

Alexander P Scott

List of Publications by Year in descending order

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67
papers

3,281
citations

126858

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149623

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docs citations

67
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	Bile Acid Secreted by Male Sea Lamprey That Acts as a Sex Pheromone. <i>Science</i> , 2002, 296, 138-141.	6.0	333
2	Measurement of fish steroids in water—a review. <i>General and Comparative Endocrinology</i> , 2007, 153, 392-400.	0.8	205
3	Several Synthetic Progestins with Different Potencies Adversely Affect Reproduction of Fish. <i>Environmental Science & Technology</i> , 2013, 47, 2077-2084.	4.6	152
4	Principles of Sound Ecotoxicology. <i>Environmental Science & Technology</i> , 2014, 48, 3100-3111.	4.6	133
5	Reproductive responses in fathead minnow and Japanese medaka following exposure to a synthetic progestin, Norethindrone. <i>Aquatic Toxicology</i> , 2010, 99, 256-262.	1.9	129
6	Do mollusks use vertebrate sex steroids as reproductive hormones? Part I: Critical appraisal of the evidence for the presence, biosynthesis and uptake of steroids. <i>Steroids</i> , 2012, 77, 1450-1468.	0.8	127
7	Do mollusks use vertebrate sex steroids as reproductive hormones? II. Critical review of the evidence that steroids have biological effects. <i>Steroids</i> , 2013, 78, 268-281.	0.8	121
8	Excretion of Free and Conjugated Steroids in Rainbow Trout (<i>Oncorhynchus mykiss</i>): Evidence for Branchial Excretion of the Maturation-Inducing Steroid, 17,20 β -Dihydroxy-4-pregnen-3-one. <i>General and Comparative Endocrinology</i> , 1996, 101, 180-194.	0.8	111
9	Use of the Three-Spined Stickleback (<i>Gasterosteus aculeatus</i>) As a Sensitive <i>In Vivo</i> Test for Detection of Environmental Antiandrogens. <i>Environmental Health Perspectives</i> , 2006, 114, 115-121.	2.8	87
10	Non-invasive measurement of 11-ketotestosterone, cortisol and androstenedione in male three-spined stickleback (<i>Gasterosteus aculeatus</i>). <i>General and Comparative Endocrinology</i> , 2007, 152, 30-38.	0.8	84
11	Effects of a pyrethroid pesticide on endocrine responses to female odours and reproductive behaviour in male parr of brown trout (<i>Salmo trutta</i> L.). <i>Aquatic Toxicology</i> , 2007, 81, 1-9.	1.9	81
12	Sex steroids and their receptors in lampreys. <i>Steroids</i> , 2008, 73, 1-12.	0.8	81
13	Plasma Gonadotropin II, Sex Steroids, and Thyroid Hormones in Wild Striped Bass (<i>Morone saxatilis</i>) during Spermiation and Final Oocyte Maturation. <i>General and Comparative Endocrinology</i> , 1997, 108, 223-236.	0.8	69
14	Male Sea Lampreys, <i>Petromyzon marinus</i> L., Excrete a Sex Pheromone from Gill Epithelia. <i>Biology of Reproduction</i> , 2003, 69, 125-132.	1.2	69
15	From single chemicals to mixtures—Reproductive effects of levonorgestrel and ethinylestradiol on the fathead minnow. <i>Aquatic Toxicology</i> , 2015, 169, 152-167.	1.9	69
16	Effect of algal diet and temperature on the biochemical composition of the rotifer, <i>Brachionus plicatilis</i> . <i>Aquaculture</i> , 1978, 14, 247-260.	1.7	68
17	Steroid Profiles in Cultured Female Jundiá, the Siluridae <i>Rhamdia quelen</i> (Quoy and Gaimard, Pisces) <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i> 325-332.	0.8	65
18	Fertility and motility of sperm from Atlantic halibut (<i>Hippoglossus hippoglossus</i>) in relation to dose and timing of gonadotrophin-releasing hormone agonist implant. <i>Aquaculture</i> , 2004, 230, 547-567.	1.7	62

