

Pekka J Vuorinen

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

2,250
citations

172457

29
h-index

243625

44
g-index

77
all docs

77
docs citations

77
times ranked

1953
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Distribution of perfluoroalkyl acids in fish species from the Baltic Sea and freshwaters in Finland. <i>Chemosphere</i> , 2022, 291, 132688. | 8.2 | 12 |
| 2 | High Lipid Content of Prey Fish and ω -3 PUFA Peroxidation Impair the Thiamine Status of Feeding-Migrating Atlantic Salmon (<i>Salmo salar</i>) and Is Reflected in Hepatic Biochemical Indices. <i>Biomolecules</i> , 2022, 12, 526. | 4.0 | 3 |
| 3 | Model for estimating thiamine deficiency-related mortality of Atlantic salmon (<i>Salmo salar</i>) offspring and variation in the Baltic salmon M74 syndrome. <i>Marine and Freshwater Behaviour and Physiology</i> , 2021, 54, 97-131. | 0.9 | 4 |
| 4 | Changes in thiamine concentrations, fatty acid composition, and some other lipid-related biochemical indices in Baltic Sea Atlantic salmon (<i>Salmo salar</i>) during the spawning run and pre-spawning fasting. <i>Helgoland Marine Research</i> , 2020, 74, . | 1.3 | 14 |
| 5 | How to preserve and handle fish liver samples to conserve RNA integrity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17204-17213. | 5.3 | 4 |
| 6 | Fatty acid signatures connect thiamine deficiency with the diet of the Atlantic salmon (<i>Salmo salar</i>) feeding in the Baltic Sea. <i>Marine Biology</i> , 2018, 165, 161. | 1.5 | 20 |
| 7 | Oxygen and carbon isoscapes for the Baltic Sea: Testing their applicability in fish migration studies. <i>Ecology and Evolution</i> , 2017, 7, 2255-2267. | 1.9 | 35 |
| 8 | Influence of the marine feeding area on the muscle and egg fatty acid composition of Atlantic salmon <i>Salmo salar</i> spawners estimated from the scale stable isotopes. <i>Journal of Fish Biology</i> , 2017, 90, 1717-1733. | 1.6 | 9 |
| 9 | Baseline concentrations of biliary PAH metabolites in perch (<i>Perca fluviatilis</i>) in the open Gulf of Finland and in two coastal areas. <i>Journal of Marine Systems</i> , 2017, 171, 134-140. | 2.1 | 4 |
| 10 | Review of organohalogen toxicants in fish from the Gulf of Finland. <i>Journal of Marine Systems</i> , 2017, 171, 141-150. | 2.1 | 13 |
| 11 | Fatty acid composition of sprat (<i>Sprattus sprattus</i>) and herring (<i>Clupea harengus</i>) in the Baltic Sea as potential prey for salmon (<i>Salmo salar</i>). <i>Helgoland Marine Research</i> , 2017, 71, . | 1.3 | 33 |
| 12 | Perfluoroalkyl acids in various edible Baltic, freshwater, and farmed fish in Finland. <i>Chemosphere</i> , 2015, 129, 186-191. | 8.2 | 42 |
| 13 | Levels and Congener Profiles of PBDEs in Edible Baltic, Freshwater, and Farmed Fish in Finland. <i>Environmental Science & Technology</i> , 2015, 49, 3851-3859. | 10.0 | 19 |
| 14 | Migratory connectivity of two Baltic Sea salmon populations: retrospective analysis using stable isotopes of scales. <i>ICES Journal of Marine Science</i> , 2014, 71, 336-344. | 2.5 | 34 |
| 15 | Organohalogen concentrations and feeding status in Atlantic salmon (<i>Salmo salar</i> L.) of the Baltic Sea during the spawning run. <i>Science of the Total Environment</i> , 2014, 468-469, 449-456. | 8.0 | 22 |
| 16 | Time trends and congener profiles of PCDD/Fs, PCBs, and PBDEs in Baltic herring off the coast of Finland during 1978–2009. <i>Chemosphere</i> , 2014, 114, 165-171. | 8.2 | 43 |
| 17 | Interlaboratory Proficiency Testing for Measurement of the Polycyclic Aromatic Hydrocarbon Metabolite 1-Hydroxypyrene in Fish Bile for Marine Environmental Monitoring. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 635-641. | 1.5 | 19 |
| 18 | The thiamine deficiency syndrome M74, a reproductive disorder of Atlantic salmon (<i>Salmo salar</i>) feeding in the Baltic Sea, is related to the fat and thiamine content of prey fish. <i>ICES Journal of Marine Science</i> , 2012, 69, 516-528. | 2.5 | 51 |

