

# Weiming Li

## List of Publications by Year in descending order

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178  
papers

5,526  
citations

81900

39  
h-index

114465

63  
g-index

183  
all docs

183  
docs citations

183  
times ranked

3769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electricity-enhanced anaerobic, non-photosynthetic mixotrophy by <i>Clostridium carboxidivorans</i> with increased carbon efficiency and alcohol production. <i>Energy Conversion and Management</i> , 2022, 252, 115118.	9.2	15
2	An Origami Paper-Based Analytical Device for Rapid and Sensitive Analysis of Acrylamide in Foods. <i>Micromachines</i> , 2022, 13, 13.	2.9	9
3	Identification and functional characterization of an immune adapter molecular TRIF in Northeast Chinese lamprey ( <i>Lethenteron morii</i> ). <i>Fish and Shellfish Immunology</i> , 2022, 124, 454-461.	3.6	2
4	Pheromone pollution from invasive sea lamprey misguides a native confamilial. <i>Environmental Epigenetics</i> , 2021, 67, 333-335.	1.8	5
5	Comparison of gene expression responses of zebrafish larvae to <i>Vibrio parahaemolyticus</i> infection by static immersion and caudal vein microinjection. <i>Aquaculture and Fisheries</i> , 2021, 6, 267-276.	2.2	4
6	Cervidins A-D: Novel Glycine Conjugated Fatty Acids from the Tarsal Gland of Male Whitetail Deer, <i>Odocoileus virginianus</i> . <i>Journal of Chemical Ecology</i> , 2021, 47, 243-247.	1.8	1
7	Progress towards integrating an understanding of chemical ecology into sea lamprey control. <i>Journal of Great Lakes Research</i> , 2021, 47, S660-S672.	1.9	24
8	Bile acid production is life-stage and sex dependent and affected by primer pheromones in the sea lamprey. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	2
9	At the intersection between toxicology and physiology: What we have learned about sea lampreys and bony fish physiology from studying the mode of action of lampricides. <i>Journal of Great Lakes Research</i> , 2021, 47, S673-S689.	1.9	6
10	Convergent olfactory trace amine-associated receptors detect biogenic polyamines with distinct motifs via a conserved binding site. <i>Journal of Biological Chemistry</i> , 2021, 297, 101268.	3.4	6
11	Diel Patterns of Pheromone Release by Male Sea Lamprey. <i>Integrative and Comparative Biology</i> , 2021, , .	2.0	1
12	Effects of feedstock and pyrolysis temperature of biochar on promoting hydrogen production of ethanol-type fermentation. <i>Science of the Total Environment</i> , 2021, 790, 148206.	8.0	37
13	Waterborne pheromones modulate gonadotropin-inhibitory hormone levels in sea lamprey ( <i>Petromyzon marinus</i> ). <i>General and Comparative Endocrinology</i> , 2020, 288, 113358.	1.8	3
14	Sea lamprey cardiac mitochondrial bioenergetics after exposure to TFM and its metabolites. <i>Aquatic Toxicology</i> , 2020, 219, 105380.	4.0	17
15	Enhanced biohydrogen production from sugarcane molasses by adding <i>Ginkgo biloba</i> leaves. <i>Bioresource Technology</i> , 2020, 298, 122523.	9.6	35
16	Comparative transcriptome analysis of <i>Clostridium tyrobutyricum</i> expressing a heterologous uptake hydrogenase. <i>Science of the Total Environment</i> , 2020, 749, 142022.	8.0	12
17	Sex-dependent pheromonal effects on steroid hormone levels in sea lampreys ( <i>Petromyzon marinus</i> ). <i>General and Comparative Endocrinology</i> , 2020, 299, 113608.	1.8	5
18	The evolution of (non)species-specific pheromones. <i>Evolutionary Ecology</i> , 2020, 34, 455-468.	1.2	10