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19	Detection of the anti-androgenic effect of endocrine disrupting environmental contaminants using in vivo and in vitro assays in the three-spined stickleback. <i>Aquatic Toxicology</i> , 2009, 92, 228-239.	1.9	59
20	Changes in Plasma Gonadotropin II and Sex Steroid Hormones, and Sperm Production of Striped Bass after Treatment with Controlled-Release Gonadotropin-Releasing Hormone Agonist-Delivery Systems ¹ . <i>Biology of Reproduction</i> , 1997, 57, 669-675.	1.2	58
21	Gonadotrophin-Releasing Hormone Agonist Stimulates Milt Fluidity and Plasma Concentrations of 17,20 β -Dihydroxylated and 5 β -Reduced, 3 β -Hydroxylated C ₂₁ Steroids in Male Plaice (<i>Pleuronectes platessa</i>). <i>General and Comparative Endocrinology</i> , 1998, 112, 163-177.	0.8	58
22	Vitellogenin in the blood plasma of male cod (<i>Gadus morhua</i>): A sign of oestrogenic endocrine disruption in the open sea?. <i>Marine Environmental Research</i> , 2006, 61, 149-170.	1.1	53
23	Sexually mature European eels (<i>Anguilla anguilla</i> L.) stimulate gonadal development of neighbouring males: Possible involvement of chemical communication. <i>General and Comparative Endocrinology</i> , 2006, 147, 304-313.	0.8	52
24	Is there any value in measuring vertebrate steroids in invertebrates?. <i>General and Comparative Endocrinology</i> , 2018, 265, 77-82.	0.8	46
25	Pheromones of the male sea lamprey, <i>Petromyzon marinus</i> L.: structural studies on a new compound, 3-keto allocholic acid, and 3-keto petromyzonol sulfate. <i>Steroids</i> , 2003, 68, 297-304.	0.8	43
26	The organophosphorous pesticide, fenitrothion, acts as an anti-androgen and alters reproductive behavior of the male three-spined stickleback, <i>Gasterosteus aculeatus</i> . <i>Ecotoxicology</i> , 2009, 18, 122-133.	1.1	41
27	In vitro biosynthesis of novel 5 β -reduced steroids by the testis of the round goby, <i>Neogobius melanostomus</i> . <i>General and Comparative Endocrinology</i> , 2005, 140, 1-13.	0.8	40
28	Treatment of GnRHa-implanted Senegalese sole (<i>Solea senegalensis</i>) with 11-ketoandrostenedione stimulates spermatogenesis and increases sperm motility. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 147, 885-892.	0.8	40
29	Relationship between Sex Steroid and Vitellogenin Concentrations in Flounder (<i>Platichthys flesus</i>) Sampled from an Estuary Contaminated with Estrogenic Endocrine-Disrupting Compounds. <i>Environmental Health Perspectives</i> , 2006, 114, 27-31.	2.8	39
30	Evidence for estrogenic endocrine disruption in an offshore flatfish, the dab (<i>Limanda limanda</i> L.). <i>Marine Environmental Research</i> , 2007, 64, 128-148.	1.1	39
31	Kinetics of vitellogenin protein and mRNA induction and depuration in fish following laboratory and environmental exposure to oestrogens. <i>Marine Environmental Research</i> , 2004, 58, 419-423.	1.1	38
32	SURVEY OF ESTROGENIC ACTIVITY IN UNITED KINGDOM ESTUARINE AND COASTAL WATERS AND ITS EFFECTS ON GONADAL DEVELOPMENT OF THE FLOUNDER <i>PLATICHTHYS FLESUS</i> . <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1791.	2.2	36
33	ACTH Production by the pars intermedia of the rainbow trout pituitary. <i>General and Comparative Endocrinology</i> , 1975, 27, 193-202.	0.8	33
34	Plasma Steroids in Mature Common Dentex (<i>Dentex dentex</i>) Stimulated with a Gonadotropin-Releasing Hormone Agonist. <i>General and Comparative Endocrinology</i> , 2001, 123, 1-12.	0.8	32
35	Acute viral and bacterial infections elevate water cortisol concentrations in fish tanks. <i>Aquaculture</i> , 2007, 272, 707-716.	1.7	31
36	15 β -Hydroxyprogesterone in male sea lampreys, <i>Petromyzon marinus</i> L.. <i>Steroids</i> , 2004, 69, 473-481.	0.8	30

