

Sylvain De Guise

List of Publications by Year in descending order

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69
papers

2,924
citations

186265

28
h-index

168389

53
g-index

69
all docs

69
docs citations

69
times ranked

2923
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunotoxic effects of environmental pollutants in marine mammals. <i>Environment International</i> , 2016, 86, 126-139.	10.0	292
2	Predicting global killer whale population collapse from PCB pollution. <i>Science</i> , 2018, 361, 1373-1376.	12.6	252
3	Health of Common Bottlenose Dolphins (<i>Tursiops truncatus</i>) in Barataria Bay, Louisiana, Following the Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2014, 48, 93-103.	10.0	217
4	Cetacean Morbillivirus: Current Knowledge and Future Directions. <i>Viruses</i> , 2014, 6, 5145-5181.	3.3	195
5	Flow cytometry as a tool to quantify oyster defence mechanisms. <i>Fish and Shellfish Immunology</i> , 2004, 16, 539-552.	3.6	149
6	Anaemia, hypothyroidism and immune suppression associated with polychlorinated biphenyl exposure in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 48-57.	2.6	117
7	Phocine Distemper Virus: Current Knowledge and Future Directions. <i>Viruses</i> , 2014, 6, 5093-5134.	3.3	114
8	Biotransformation of polybrominated diphenyl ethers and polychlorinated biphenyls in beluga whale (<i>Delphinapterus leucas</i>) and rat mammalian model using an in vitro hepatic microsomal assay. <i>Aquatic Toxicology</i> , 2006, 77, 87-97.	4.0	100
9	CHEMICAL AND BIOLOGICAL POLLUTION CONTRIBUTE TO THE IMMUNOLOGICAL PROFILES OF FREE-RANGING HARBOR SEALS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 3110.	4.3	74
10	Recent progress in the detection of emerging contaminants PFASs. <i>Journal of Hazardous Materials</i> , 2021, 408, 124437.	12.4	72
11	Cytoplasmic Phospholipase A2 Deletion Enhances Colon Tumorigenesis. <i>Cancer Research</i> , 2005, 65, 2636-2643.	0.9	71
12	Eosinophilia and biotoxin exposure in bottlenose dolphins (<i>Tursiops truncatus</i>) from a coastal area impacted by repeated mortality events. <i>Environmental Research</i> , 2010, 110, 548-555.	7.5	63
13	A cDNA Microarray for <i>Crassostrea virginica</i> and <i>C. gigas</i> . <i>Marine Biotechnology</i> , 2007, 9, 577-591.	2.4	62
14	Paramoebiasis Associated with Mass Mortality of American Lobster <i>Homarus americanus</i> in Long Island Sound, USA. <i>Journal of Aquatic Animal Health</i> , 2004, 16, 29-38.	1.4	57
15	Immunomodulatory Effects of in Vitro Exposure to Organochlorines on T-Cell Proliferation in Marine Mammals and Mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006, 69, 283-302.	2.3	56
16	Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. <i>Environmental Science & Technology</i> , 2017, 51, 11431-11439.	10.0	56
17	Comparative hepatic microsomal biotransformation of selected PBDEs, including decabromodiphenyl ether, and decabromodiphenyl ethane flame retardants in Arctic marine-feeding mammals. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1506-1514.	4.3	55
18	Immune functions in beluga whales (<i>Delphinapterus leucas</i>): Evaluation of phagocytosis and respiratory burst with peripheral blood leukocytes using flow cytometry. <i>Veterinary Immunology and Immunopathology</i> , 1995, 47, 351-362.	1.2	52

