

Lucy E J Lee

List of Publications by Year in descending order

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76
papers

3,081
citations

230014

27
h-index

182931

54
g-index

76
all docs

76
docs citations

76
times ranked

3185
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrity and wound healing of rainbow trout intestinal epithelial cell sheets at hypo-, normo-, and hyper-thermic temperatures. <i>Journal of Thermal Biology</i> , 2022, 103, 103147.	1.1	3
2	Beneficial and detrimental effects of the phytochemical naringenin on rainbow trout intestinal epithelial cells. <i>Journal of Functional Foods</i> , 2020, 64, 103653.	1.6	2
3	Cell-based data to predict the toxicity of chemicals to fish. Commentary on the manuscript by Rodrigues et al., 2019. Cell-based assays seem not to accurately predict fish short-term toxicity of pesticides. <i>Environmental Pollution</i> 252:476–482. <i>Environmental Pollution</i> , 2019, 254, 113060.	3.7	1
4	VER-155008 induced Hsp70 proteins expression in fish cell cultures while impeding replication of two RNA viruses. <i>Antiviral Research</i> , 2019, 162, 151-162.	1.9	10
5	Responses of rainbow trout intestinal epithelial cells to different kinds of nutritional deprivation. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 1197-1214.	0.9	10
6	Effect of selenomethionine on cell viability and heat shock protein 70 levels in rainbow trout intestinal epithelial cells at hypo-, normo-, and hyper-thermic temperatures. <i>Journal of Thermal Biology</i> , 2018, 76, 107-114.	1.1	6
7	Development of a continuous cell line from larval Atlantic cod (<i>Gadus morhua</i>) and its use in the study of the microsporidian, <i>Loma morhua</i> . <i>Journal of Fish Diseases</i> , 2018, 41, 1359-1372.	0.9	3
8	Genotoxic action of naphthenic acids on the fish macrophage cell line, RTS11. <i>International Journal of Environment and Pollution</i> , 2018, 63, 117.	0.2	0
9	Invitromatics, invitrome, and invitroomics: introduction of three new terms for in vitro biology and illustration of their use with the cell lines from rainbow trout. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 383-405.	0.7	71
10	Responses of an American eel brain endothelial-like cell line to selenium deprivation and to selenite, selenate, and selenomethionine additions in different exposure media. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 940-953.	0.7	5
11	Alternative approaches to vertebrate ecotoxicity tests in the 21st century: A review of developments over the last 2 decades and current status. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2637-2646.	2.2	92
12	Development of a cell line from the American eel brain expressing endothelial cell properties. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016, 52, 395-409.	0.7	25
13	Prolonged survival but ultimate cell death of the rainbow trout macrophage cell line, RTS11, under different starvation regimens. <i>Fish and Shellfish Immunology</i> , 2016, 53, 118.	1.6	0
14	Senescence-associated β -galactosidase staining in fish cell lines and primary cultures from several tissues and species, including rainbow trout coelomic fluid and milt. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 361-371.	0.7	22
15	Development of a walleye cell line and use to study the effects of temperature on infection by viral haemorrhagic septicaemia virus group <i>IVb</i> . <i>Journal of Fish Diseases</i> , 2015, 38, 121-136.	0.9	32
16	Proteomic responses in the gills of fathead minnows (<i>Pimephales promelas</i> , Rafinesque, 1820) after 6 months and 2 years of continuous exposure to environmentally relevant dietary ²²⁶ Ra. <i>International Journal of Radiation Biology</i> , 2015, 91, 248-256.	1.0	7
17	Development and characterization of an endothelial cell line from the bulbus arteriosus of walleye, <i>Sander vitreus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 180, 57-67.	0.8	18
18	Derivation of a continuous myogenic cell culture from an embryo of common killifish, <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 175, 15-27.	0.8	20