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|----|---|------|-----------|
| 19 | Biomagnification of organohalogens in Atlantic salmon (<i>Salmo salar</i>) from its main prey species in three areas of the Baltic Sea. <i>Science of the Total Environment</i> , 2012, 421-422, 129-143. | 8.0 | 37 |
| 20 | Short- and long-term patterns of ¹³⁷ Cs in fish and other aquatic organisms of small forest lakes in southern Finland since the Chernobyl accident. <i>Journal of Environmental Radioactivity</i> , 2012, 103, 41-47. | 1.7 | 24 |
| 21 | Relationships between fish stock changes in the Baltic Sea and the M74 syndrome, a reproductive disorder of Atlantic salmon (<i>Salmo salar</i>). <i>ICES Journal of Marine Science</i> , 2011, 68, 2134-2144. | 2.5 | 31 |
| 22 | Concentrations of organotin compounds in various fish species in the Finnish lake waters and Finnish coast of the Baltic Sea. <i>Science of the Total Environment</i> , 2010, 408, 2474-2481. | 8.0 | 32 |
| 23 | Elevated water temperature impairs fertilization and embryonic development of whitefish <i>Coregonus lavaretus</i> . <i>Journal of Fish Biology</i> , 2010, 76, 502-521. | 1.6 | 35 |
| 24 | Organotin intake through fish consumption in Finland. <i>Environmental Research</i> , 2010, 110, 544-547. | 7.5 | 39 |
| 25 | Accumulation and Effects of Nodularin from a Single and Repeated Oral Doses of Cyanobacterium <i>Nodularia spumigena</i> on Flounder (<i>Platichthys flesus</i> L.). <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 57, 164-173. | 4.1 | 25 |
| 26 | Biological indications of contaminant exposure in Atlantic cod (<i>Gadus morhua</i>) in the Baltic Sea. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 1122-1134. | 1.4 | 14 |
| 27 | Coupling stable isotopes with bioenergetics to evaluate sources of variation in organochlorine concentrations in Baltic salmon (<i>Salmo salar</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2114-2126. | 1.4 | 15 |
| 28 | Human Dietary Intake of Organochlorines from Baltic Herring: Implications of Individual Fish Variability and Fisheries Management. <i>Ambio</i> , 2007, 36, 257-264. | 5.5 | 13 |
| 29 | Predicting Effects of Exploitation Rate on Weight-at-Age, Population Dynamics, and Bioaccumulation of PCDD/Fs and PCBs in Herring (<i>Clupea harengus</i> L.) in the Northern Baltic Sea. <i>Environmental Science & Technology</i> , 2007, 41, 1849-1855. | 10.0 | 19 |
| 30 | Polychlorinated dibenzo-p-dioxins, dibenzofurans, biphenyls, naphthalenes and polybrominated diphenyl ethers in the edible fish caught from the Baltic Sea and lakes in Finland. <i>Environmental Pollution</i> , 2006, 141, 213-225. | 7.5 | 121 |
| 31 | The dependence of organohalogen compound concentrations on herring age and size in the Bothnian Sea, northern Baltic. <i>Marine Pollution Bulletin</i> , 2006, 52, 149-161. | 5.0 | 62 |
| 32 | Biomarker responses as indication of contaminant effects in blue mussel (<i>Mytilus edulis</i>) and female eelpout (<i>Zoarces viviparus</i>) from the southwestern Baltic Sea. <i>Marine Pollution Bulletin</i> , 2006, 53, 387-405. | 5.0 | 118 |
| 33 | Use of biliary PAH metabolites as a biomarker of pollution in fish from the Baltic Sea. <i>Marine Pollution Bulletin</i> , 2006, 53, 479-487. | 5.0 | 114 |
| 34 | The BEEP project in the Baltic Sea: Overview of results and outline for a regional biological effects monitoring strategy. <i>Marine Pollution Bulletin</i> , 2006, 53, 523-537. | 5.0 | 85 |
| 35 | Measurements of biomarker levels in flounder (<i>Platichthys flesus</i>) and blue mussel (<i>Mytilus</i>) | 5.0 | 84 |
| 36 | Biomarker responses in flounder (<i>Platichthys flesus</i>) and mussel (<i>Mytilus edulis</i>) in the Klaipėda area (Baltic Sea). <i>Marine Pollution Bulletin</i> , 2006, 53, 422-436. | 5.0 | 84 |