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19	ASSOCIATION BETWEEN LYMPHOCYTE PROLIFERATION AND POLYCHLORINATED BIPHENYLS IN FREE-RANGING HARBOR SEAL (<i>PHOCA VITULINA</i>) PUPS FROM BRITISH COLUMBIA, CANADA. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1247.	4.3	49
20	Immune functions in beluga whales (<i>Delphinapterus leucas</i>): Evaluation of mitogen-induced blastic transformation of lymphocytes from peripheral blood, spleen and thymus. <i>Veterinary Immunology and Immunopathology</i> , 1996, 50, 117-126.	1.2	46
21	True Hermaphroditism in a St. Lawrence Beluga Whale (<i>Delphinapterus leucas</i>). <i>Journal of Wildlife Diseases</i> , 1994, 30, 287-290.	0.8	44
22	Malathion immunotoxicity in the American lobster (<i>Homarus americanus</i>) upon experimental exposure. <i>Aquatic Toxicology</i> , 2004, 66, 419-425.	4.0	42
23	Exposure, health effects, sensing, and remediation of the emerging PFAS contaminants – Scientific challenges and potential research directions. <i>Science of the Total Environment</i> , 2021, 780, 146399.	8.0	42
24	Monoclonal antibodies to lymphocyte surface antigens for cetacean homologues to CD2, CD19 and CD21. <i>Veterinary Immunology and Immunopathology</i> , 2002, 84, 209-221.	1.2	40
25	Characterization and profiling of hepatic cytochromes P450 and phase II xenobiotic-metabolizing enzymes in beluga whales (<i>Delphinapterus leucas</i>) from the St. Lawrence River Estuary and the Canadian Arctic. <i>Aquatic Toxicology</i> , 2004, 69, 35-49.	4.0	36
26	Phenotyping of beluga whale blood lymphocytes using monoclonal antibodies. <i>Developmental and Comparative Immunology</i> , 1997, 21, 425-433.	2.3	35
27	Effects of Organochlorines, Individually and in Mixtures, on B-Cell Proliferation in Marine Mammals and Mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2008, 71, 266-275.	2.3	31
28	Gastric Papillomas in Eight St. Lawrence Beluga Whales (<i>Delphinapterus Leucas</i>). <i>Journal of Veterinary Diagnostic Investigation</i> , 1994, 6, 385-388.	1.1	30
29	Immune functions in beluga whales (<i>Delphinapterus leucas</i>): evaluation of natural killer cell activity. <i>Veterinary Immunology and Immunopathology</i> , 1997, 58, 345-354.	1.2	28
30	<i>Brucella</i> sp. vertebral osteomyelitis with intercurrent fatal <i>Staphylococcus aureus</i> toxigenic enteritis in a bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of Veterinary Diagnostic Investigation</i> , 2011, 23, 845-851.	1.1	22
31	Combined effects of <i>Deepwater Horizon</i> crude oil and environmental stressors on <i>Fundulus grandis</i> embryos. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1916-1925.	4.3	22
32	Intramuscular <i>Sarcocystis</i> in Two Beluga Whales and an Atlantic White-Sided Dolphin from the St. Lawrence Estuary, Quebec, Canada. <i>Journal of Veterinary Diagnostic Investigation</i> , 1993, 5, 296-300.	1.1	21
33	Immunomodulatory effects of organochlorine mixtures upon in vitro exposure of peripheral blood leukocytes differ between free-ranging and captive southern sea otters (<i>Enhydra lutris</i>). <i>Veterinary Immunology and Immunopathology</i> , 2007, 119, 269-277.	1.2	21
34	Validation of a commercial canine assay kit to measure pinniped cytokines. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 90-96.	1.2	21
35	Immunomodulatory effects of exposure to polychlorinated biphenyls and perfluoroalkyl acids in East Greenland ringed seals (<i>Pusa hispida</i>). <i>Environmental Research</i> , 2016, 151, 244-250.	7.5	21
36	Effects of polychlorinated biphenyls (PCB) on California sea lion (<i>Zalophus californianus</i>) lymphocyte functions upon in vitro exposure. <i>Environmental Research</i> , 2018, 167, 708-717.	7.5	19

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37	<i>Mycobacterium Marinum</i> Dermatitis and Panniculitis with Chronic Pleuritis in a Captive White Whale (<i>Delphinapterus Leucas</i>) with Aortic Rupture. <i>Journal of Veterinary Diagnostic Investigation</i> , 2001, 13, 524-530.	1.1	18
38	Transgenerational effects of polycyclic aromatic hydrocarbon exposure on sheepshead minnows (<i>Cyprinodon variegatus</i>). <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 638-649.	4.3	18
39	Immune function of bovine leukocytes after in vitro exposure to selected heavy metals. <i>American Journal of Veterinary Research</i> , 2000, 61, 339-344.	0.6	17
40	Combined effects of salinity, temperature, hypoxia, and Deepwater Horizon oil on <i>Fundulus grandis</i> larvae. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 106-113.	6.0	17
41	Immunomodulatory Effects of Domoic Acid Differ Between In vivo and In vitro Exposure in Mice. <i>Marine Drugs</i> , 2008, 6, 636-659.	4.6	15
42	IMMUNOMODULATORY EFFECTS UPON IN VITRO EXPOSURE OF CALIFORNIA SEA LION AND SOUTHERN SEA OTTER PERIPHERAL BLOOD LEUKOCYTES TO DOMOIC ACID. <i>Journal of Wildlife Diseases</i> , 2010, 46, 541-550.	0.8	15
43	Immune Functions in the Fisher Rat Fed Beluga Whale (<i>Delphinapterus leucas</i>) Blubber from the Contaminated St. Lawrence Estuary. <i>Environmental Research</i> , 1999, 80, S104-S112.	7.5	14
44	Immunomodulatory effects of brevetoxin (PbTx-3) upon in vitro exposure in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Harmful Algae</i> , 2015, 44, 54-62.	4.8	14
45	The combined effects of salinity, hypoxia, and oil exposure on survival and gene expression in developing sheepshead minnows, <i>Cyprinodon variegatus</i> . <i>Aquatic Toxicology</i> , 2019, 214, 105234.	4.0	14
46	Long-Term Immunological Alterations in Bottlenose Dolphin a Decade after the Deepwater Horizon Oil Spill in the Northern Gulf of Mexico: Potential for Multigenerational Effects. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1308-1321.	4.3	14
47	Age determination of common bottlenose dolphins (<i>Tursiops truncatus</i>) using dental radiography pulp:tooth area ratio measurements. <i>PLoS ONE</i> , 2020, 15, e0242273.	2.5	13
48	Hypoxia and reduced salinity exacerbate the effects of oil exposure on sheepshead minnow (<i>Cyprinodon variegatus</i>) reproduction. <i>Aquatic Toxicology</i> , 2019, 212, 175-185.	4.0	12
49	Saxitoxin increases phocine distemper virus replication upon in-vitro infection in harbor seal immune cells. <i>Harmful Algae</i> , 2016, 51, 89-96.	4.8	11
50	Purification of functional T lymphocytes from splenocytes of the beluga whales (<i>Delphinapterus</i>)	2.3	10
51	In Vitro Exposure of Harbor Seal Immune Cells to Aroclor 1260 Alters Phocine Distemper Virus Replication. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 121-132.	4.1	10
52	Suppression of Th2 cytokines as a potential mechanism for reduced antibody response following PFOA exposure in female B6C3F1 mice. <i>Toxicology Letters</i> , 2021, 351, 155-162.	0.8	10
53	Comparative toxicity of Corexit® 9500, oil, and a Corexit®/oil mixture on the eastern oyster, <i>Crassostrea virginica</i> (Gmelin). <i>Aquatic Toxicology</i> , 2018, 203, 10-18.	4.0	9
54	Modeling population effects of the Deepwater Horizon oil spill on a long-lived species. <i>Conservation Biology</i> , 2021, , .	4.7	9