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19	Cytotoxicity evaluation of silica nanoparticles using fish cell lines. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, 50, 427-438.	0.7	40
20	A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 506-530.	1.3	139
21	Rapid assessment of the toxicity of oil sands process-affected waters using fish cell lines. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 52-65.	0.7	19
22	The Use of Fish-Derived Cell Lines for Investigation of Environmental Contaminants: An Update Following OECD's Fish Toxicity Testing Framework No. 171. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2013, 56, Unit1.5.	1.1	37
23	Long-term storage and impedance-based water toxicity testing capabilities of fluidic biochips seeded with RTgill-W1 cells. <i>Toxicology in Vitro</i> , 2012, 26, 736-745.	1.1	38
24	Development of a rainbow trout intestinal epithelial cell line and its response to lipopolysaccharide. <i>Aquaculture Nutrition</i> , 2011, 17, e241-e252.	1.1	117
25	In vitro growth of microsporidia <i>Anncaliia algerae</i> in cell lines from warm water fish. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011, 47, 104-113.	0.7	24
26	Misidentification of OLGA-PH-J/92, believed to be the only crustacean cell line. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011, 47, 665-674.	0.7	9
27	A comparison of rainbow trout cell lines for their expression of the major histocompatibility complex genes and the induction of beta-2-microglobulin by dsRNA. <i>Fish and Shellfish Immunology</i> , 2010, 29, 312-318.	1.6	12
28	Establishment of long term cultures of neural stem cells from adult sea bass, <i>Dicentrarchus labrax</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 245-254.	0.8	36
29	Development of a zebrafish spleen cell line, ZSSJ, and its growth arrest by gamma irradiation and capacity to act as feeder cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009, 45, 163-174.	0.7	19
30	Animal cell cultures in microsporidial research: their general roles and their specific use for fish microsporidia. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009, 45, 135-147.	0.7	29
31	Applications and potential uses of fish gill cell lines: examples with RTgill-W1. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009, 45, 127-134.	0.7	88
32	Effects of ibuprofen on the viability and proliferation of rainbow trout liver cell lines and potential problems and interactions in effects assessment. <i>Environmental Toxicology</i> , 2009, 24, 157-165.	2.1	27
33	Microfluidic system with integrated electroosmotic pumps, concentration gradient generator and fish cell line (RTgill-W1) towards water toxicity testing. <i>Lab on A Chip</i> , 2009, 9, 3243.	3.1	54
34	Fish cell lines as rapid and inexpensive screening and supplemental tools for whole effluent testing. <i>Integrated Environmental Assessment and Management</i> , 2008, 4, 372-374.	1.6	10
35	Comparative oxygen radical formation and toxicity of BDE 47 in rainbow trout cell lines. <i>Marine Environmental Research</i> , 2008, 66, 7-8.	1.1	30
36	Developing a list of reference chemicals for testing alternatives to whole fish toxicity tests. <i>Aquatic Toxicology</i> , 2008, 90, 128-137.	1.9	49

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37	Initiation of a Zebrafish Blastula Cell Line on Rainbow Trout Stromal Cells and Subsequent Development Under Feeder-Free Conditions into a Cell Line, ZEB2J. <i>Zebrafish</i> , 2008, 5, 49-63.	0.5	30
38	Inactivation of the Bacteriophage MS2 by the Ciliated Protozoan, <i>Tetrahymena thermophila</i> . <i>Water Quality Research Journal of Canada</i> , 2008, 43, 69-76.	1.2	9
39	Fish Cell Lines as Rapid and Inexpensive Screening and Supplemental Tools for Whole Effluent Testing. <i>Integrated Environmental Assessment and Management</i> , 2008, 4, 372.	1.6	6
40	Use of <i>Tetrahymena thermophila</i> To Study the Role of Protozoa in Inactivation of Viruses in Water. <i>Applied and Environmental Microbiology</i> , 2007, 73, 643-649.	1.4	48
41	Gill and liver histopathological changes in yellow perch (<i>Perca flavescens</i>) and goldfish (<i>Carassius</i>) Tj ETQq1 1 0.784314 rgBT /Overload 63, 365-377.	2.9	135
42	The effects of salinity on naphthenic acid toxicity to yellow perch: Gill and liver histopathology. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 252-264.	2.9	117
43	Development of a Fluorescent Multiwell Assay for Evaluating the Capacity of the Ciliated Protozoan <i>Tetrahymena</i> for Bacterivory in Water Samples. <i>Water Quality Research Journal of Canada</i> , 2006, 41, 307-315.	1.2	11
44	High yield and rapid growth of <i>Neoparamoeba pemaquidensis</i> in co-culture with a rainbow trout gill-derived cell line RTgill-W1. <i>Journal of Fish Diseases</i> , 2006, 29, 467-480.	0.9	18
45	A Cell Line (HEW) from Embryos of Haddock (<i>Melanogrammus aeglefinus</i>) and Its Capacity to Tolerate Environmental Extremes. <i>Marine Biotechnology</i> , 2006, 8, 641-653.	1.1	31
46	Butyltin Species in Benthic and Pelagic Organisms of the Saguenay Fjord (Canada) and Imposex Occurrence in Common Whelk (<i>Buccinum undatum</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 50, 45-59.	2.1	30
47	Cell adhesion characteristics of a monocytic cell line derived from rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2006, 144, 437-443.	0.8	5
48	A TELEOST IN VITRO REPORTER GENE ASSAY TO SCREEN FOR AGONISTS OF THE PEROXISOME PROLIFERATOR-ACTIVATED RECEPTORS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2260.	2.2	24
49	A proteomics approach to identifying fish cell lines. <i>Proteomics</i> , 2005, 5, 4236-4244.	1.3	27
50	Rainbow Trout Gill Cell Line Microplate Cytotoxicity Test. , 2005, , 473-503.		20
51	Comparing a ciliate and a fish cell line for their sensitivity to several classes of toxicants by the novel application of multiwell filter plates to <i>Tetrahymena</i> . <i>Research in Microbiology</i> , 2005, 156, 93-103.	1.0	27
52	The Use of Fish-Derived Cell Lines for Investigation of Environmental Contaminants. <i>Current Protocols in Toxicology</i> / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2003, 15, Unit 1.5.	1.1	35
53	The use of Fish Cells in Ecotoxicology: The Report and Recommendations of ECVAM Workshop 47[,]. <i>ATLA Alternatives To Laboratory Animals</i> , 2003, 31, 317-351.	0.7	192
54	Snails as Biomonitors of Oil-Spill and Bioremediation Strategies. <i>Bioremediation Journal</i> , 2002, 6, 373-386.	1.0	15