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|----|--|-----|-----------|
| 37 | Biochemical biomarkers in adult female perch (<i>Perca fluviatilis</i>) in a chronically polluted gradient in the Stockholm recipient (Sweden). <i>Marine Pollution Bulletin</i> , 2006, 53, 451-468. | 5.0 | 28 |
| 38 | Developmental disturbances in early life stage mortality (M74) of Baltic salmon fry as studied by changes in gene expression. <i>BMC Genomics</i> , 2006, 7, 56. | 2.8 | 18 |
| 39 | Estimation of annual mortality rates caused by early mortality syndromes (EMS) and their impact on salmonid stock–recruit relationships. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1968-1981. | 1.4 | 8 |
| 40 | Acute effects on perch (<i>Perca fluviatilis</i>) and long-term effects on whitefish (<i>Coregonus lavaretus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.7 | 2 |
| 41 | Physiological status of whitefish (<i>Coregonus lavaretus pallasii</i>) prior to spawning in lakes of differing acidity. <i>Aquatic Sciences</i> , 2004, 66, 305. | 1.5 | 5 |
| 42 | A COMPARISON OF HPLC WITH FLUORESCENCE DETECTION AND FIXED WAVELENGTH FLUORESCENCE METHODS FOR THE DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBON METABOLITES IN FISH BILE. <i>Polycyclic Aromatic Compounds</i> , 2004, 24, 333-342. | 2.6 | 29 |
| 43 | The susceptibility of early developmental phases of an acid-tolerant and acid-sensitive fish species to acidity and aluminum. <i>Ecotoxicology and Environmental Safety</i> , 2004, 58, 160-172. | 6.0 | 6 |
| 44 | Baltic salmon (<i>Salmo salar</i>) yolk-sac fry mortality is associated with disturbances in the function of hypoxia-inducible transcription factor (HIF-1 \pm) and consecutive gene expression. <i>Aquatic Toxicology</i> , 2004, 68, 301-313. | 4.0 | 51 |
| 45 | Reproduction, blood and plasma parameters and gill histology of vendace (<i>Coregonus albula</i> L.) in long-term exposure to acidity and aluminum. <i>Ecotoxicology and Environmental Safety</i> , 2003, 54, 255-276. | 6.0 | 32 |
| 46 | Fertilization and embryonic development of whitefish (<i>Coregonus lavaretus lavaretus</i>) in acidic low-ionic-strength water with aluminum. <i>Ecotoxicology and Environmental Safety</i> , 2003, 55, 314-329. | 6.0 | 17 |
| 47 | Effects of temperature on the recovery of juvenile grayling (<i>Thymallus thymallus</i>) from exposure to Al+Fe. <i>Aquatic Toxicology</i> , 2003, 65, 73-84. | 4.0 | 17 |
| 48 | PCDD, PCDF, PCB and thiamine in Baltic herring (<i>Clupea harengus</i> L.) and sprat [<i>Sprattus sprattus</i> (L.)] as a background to the M74 syndrome of Baltic salmon (<i>Salmo salar</i> L.). <i>ICES Journal of Marine Science</i> , 2002, 59, 480-496. | 2.5 | 44 |
| 49 | Screening for cyanobacterial hepatotoxins in herring and salmon from the Baltic Sea. <i>Aquatic Ecosystem Health and Management</i> , 2002, 5, 451-456. | 0.6 | 27 |
| 50 | Acute effects and bioaccumulation of nodularin in sea trout (<i>Salmo trutta m. trutta</i> L.) exposed orally to <i>Nodularia spumigena</i> under laboratory conditions. <i>Aquatic Toxicology</i> , 2002, 61, 155-168. | 4.0 | 70 |
| 51 | Effects of furazolidone, PCB77, PCB126, Aroclor 1248, paraquat and p,p'-DDE on transketolase activity in embryonal chicken brain. <i>Toxicology</i> , 2002, 173, 203-210. | 4.2 | 4 |
| 52 | Comparison of the responses of the yolk-sac fry of pike (<i>Esox lucius</i>) and roach (<i>Rutilus rutilus</i>) to low pH and aluminium: sodium influx, development and activity. <i>Aquatic Toxicology</i> , 2000, 47, 161-179. | 4.0 | 15 |
| 53 | Radioactive strontium (⁸⁵ Sr) in marking newly hatched pike and success of stocking. <i>Journal of Fish Biology</i> , 1998, 52, 268-280. | 1.6 | 8 |
| 54 | Ion Regulation in Whitefish (<i>Coregonus lavaretus</i> L.) Yolk-Sac Fry Exposed to Low pH and Aluminum at Low and Moderate Ionic Strength. <i>Ecotoxicology and Environmental Safety</i> , 1998, 40, 166-172. | 6.0 | 10 |