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37	Mussels (<i>Mytilus</i> spp.) display an ability for rapid and high capacity uptake of the vertebrate steroid, estradiol-17 β from water. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 165, 407-420.	1.2	29
38	Abnormally elevated VTG concentrations in flounder (<i>Platichthys flesus</i>) from the Mersey Estuary (UK)â€”a continuing problem. <i>Ecotoxicology and Environmental Safety</i> , 2004, 58, 356-364.	2.9	26
39	The Sea Lamprey (<i>Petromyzon marinus</i>) Has a Receptor for Androstenedione1. <i>Biology of Reproduction</i> , 2007, 77, 688-696.	1.2	26
40	Rapid uptake, biotransformation, esterification and lack of depuration of testosterone and its metabolites by the common mussel, <i>Mytilus</i> spp.. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 171, 54-65.	1.2	24
41	Release of Free and Conjugated Forms of the Putative Pheromonal Steroid 11-Oxo-etiocholanolone by Reproductively Mature Male Round Goby (<i>Neogobius melanostomus</i> Pallas, 1814). <i>Biology of Reproduction</i> , 2011, 84, 288-298.	1.2	23
42	Piscine Follicle-Stimulating Hormone Triggers Progesterin Production in Gilthead Seabream Primary Ovarian Follicles1. <i>Biology of Reproduction</i> , 2012, 87, 111.	1.2	23
43	15 β -Hydroxytestosterone produced in vitro and in vivo in the sea lamprey, <i>Petromyzon marinus</i> . <i>General and Comparative Endocrinology</i> , 2003, 132, 418-426.	0.8	22
44	A male pheromone in the sea lamprey (<i>Petromyzon marinus</i>): an overview. <i>Fish Physiology and Biochemistry</i> , 2003, 28, 259-262.	0.9	21
45	HPLC and ELISA analyses of larval bile acids from Pacific and western brook lampreys. <i>Steroids</i> , 2003, 68, 515-523.	0.8	21
46	15 β -Hydroxytestosterone induction by GnRH I and GnRH III in Atlantic and Great Lakes sea lamprey (<i>Petromyzon marinus</i> L.). <i>General and Comparative Endocrinology</i> , 2004, 136, 276-281.	0.8	21
47	Doseâ€”response relationship of 15 β -hydroxylated sex steroids to gonadotropin-releasing hormones and pituitary extract in male sea lampreys (<i>Petromyzon marinus</i>). <i>General and Comparative Endocrinology</i> , 2007, 151, 108-115.	0.8	20
48	INTERCALIBRATION EXERCISE USING A STICKLEBACK ENDOCRINE DISRUPTER SCREENING ASSAY. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 404.	2.2	20
49	Field surveys reveal the presence of anti-androgens in an effluent-receiving river using stickleback-specific biomarkers. <i>Aquatic Toxicology</i> , 2012, 122-123, 75-85.	1.9	20
50	Development and application of an ELISA for a sex pheromone released by the male sea lamprey (<i>Petromyzon marinus</i> L.). <i>General and Comparative Endocrinology</i> , 2002, 129, 163-170.	0.8	19
51	The seminal vesicle synthesizes steroids in the round goby <i>Neogobius melanostomus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 117-123.	0.8	18
52	Identification of cortisol metabolites in the bile of Atlantic cod <i>Gadus morhua</i> L.. <i>Steroids</i> , 2014, 88, 26-35.	0.8	15
53	Uptake and metabolism of water-borne progesterone by the mussel, <i>Mytilus</i> spp. (Mollusca). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 13-21.	1.2	15
54	Extragonadal Production of 17,20-Dihydroxy-4-pregnen-3-one in Vitro in Cyprinid Fish. <i>General and Comparative Endocrinology</i> , 1996, 104, 296-303.	0.8	13

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55	Evidence of a Male Sex Pheromone in the Round Goby (<i>Neogobius melanostomus</i>). <i>Biological Invasions</i> , 2006, 8, 105-112.	1.2	13
56	The role of sex ratio on spawning performance and on the free and conjugated sex steroids released into the water by common dentex (<i>Dentex dentex</i>) broodstock. <i>General and Comparative Endocrinology</i> , 2004, 138, 255-262.	0.8	12
57	Evidence for the release of sex pheromones by male round gobies (<i>Neogobius melanostomus</i>). <i>Fish Physiology and Biochemistry</i> , 2003, 28, 237-239.	0.9	11
58	The Effect of Elevated Steroids Released by Reproductive Male Round Gobies, <i>Neogobius melanostomus</i> , on Olfactory Responses in Females. <i>Journal of Chemical Ecology</i> , 2011, 37, 260-262.	0.9	10
59	Evidence that progestins play an important role in spermiation and pheromone production in male sea lamprey (<i>Petromyzon marinus</i>). <i>General and Comparative Endocrinology</i> , 2015, 212, 17-27.	0.8	9
60	Invasive male round gobies (<i>Neogobius melanostomus</i>) release pheromones in their urine to attract females. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 393-400.	0.7	8
61	Teleost maturation-inducing hormone, 17,20 β -dihydroxypregn-4-en-3-one, peaks after spawning in <i>Tinca tinca</i> . <i>General and Comparative Endocrinology</i> , 2011, 172, 234-242.	0.8	6
62	Comments on Niemuth, N.J. and Klaper, R.D. 2015. Emerging wastewater contaminant metformin causes intersex and reduced fecundity in fish. <i>Chemosphere</i> 135, 38-45. <i>Chemosphere</i> , 2016, 165, 566-569.	4.2	6
63	Molecular cloning of two types of spiggin cDNA in the three-spined stickleback, <i>Gasterosteus aculeatus</i> . <i>Fish Physiology and Biochemistry</i> , 2003, 28, 425.	0.9	5
64	The Uptake of Ethinyl-Estradiol and Cortisol From Water by Mussels (<i>Mytilus</i> spp.). <i>Frontiers in Endocrinology</i> , 2021, 12, 794623.	1.5	5
65	Data on the uptake and metabolism of the vertebrate steroid estradiol-17 β from water by the common mussel, <i>Mytilus</i> spp.. <i>Data in Brief</i> , 2016, 9, 956-965.	0.5	4
66	Fish Vitellogenin as a Biological Effect Marker of Oestrogenic Endocrine Disruption in the Open Sea. , 0, , 472-490.		1
67	Purification of Multiple Precursors for Egg Chorion Proteins in Atlantic Cod (<i>Gadus morhua</i>). <i>Zoological Science</i> , 2009, 26, 870-877.	0.3	1