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19	Evidence that male sea lamprey increase pheromone release after perceiving a competitor. Journal of Experimental Biology, 2020, 223, .	1.7	8
20	Two highly related odorant receptors specifically detect $\hat{\pm}$ -bile acid pheromones in sea lamprey ( <i>Petromyzon marinus</i> ). Journal of Biological Chemistry, 2020, 295, 12153-12166.	3.4	6
21	Behavioural responses of female lake trout <i>Salvelinus namaycush</i> to male chemical stimuli and prostaglandin $2\hat{\pm}$ . Journal of Fish Biology, 2020, 97, 1224-1227.	1.6	3
22	TGF $\hat{\alpha}^2$ Signaling Plays a Pivotal Role During Developmental Biliary Atresia in Sea Lamprey ( <i>Petromyzon</i> ) Tj ETQq0 0 0 rgBT /Overlock 10	4.3	6
23	Behavioral Responses of Sea Lamprey to Varying Application Rates of a Synthesized Pheromone in Diverse Trapping Scenarios. Journal of Chemical Ecology, 2020, 46, 233-249.	1.8	11
24	American eels produce and release bile acid profiles that vary across life stage. Journal of Fish Biology, 2020, 96, 1024-1033.	1.6	3
25	Effects of biochar on ethanol-type and butyrate-type fermentative hydrogen productions. Bioresource Technology, 2020, 306, 123088.	9.6	42
26	A pheromone antagonist liberates female sea lamprey from a sensory trap to enable reliable communication. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7284-7289.	7.1	13
27	Spermine in semen of male sea lamprey acts as a sex pheromone. PLoS Biology, 2019, 17, e3000332.	5.6	37
28	Potential of hydrogen production from sugarcane juice by <i>Ethanoligenens harbinense</i> Yuan-3. Journal of Cleaner Production, 2019, 237, 117552.	9.3	18
29	Genomic sequence analyses of classical and non-classical lamprey progesterone receptor genes and the inference of homologous gene evolution in metazoans. BMC Evolutionary Biology, 2019, 19, 136.	3.2	16
30	Notch1a can widely mediate innate immune responses in zebrafish larvae infected with <i>Vibrio parahaemolyticus</i> . Fish and Shellfish Immunology, 2019, 92, 680-689.	3.6	8
31	An Ancient CFTR Ortholog Informs Molecular Evolution in ABC Transporters. Developmental Cell, 2019, 51, 421-430.e3.	7.0	15
32	Development of an in vivo fluorescence based gene expression reporter system for <i>Clostridium tyrobutyricum</i> . Journal of Biotechnology, 2019, 305, 18-22.	3.8	12
33	Intra- and Interspecific Variation in Production of Bile Acids That Act as Sex Pheromones in Lampreys. Physiological and Biochemical Zoology, 2019, 92, 463-472.	1.5	10
34	Transcriptomic analysis of microRNAs and mRNAs regulating innate immune response of zebrafish larvae against <i>Vibrio parahaemolyticus</i> infection. Fish and Shellfish Immunology, 2019, 91, 333-342.	3.6	18
35	Metabolic engineering of <i>Clostridium carboxidivorans</i> for enhanced ethanol and butanol production from syngas and glucose. Bioresource Technology, 2019, 284, 415-423.	9.6	71
36	Differential transcriptome analysis of zebrafish ( <i>Danio rerio</i> ) larvae challenged by <i>Vibrio parahaemolyticus</i> . Journal of Fish Diseases, 2018, 41, 1049-1062.	1.9	17