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55	Effect of corticosteroids on viability and proliferation of the rainbow trout monocyte/macrophage cell line, RTS11. <i>Fish and Shellfish Immunology</i> , 2002, 13, 199-214.	1.6	43
56	Integrin-like substrate adhesion in RTG-2 cells, a fibroblastic cell line derived from rainbow trout. <i>Cell and Tissue Research</i> , 2002, 307, 165-172.	1.5	6
57	Ecotoxicology and innate immunity in fish. <i>Developmental and Comparative Immunology</i> , 2001, 25, 853-873.	1.0	353
58	Induction of 7-ethoxyresorufin-o-deethylase activity by planar chlorinated hydrocarbons and polycyclic aromatic hydrocarbons in cell lines from the rainbow trout pituitary. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 128, 185-198.	0.8	16
59	Down-regulation of fibronectin in rainbow trout gonadal cells exposed to retinoic acid. <i>Aquatic Toxicology</i> , 2000, 48, 119-125.	1.9	4
60	Examination of EROD Activity and Fibronectin Levels in Lake Whitefish as Biomarkers of Neoplasia. , 2000, , 193-210.		0
61	Effects of Oil-Spill Bioremediation Strategies on the Survival, Growth and Reproductive Success of the Mystery Snail, <i>Viviparus georgianus</i> . , 2000, , 323-336.		1
62	Science through the internet: Researching, evaluating and citing websites. <i>Biological Procedures Online</i> , 1999, 1, S100-S106.	1.4	2
63	Biotechnology and the internet. <i>Biotechnology Advances</i> , 1998, 16, 949-960.	6.0	7
64	Induction of cytochrome P4501A by binary mixtures of polychlorinated biphenyls (PCBs) and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in liver cell lines from rat and trout. <i>Aquatic Toxicology</i> , 1998, 43, 179-194.	1.9	27
65	Development of a cell line from skin of goldfish, <i>Carassius auratus</i> , and effects of ascorbic acid on collagen deposition. <i>The Histochemical Journal</i> , 1997, 29, 31-43.	0.6	27
66	Cytochrome P4501A1 induction by polychlorinated biphenyls (PCBs) in liver cell lines from rat and trout and the derivation of toÅ—ic equivalency factors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1996, 53, 1177-1185.	0.7	40
67	Growth of fish cell lines in glutamine-free media. <i>Cytotechnology</i> , 1994, 16, 159-166.	0.7	26
68	Development of a cell line from primary cultures of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), gills. <i>Journal of Fish Diseases</i> , 1994, 17, 601-611.	0.9	190
69	Effects of aflatoxin B1 in a liver cell line from rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Toxicology in Vitro</i> , 1994, 8, 317-328.	1.1	5
70	Development and characterization of a rainbow trout liver cell line expressing cytochrome P450-dependent monooxygenase activity. <i>Cell Biology and Toxicology</i> , 1993, 9, 279-294.	2.4	257
71	Identification of Fibronectin in Rainbow Trout and Influence of Cortisol on Fibronectin Accumulation by Rainbow Trout Cell Cultures. <i>Journal of Aquatic Animal Health</i> , 1991, 3, 31-40.	0.6	8
72	Technology and uses of cell cultures from the tissues and organs of bony fish. <i>Cytotechnology</i> , 1991, 6, 163-187.	0.7	111

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73	The corticosteroid receptor and the action of various steroids in rainbow trout fibroblasts. <i>General and Comparative Endocrinology</i> , 1989, 74, 85-95.	0.8	27
74	Action of cortisol on the proliferation of rainbow trout fibroblasts. <i>Cell Proliferation</i> , 1989, 22, 291-301.	2.4	6
75	Culture conditions for arresting and stimulating the proliferation of a rainbow trout fibroblast cell line, RTG-2. <i>In Vitro Cellular & Developmental Biology</i> , 1988, 24, 795-802.	1.0	18
76	Effect of corticosteroids on the morphology and proliferation of two salmonid cell lines. <i>General and Comparative Endocrinology</i> , 1986, 64, 373-380.	0.8	23