i>Energy</i> , 2019 , 181, 43-50 | 7.9 | 9 |
| 79 | Mortality, Transmitter Retention, Growth, and Wound Healing in Juvenile Salmon Injected with Micro Acoustic Transmitters. <i>Transactions of the American Fisheries Society</i> , 2016 , 145, 1047-1058 | 1.7 | 9 |
| 78 | Energetics of defects on graphene through fluorination. <i>ChemSusChem</i> , 2014 , 7, 1295-300 | 8.3 | 9 |
| 77 | Physical and ecological evaluation of a fish-friendly surface spillway. <i>Ecological Engineering</i> , 2018 , 110, 107-116 | 3.9 | 9 |
| 76 | Injury and mortality of two Mekong River species exposed to turbulent shear forces. <i>Marine and Freshwater Research</i> , 2018 , 69, 1945 | 2.2 | 9 |
| 75 | High fluid shear strain causes injury in silver shark: Preliminary implications for Mekong hydropower turbine design. <i>Fisheries Management and Ecology</i> , 2017 , 24, 193-198 | 1.8 | 8 |
| 74 | Monitoring the State-of-Charge of a Vanadium Redox Flow Battery with the Acoustic Attenuation Coefficient: An In Operando Noninvasive Method. <i>Small Methods</i> , 2019 , 3, 1900494 | 12.8 | 8 |

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| 73 | Three-dimensional tracking of juvenile salmon at a mid-reach location between two dams. <i>Fisheries Research</i> , 2015 , 167, 216-224 | 2.3 | 8 |
| 72 | Improving underwater localization accuracy with machine learning. <i>Review of Scientific Instruments</i> , 2018 , 89, 074902 | 1.7 | 8 |
| 71 | Prototype measurements of pressure fluctuations in The Dalles Dam stilling basin. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2007 , 45, 674-678 | 1.9 | 8 |
| 70 | Characterizing large river sounds: Providing context for understanding the environmental effects of noise produced by hydrokinetic turbines. <i>Journal of the Acoustical Society of America</i> , 2016 , 139, 85-92 | 2.2 | 8 |
| 69 | Characterization of a siphon turbine to accelerate low-head hydropower deployment. <i>Journal of Cleaner Production</i> , 2019 , 210, 35-42 | 10.3 | 8 |
| 68 | Evaluation of Boundary Dam spillway using an Autonomous Sensor Fish Device. <i>Journal of Hydro-Environment Research</i> , 2017 , 14, 85-92 | 2.3 | 7 |
| 67 | 200 kHz commercial sonar systems generate lower frequency side lobes audible to some marine mammals. <i>PLoS ONE</i> , 2014 , 9, e95315 | 3.7 | 7 |
| 66 | Sensitivity of Turbulence in Transpired Channel to Injection Velocity Small-Scale Nonuniformity. <i>AIAA Journal</i> , 2002 , 40, 2241-2246 | 2.1 | 7 |
| 65 | A field evaluation of an external and neutrally buoyant acoustic transmitter for juvenile salmon: implications for estimating hydroturbine passage survival. <i>PLoS ONE</i> , 2013 , 8, e77744 | 3.7 | 7 |
| 64 | Data Overview for Sensor Fish Samples Acquired at Ice Harbor, John Day, and Bonneville II Dams in 2005, 2006, and 2007 | | 7 |
| 63 | Tolerable ranges of fluid shear for early life-stage fishes: implications for safe fish passage at hydropower and irrigation infrastructure. <i>Marine and Freshwater Research</i> , 2019 , 70, 1503 | 2.2 | 6 |
| 62 | On the variable effects of climate change on Pacific salmon. <i>Ecological Modelling</i> , 2019 , 397, 95-106 | 3 | 6 |
| 61 | Design and performance of composite runner blades for ultra low head turbines. <i>Renewable Energy</i> , 2019 , 132, 1280-1289 | 8.1 | 6 |
| 60 | An experimental study on fish attraction using a fish barge model. <i>Fisheries Research</i> , 2019 , 210, 181-188 | 2.3 | 6 |
| 59 | Fundamental understanding and rational design of high energy structural microbatteries. <i>Nano Energy</i> , 2018 , 43, 310-316 | 17.1 | 6 |
| 58 | Over or under? Autonomous sensor fish reveals why overshot weirs may be safer than undershot weirs for fish passage. <i>Ecological Engineering</i> , 2019 , 132, 41-48 | 3.9 | 5 |
| 57 | Feasibility of tracking fish with acoustic transmitters in the Ice Harbor Dam tailrace. <i>Scientific Reports</i> , 2014 , 4, 4090 | 4.9 | 5 |
| 56 | Three-dimensional migration behavior of juvenile salmonids in reservoirs and near dams. <i>Scientific Reports</i> , 2018 , 8, 956 | 4.9 | 5 |