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37	Discovery and characterization of natural products that act as pheromones in fish. <i>Natural Product Reports</i> , 2018, 35, 501-513.	10.3	17
38	Automated Inference of Chemical Discriminants of Biological Activity. <i>Methods in Molecular Biology</i> , 2018, 1762, 307-338.	0.9	7
39	Enabling the hypothesis-driven prioritization of ligand candidates in big databases: Screenlamp and its application to GPCR inhibitor discovery for invasive species control. <i>Journal of Computer-Aided Molecular Design</i> , 2018, 32, 415-433.	2.9	8
40	Metabolism of a sea lamprey pesticide by fish liver enzymes part A: identification and synthesis of TFM metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1749-1761.	3.7	23
41	Metabolism of a sea lamprey pesticide by fish liver enzymes part B: method development and application in quantification of TFM metabolites formed in vivo. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1763-1774.	3.7	23
42	Comparison of Various Nuclear Localization Signal-Fused Cas9 Proteins and <i>Cas9</i> mRNA for Genome Editing in Zebrafish. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 823-831.	1.8	35
43	Rapid evolution meets invasive species control: the potential for pesticide resistance in sea lamprey. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 152-168.	1.4	47
44	Petromylidenes A-C: 2-Alkylidene Bile Salt Derivatives Isolated from Sea Lamprey (Petromyzon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.6	4
45	High-performance liquid chromatography quantification of enantiomers of a Dihydroxylated tetrahydrofuran natural product. <i>Chirality</i> , 2018, 30, 1012-1018.	2.6	1
46	The Identification of Sea Lamprey Pheromones Using Bioassay-Guided Fractionation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	2
47	Fatty-acid derivative acts as a sea lamprey migratory pheromone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8603-8608.	7.1	29
48	First observations of spawning nests in the pouched lamprey ( <i>Geotria australis</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1603-1611.	1.4	21
49	Odorant organization in the olfactory bulb of the sea lamprey. <i>Journal of Experimental Biology</i> , 2017, 220, 1350-1359.	1.7	18
50	High-sensitivity determination of estrogens in fish plasma using chemical derivatization upstream UHPLC-MSMS. <i>Steroids</i> , 2017, 123, 13-19.	1.8	16
51	A validated LC-MS/MS method for thyroid hormone determination in sea lamprey (Petromyzon) Tj ETQq1 1 0.784314 rgBT /Overlock Biomedical and Life Sciences, 2017, 1041-1042, 77-84.	2.3	14
52	Determination of cortisol in lake sturgeon ( <i>Acipenser fulvescens</i> ) eggs by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 162-168.	2.3	6
53	Voltage-gated sodium channel gene repertoire of lampreys: gene duplications, tissue-specific expression and discovery of a long-lost gene. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170824.	2.6	5
54	Increased pheromone signaling by small male sea lamprey has distinct effects on female mate search and courtship. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	15

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55	Bile Salt-like Dienones Having a Novel Skeleton or a Rare Substitution Pattern Function as Chemical Cues in Adult Sea Lamprey. <i>Organic Letters</i> , 2017, 19, 4444-4447.	4.6	12
56	Three Novel Bile Alcohols of Mature Male Sea Lamprey ( <i>Petromyzon marinus</i> ) Act as Chemical Cues for Conspecifics. <i>Journal of Chemical Ecology</i> , 2017, 43, 543-549.	1.8	15
57	An evaluation of silver-stage American Eel conspecific chemical cueing during outmigration. <i>Environmental Biology of Fishes</i> , 2017, 100, 851-864.	1.0	2
58	Donor life stage influences juvenile American eel ( <i>Anguilla rostrata</i> ) attraction to conspecific chemical cues. <i>Journal of Fish Biology</i> , 2017, 90, 384-395.	1.6	8
59	Dynamic interaction of neutrophils and RFP-labelled <i>Vibrio parahaemolyticus</i> in zebrafish ( <i>Danio rerio</i> ). <i>PLoS ONE</i> , 2017, 12, e0174314.	2.2	4
60	Temporal constraints on the potential role of fry odors as cues of past reproductive success for spawning lake trout. <i>Ecology and Evolution</i> , 2017, 7, 10196-10206.	1.9	9
61	Quantification of Oxidized and Unsaturated Bile Alcohols in Sea Lamprey Tissues by Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Molecules</i> , 2016, 21, 1119.	3.8	2
62	Mixtures of Two Bile Alcohol Sulfates Function as a Proximity Pheromone in Sea Lamprey. <i>PLoS ONE</i> , 2016, 11, e0149508.	2.5	16
63	Biallelic editing of a lamprey genome using the CRISPR/Cas9 system. <i>Scientific Reports</i> , 2016, 6, 23496.	3.3	49
64	Application of liquid chromatography-tandem mass spectrometry in quantitative bioanalyses of organic molecules in aquatic environment and organisms. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9459-9479.	5.3	13
65	Differential Effects of Sex Pheromone Compounds on Adult Female Sea Lamprey ( <i>Petromyzon marinus</i> ). <i>PLoS ONE</i> , 2016, 11, e0149508.	2.6	8
66	Evidence for partial overlap of male olfactory cues in lampreys. <i>Journal of Experimental Biology</i> , 2016, 220, 497-506.	1.7	16
67	Female sea lamprey shift orientation toward a conspecific chemical cue to escape a sensory trap. <i>Behavioral Ecology</i> , 2016, 27, 810-819.	2.2	18
68	Class A Eel Stage American Eels Respond to Conspecific Odor as a Function of Concentration. <i>Transactions of the American Fisheries Society</i> , 2016, 145, 712-722.	1.4	14
69	Ultra-performance liquid chromatography tandem mass spectrometry for simultaneous determination of natural steroid hormones in sea lamprey ( <i>Petromyzon marinus</i> ) plasma and tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1009-1010, 170-178.	2.3	11
70	Chemical derivatization of neurosteroids for their trace determination in sea lamprey by UPLC-MS/MS. <i>Talanta</i> , 2016, 149, 326-334.	5.5	11
71	Detection and identification of lampreys in Great Lakes streams using environmental DNA. <i>Journal of Great Lakes Research</i> , 2016, 42, 649-659.	1.9	38
72	Zebrafish as a useful model for zoonotic <i>Vibrio parahaemolyticus</i> pathogenicity in fish and human. <i>Developmental and Comparative Immunology</i> , 2016, 55, 159-168.	2.3	52