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55	T Helper Cell Subsets and Their Functions in Common Bottlenose Dolphins (<i>Tursiops truncatus</i>). <i>Frontiers in Immunology</i> , 2019, 10, 1578.	4.8	8
56	Parental exposure to Deepwater Horizon oil in different environmental scenarios alters development of sheepshead minnow (<i>Cyprinodon variegatus</i>) offspring. <i>Marine Environmental Research</i> , 2019, 150, 104762.	2.5	7
57	Immunotoxic effects of single and combined pharmaceuticals exposure on a harbor seal (<i>Phoca</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	5.0	6
58	Effects of polycyclic aromatic hydrocarbons and abiotic stressors on <i>Fundulus grandis</i> cardiac transcriptomics. <i>Science of the Total Environment</i> , 2021, 752, 142156.	8.0	5
59	Functional characterization of a swine CD4+/CD8+ double positive lymphoblastoid T-cell line with a CD25+/CD45RA ^{hi} phenotype generated in vitro with interleukin-2. <i>Veterinary Immunology and Immunopathology</i> , 2001, 78, 57-70.	1.2	4
60	Response to Comment on Health of Common Bottlenose Dolphins (<i>Tursiops truncatus</i>) in Barataria Bay, Louisiana Following the Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2014, 48, 4209-4211.	10.0	4
61	DEVELOPMENT OF A ONE-STEP DUPLEX RT-qPCR FOR THE QUANTIFICATION OF PHOCINE DISTEMPER VIRUS. <i>Journal of Wildlife Diseases</i> , 2015, 51, 454-465.	0.8	4
62	T lymphocyte-proliferative responses of harbor seal (<i>Phoca vitulina</i>) peripheral blood mononuclear cells (PBMCs) exposed to pharmaceuticals in vitro. <i>Marine Pollution Bulletin</i> , 2018, 127, 225-234.	5.0	4
63	Response to L. Witting: PCBs still a major risk for global killer whale populations. <i>Marine Mammal Science</i> , 2019, 35, 1201-1206.	1.8	4
64	Exposure to Oil and Hypoxia Results in Alterations of Immune Transcriptional Patterns in Developing Sheepshead Minnows (<i>Cyprinodon variegatus</i>). <i>Scientific Reports</i> , 2020, 10, 1684.	3.3	4
65	Cetacean-reconstituted severe combined immunodeficient (SCID) mice respond to vaccination with canine distemper vaccine. <i>Veterinary Immunology and Immunopathology</i> , 2004, 97, 177-186.	1.2	3
66	Immune function in arctic mammals: Natural killer (NK) cell-like activity in polar bear, muskox and reindeer. <i>Veterinary Immunology and Immunopathology</i> , 2018, 195, 72-75.	1.2	3
67	SUMITHRIN IMMUNOTOXICITY IN THE AMERICAN LOBSTER (<i>HOMARUS AMERICANUS</i>) UPON EXPERIMENTAL EXPOSURE. <i>Journal of Shellfish Research</i> , 2007, 26, 1161-1164.	0.9	2
68	Development of new methods to assess invertebrate immunology and immunotoxicology in aquaculture: oysters and lobsters as examples. <i>International Journal of Environment and Pollution</i> , 2008, 33, 365.	0.2	2
69	Consensus Statement: Atlantic Coast Contaminants Workshop 2000. <i>Environmental Health Perspectives</i> , 2001, 109, 1301.	6.0	0