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|----|--|------|-----------|
| 55 | Comparisons and temporal trends of organochlorines and heavy metals in fish from the gulf of Bothnia. <i>Marine Pollution Bulletin</i> , 1998, 36, 236-240. | 5.0 | 10 |
| 56 | The M74 syndrome of baltic salmon (<i>Salmo salar</i>) and organochlorine concentrations in the muscle of female salmon. <i>Chemosphere</i> , 1997, 34, 1151-1166. | 8.2 | 40 |
| 57 | 2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN EQUIVALENTS IN EXTRACTS OF BALTIC WHITE-TAILED SEA EAGLES. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 1533. | 4.3 | 5 |
| 58 | Concentrations of PCBs and other organochlorine compounds in eels (<i>Anguilla anguilla</i> , L.) of the Vanajavesi watercourse in southern Finland, 1990-1993. <i>Science of the Total Environment</i> , 1996, 187, 11-18. | 8.0 | 22 |
| 59 | How many fish populations in Finland are affected by acid precipitation?. <i>Environmental Biology of Fishes</i> , 1995, 42, 51-63. | 1.0 | 55 |
| 60 | Contents and origin of polychlorinated diphenyl ethers (PCDE) in salmon from the Baltic Sea, Lake Saimaa and the Tenojoki river in Finland. <i>Chemosphere</i> , 1993, 27, 2365-2380. | 8.2 | 29 |
| 61 | Studies on toxaphene in the environment. II. PCCs in Baltic and Arctic Sea and lake fish. <i>Chemosphere</i> , 1993, 27, 2011-2015. | 8.2 | 14 |
| 62 | Lethal and sublethal threshold values of aluminium and acidity to pike (<i>Esox lucius</i>), whitefish (<i>Coregonus lavaretus pallasii</i>), pike perch (<i>Stizostedion lucioperca</i>) and roach (<i>Rutilus rutilus</i>) yolk-sac fry. <i>Science of the Total Environment</i> , 1993, 134, 953-967. | 8.0 | 19 |
| 63 | Effects of acidity and aluminium on fish gills in laboratory experiments and in the field. <i>Science of the Total Environment</i> , 1993, 134, 979-988. | 8.0 | 9 |
| 64 | Reproductive status, blood chemistry, gill histology and growth of perch (<i>Perca fluviatilis</i>) in three acidic lakes. <i>Environmental Pollution</i> , 1992, 78, 19-27. | 7.5 | 21 |
| 65 | Whitefish stocking in acidified lakes: ecological and physiological responses. <i>Hydrobiologia</i> , 1992, 243-244, 277-282. | 2.0 | 7 |
| 66 | Whitefish stocking in acidified lakes: ecological and physiological responses. , 1992, , 277-282. | | 1 |
| 67 | Long-Term Exposure of Adult Whitefish (<i>Coregonus wartmanni</i>) to Low pH/Aluminium: Effects on Reproduction, Growth, Blood Composition and Gills. , 1990, , 941-961. | | 11 |
| 68 | Effects of bleached kraft mill effluent (BKME) on the schooling behavior of vendace (<i>Coregonus</i>) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 2 | 2.7 | 9 |
| 69 | Avoidance of bleached kraft mill effluent by pre-exposed <i>Coregonus albula</i> L.. <i>Water Research</i> , 1989, 23, 1219-1227. | 11.3 | 21 |
| 70 | Toxic significance of planar aromatic compounds in Baltic ecosystem - New studies on extremely toxic coplanar PCBs. <i>Chemosphere</i> , 1989, 18, 1067-1077. | 8.2 | 80 |
| 71 | Dioxins and other planar polychloroaromatic compounds in Baltic, Finnish and Arctic Fish samples. <i>Chemosphere</i> , 1989, 19, 527-530. | 8.2 | 50 |
| 72 | Acidification affects the perch, <i>Perca fluviatilis</i> , populations in small lakes, of southern Finland. <i>Environmental Biology of Fishes</i> , 1988, 21, 231-239. | 1.0 | 40 |

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|----|---|-----|-----------|
| 73 | Chlorinated anisoles and veratroles in fish. Model compounds. Instrumental and sensory determinations. Chemosphere, 1987, 16, 1231-1241. | 8.2 | 26 |
| 74 | Dioxins and related aromatic chloroethers in Baltic wildlife. Chemosphere, 1987, 16, 1787-1790. | 8.2 | 17 |
| 75 | Effects of bleached kraft mill effluent on early life stages of brown trout (<i>Salmo trutta</i> L.). Ecotoxicology and Environmental Safety, 1987, 14, 117-128. | 6.0 | 18 |
| 76 | Organochlorine compounds in Baltic salmon and trout. I. Chlorinated hydrocarbons and chlorophenols 1982. Chemosphere, 1985, 14, 1729-1740. | 8.2 | 22 |