

# Sylvain De Guise

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Recent progress in the detection of emerging contaminants PFASs. <i>Journal of Hazardous Materials</i> , 2021, 408, 124437.	12.4	72
3	Long-Term Immunological Alterations in Bottlenose Dolphin a Decade after the <i>Deepwater Horizon</i> 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
4	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
5	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
6	Modeling population effects of the <i>Deepwater Horizon</i> oil spill on a long-lived species. <i>Conservation Biology</i> , 2021, . .	4.7	9
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Predicting global killer whale population collapse from PCB pollution. <i>Science</i> , 2018, 361, 1373-1376.	12.6	252
20	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
21	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
22	Immunotoxic effects of single and combined pharmaceuticals exposure on a harbor seal ( <i>Phoca</i> )	5.0	6
23	Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11431-11439.	10.0	56
24	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
25	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
26	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
27	Immunotoxic effects of environmental pollutants in marine mammals. <i>Environment International</i> , 2016, 86, 126-139.	10.0	292
28	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
29	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
30	Phocine Distemper Virus: Current Knowledge and Future Directions. <i>Viruses</i> , 2014, 6, 5093-5134.	3.3	114
31	Cetacean Morbillivirus: Current Knowledge and Future Directions. <i>Viruses</i> , 2014, 6, 5145-5181.	3.3	195
32	Validation of a commercial canine assay kit to measure pinniped cytokines. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 90-96.	1.2	21
33	Health of Common Bottlenose Dolphins ( <i>Tursiops truncatus</i> ) in Barataria Bay, Louisiana, Following the Deepwater Horizon Oil Spill. <i>Environmental Science &amp; Technology</i> , 2014, 48, 93-103.	10.0	217
34	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 &amp; Technology</i> , 2014, 48, 4209-4211.	10.0	4
35	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
36	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

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37	<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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	A cDNA Microarray for <i>Crassostrea virginica</i> and <i>C. gigas</i> . <i>Marine Biotechnology</i> , 2007, 9, 577-591.	2.4	62
46	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
47	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
48	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
49	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
50	Cytoplasmic Phospholipase A2 Deletion Enhances Colon Tumorigenesis. <i>Cancer Research</i> , 2005, 65, 2636-2643.	0.9	71
51	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
52	Flow cytometry as a tool to quantify oyster defence mechanisms. <i>Fish and Shellfish Immunology</i> , 2004, 16, 539-552.	3.6	149
53	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
54	Malathion immunotoxicity in the American lobster ( <i>Homarus americanus</i> ) upon experimental exposure. <i>Aquatic Toxicology</i> , 2004, 66, 419-425.	4.0	42

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55	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
56	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
57	Functional characterization of a swine CD4+/CD8+ double positive lymphoblastoid T-cell line with a CD25+/CD45RA <sup>hi</sup> phenotype generated in vitro with interleukin-2. <i>Veterinary Immunology and Immunopathology</i> , 2001, 78, 57-70.	1.2	4
58	<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
59	Consensus Statement: Atlantic Coast Contaminants Workshop 2000. <i>Environmental Health Perspectives</i> , 2001, 109, 1301.	6.0	0
60	Purification of functional T lymphocytes from splenocytes of the beluga whales ( <i>Delphinapterus</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5	2.3	10
61	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
62	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
63	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
64	Phenotyping of beluga whale blood lymphocytes using monoclonal antibodies. <i>Developmental and Comparative Immunology</i> , 1997, 21, 425-433.	2.3	35
65	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
66	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
67	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
68	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
69	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