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| 55 | Comparison of 180-degree and 90-degree needle rotation to reduce wound size in PIT-injected juvenile Chinook salmon. <i>Fisheries Research</i> , 2013 , 143, 201-204 | 2.3 | 5 |
| 54 | Performance of an acoustic telemetry system in a large fishway. <i>Animal Biotelemetry</i> , 2015 , 3, | 2.8 | 5 |
| 53 | Piezoelectric transducer design for a miniaturized injectable acoustic transmitter. <i>Smart Materials and Structures</i> , 2015 , 24, 115010 | 3.4 | 5 |
| 52 | A fast and accurate decoder for underwater acoustic telemetry. <i>Review of Scientific Instruments</i> , 2014 , 85, 074903 | 1.7 | 5 |
| 51 | The effect of an externally attached neutrally buoyant transmitter on mortal injury during simulated hydroturbine passage. <i>Journal of Renewable and Sustainable Energy</i> , 2012 , 4, 013107 | 2.5 | 5 |
| 50 | Compliance Monitoring of Yearling and Subyearling Chinook Salmon and Juvenile Steelhead Survival and Passage at John Day Dam, 2012 | | 5 |
| 49 | In situ characterization of turbine hydraulic environment to support development of fish-friendly hydropower guidelines in the lower Mekong River region. <i>Ecological Engineering</i> , 2019 , 133, 88-97 | 3.9 | 4 |
| 48 | Juvenile Chinook Salmon Survival When Exposed to Simulated Dam Passage after Being Implanted with a New Microacoustic Transmitter. <i>North American Journal of Fisheries Management</i> , 2018 , 38, 940-952 | 1.1 | 4 |
| 47 | Broadband Acoustic Environment at a Tidal Energy Site in Puget Sound. <i>Marine Technology Society Journal</i> , 2012 , 46, 65-73 | 0.5 | 4 |
| 46 | Aquatic acoustic metrics interface utility for underwater sound monitoring and analysis. <i>Sensors</i> , 2012 , 12, 7438-50 | 3.8 | 4 |
| 45 | Structure of turbulence in channel flow with a fully transpired wall 2001 , | | 4 |
| 44 | Factors affecting route selection and survival of steelhead kelts at Snake River dams in 2012 and 2013 | | 4 |
| 43 | Passage Distribution and Federal Columbia River Power System Survival for Steelhead Kelts Tagged Above and at Lower Granite Dam, Year 2 | | 4 |
| 42 | Evaluation of a Low-Cost and Accurate Ocean Temperature Logger on Subsurface Mooring Systems. <i>Marine Technology Society Journal</i> , 2014 , 48, 146-154 | 0.5 | 3 |
| 41 | Timed Communication Buoy System: A Subsurface Mooring System for Efficient Sensor Data Recovery. <i>Marine Technology Society Journal</i> , 2015 , 49, 117-126 | 0.5 | 3 |
| 40 | Quantifying reception strength and omnidirectionality of underwater radio telemetry antennas: Advances and applications for fisheries research. <i>Fisheries Research</i> , 2012 , 121-122, 1-8 | 2.3 | 3 |
| 39 | Design and Implementation of a Marine Animal Alert System to Support Marine Renewable Energy. <i>Marine Technology Society Journal</i> , 2013 , 47, 113-121 | 0.5 | 3 |
| 38 | Target Strength of Southern Resident Killer Whales (<i>Orcinus orca</i>): Measurement and Modeling. <i>Marine Technology Society Journal</i> , 2012 , 46, 74-84 | 0.5 | 3 |

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| 37 | Passage Distribution and Federal Columbia River Power System Survival for Steelhead Kelts Tagged Above and at Lower Granite Dam, Year 2 | | 3 |
| 36 | Study of Fish Response Using Particle Image Velocimetry and High-Speed, High-Resolution Imaging | | 3 |
| 35 | Smolt Responses to Hydrodynamic Conditions in Forebay Flow Nets of Surface Flow Outlets, 2007 | | 3 |
| 34 | Acoustic Telemetry Evaluation of Juvenile Salmonid Passage and Survival at John Day Dam with Emphasis on the Prototype Surface Flow Outlet, 2008 | | 3 |
| 33 | Coupled Modeling of Hydrodynamics and Sound in Coastal Ocean for Renewable Ocean Energy Development. <i>Marine Technology Society Journal</i> , 2016 , 50, 27-36 | 0.5 | 3 |
| 32 | Irrigation, fisheries and Sustainable Development Goals: the importance of working collaboratively to end world hunger and malnutrition. <i>Marine and Freshwater Research</i> , 2019 , 70, i | 2.2 | 3 |
| 31 | Implantation of a New Micro Acoustic Tag in Juvenile Pacific Lamprey and American Eel. <i>Journal of Visualized Experiments</i> , 2019 , | 1.6 | 2 |
| 30 | Environmental Issues Related to Conventional Hydropower 2016 , 404-409 | | 2 |
| 29 | Compliance Monitoring of Subyearling Chinook Salmon Survival and Passage at The Dalles Dam, Summer 2012 | | 2 |
| 28 | Biological Assessment of the Advanced Turbine Design at Wanapum Dam, 2005 | | 2 |
| 27 | Evaluation of a Behavioral Guidance Structure at Bonneville Dam Second Powerhouse including Passage Survival of Juvenile Salmon and Steelhead using Acoustic Telemetry, 2008 | | 2 |
| 26 | Autonomous Ocean Turbulence Measurements From a Moored Upwardly Rising Profiler Based on a Buoyancy-Driven Mechanism. <i>Marine Technology Society Journal</i> , 2017 , 51, 12-22 | 0.5 | 2 |
| 25 | In situ characterization of the biological performance of a Francis turbine retrofitted with a modular guide vane. <i>Applied Energy</i> , 2020 , 276, 115492 | 10.7 | 2 |
| 24 | From 95 to 59 millimetres: a new active acoustic tag size guideline for salmon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021 , 78, 943-957 | 2.4 | 2 |
| 23 | A large dataset of detection and submeter-accurate 3-D trajectories of juvenile Chinook salmon. <i>Scientific Data</i> , 2021 , 8, 211 | 8.2 | 2 |
| 22 | A reliable sealing method for microbatteries. <i>Journal of Power Sources</i> , 2017 , 341, 443-447 | 8.9 | 1 |
| 21 | Experimental and Numerical Modeling Tools for Conventional Hydropower Systems 2016 , 448-464 | | 1 |
| 20 | The effect of fish bodies on the source level and beam pattern of acoustic transmitters in juvenile Chinook salmon. <i>Journal of the Acoustical Society of America</i> , 2019 , 145, EL554 | 2.2 | 1 |

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| 19 | How Small Can We Go? Evaluating Survival, Tag Retention, and Growth of Juvenile Chinook Salmon Implanted with a New Acoustic Microtag. <i>North American Journal of Fisheries Management</i> , 2019 , 39, 1329-1336 | 1.1 | 1 |
| 18 | 2012, | | 1 |
| 17 | Water Velocity Measurements on a Vertical Barrier Screen at the Bonneville Dam Second Powerhouse. <i>Energies</i> , 2011 , 4, 2038-2048 | 3.1 | 1 |
| 16 | Turbulence in the Core of a Transpired Channel 2005, | | 1 |
| 15 | Bio-inspired bistable piezoelectric energy harvester for powering animal telemetry tags: Conceptual design and preliminary experimental validation. <i>Renewable Energy</i> , 2022 , 187, 34-43 | 8.1 | 1 |
| 14 | Gambusia holbrooki Survive Shear Stress, Pressurization and Avoid Blade Strike in a Simulated Pumped Hydroelectric Scheme. <i>Frontiers in Environmental Science</i> , 2020 , 8, | 4.8 | 1 |
| 13 | Renewable Ammonia as an Energy Fuel for Ocean Exploration and Transportation. <i>Marine Technology Society Journal</i> , 2020 , 54, 126-136 | 0.5 | 1 |
| 12 | Six-Degree-of-Freedom Sensor Fish Design: Governing Equations and Motion Modeling | | 1 |
| 11 | Hydropower development and fish management: a food-water-energy nexus requiring international and multidisciplinary approach. <i>Marine and Freshwater Research</i> , 2018 , 69, i | 2.2 | 1 |
| 10 | Evaluation of a fish-friendly self-cleaning horizontal irrigation screen using autonomous sensors. <i>Marine and Freshwater Research</i> , 2019 , 70, 1274 | 2.2 | 1 |
| 9 | Deep Learning for Automated Detection and Identification of Migrating American Eel <i>Anguilla rostrata</i> from Imaging Sonar Data. <i>Remote Sensing</i> , 2021 , 13, 2671 | 5 | 1 |
| 8 | Integrating Hybrid-Clustering and Localized Regression for Time Synchronization of a Hierarchical Underwater Acoustic Sensor Array 2019, | | 1 |
| 7 | A Cloud-Based Decision Support System Framework for Hydropower Biological Evaluation. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 517-529 | 0.4 | 1 |
| 6 | Investigating feasible light configurations for fish restoration: An ethological insight. <i>Fisheries Research</i> , 2021 , 234, 105807 | 2.3 | 1 |
| 5 | Underwater Noise Measurements around a Tidal Turbine in a Busy Port Setting. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 632 | 2.4 | 1 |
| 4 | . <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 0 |
| 3 | An acoustic micro-transmitter enabling tracking of sensitive aquatic species in riverine and estuarine environments. <i>Cell Reports Physical Science</i> , 2021 , 2, 100411 | 6.1 | 0 |
| 2 | A real-time underwater acoustic telemetry receiver with edge computing for studying fish behavior and environmental sensing. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1 | 10.7 | 0 |

- 1 An Implantable Biomechanical Energy Harvester for Animal Monitoring Devices. *Nano Energy*, **2022**, 107290. [DOI](#) 