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73	The mitogenomes of the pouched lamprey ( <i>Geotria australis</i> ) and least brook lamprey ( <i>Lampetra aepyptera</i> ) with phylogenetic considerations. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 3560-3562.	0.7	6
74	A pheromone outweighs temperature in influencing migration of sea lamprey. <i>Royal Society Open Science</i> , 2015, 2, 150009.	2.4	19
75	Pheromone 3kPZS evokes context-dependent serotonin sexual dimorphism in the brain of the sea lamprey ( <i>Petromyzon marinus</i> ). <i>Integrative Zoology</i> , 2015, 10, 91-101.	2.6	2
76	Hsp90 and hepatobiliary transformation during sea lamprey metamorphosis. <i>BMC Developmental Biology</i> , 2015, 15, 47.	2.1	7
77	Chemical cues and pheromones in the sea lamprey ( <i>Petromyzon marinus</i> ). <i>Frontiers in Zoology</i> , 2015, 12, 32.	2.0	76
78	iso-Petromyroxols: Novel Dihydroxylated Tetrahydrofuran Enantiomers from Sea Lamprey ( <i>Petromyzon marinus</i> ). <i>Molecules</i> , 2015, 20, 5215-5222.	3.8	8
79	The Sea Lamprey as an Etiological Model for Biliary Atresia. <i>BioMed Research International</i> , 2015, 2015, 1-17.	1.9	14
80	Lampreys as Diverse Model Organisms in the Genomics Era. <i>BioScience</i> , 2015, 65, 1046-1056.	4.9	51
81	Factors Influencing Capture of Invasive Sea Lamprey in Traps Baited With a Synthesized Sex Pheromone Component. <i>Journal of Chemical Ecology</i> , 2015, 41, 913-923.	1.8	30
82	An UPLC-MS/MS method for quantitative profiling of bile acids in sea lamprey plasma and tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 980, 72-78.	2.3	24
83	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.	1.8	9
84	Simultaneous determination of gonadotropin-inhibitory and gonadotropin-releasing hormones using ultra-high performance liquid chromatography electrospray ionization tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 497-507.	3.7	6
85	A Sea Lamprey ( <i>Petromyzon marinus</i> ) Sex Pheromone Mixture Increases Trap Catch Relative to a Single Synthesized Component in Specific Environments. <i>Journal of Chemical Ecology</i> , 2015, 41, 311-321.	1.8	22
86	A Quantitative Assay for Reductive Metabolism of a Pesticide in Fish Using Electrochemistry Coupled with Liquid Chromatography Tandem Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4450-4457.	10.0	14
87	Quantification of 15 bile acids in lake charr feces by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1001, 27-34.	2.3	16
88	Behavioral evidence for a role of chemoreception during reproduction in lake trout. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 1847-1852.	1.4	8
89	Genome-wide analysis of the ATP-binding cassette (ABC) transporter gene family in sea lamprey and Japanese lamprey. <i>BMC Genomics</i> , 2015, 16, 436.	2.8	22
90	(+)- and (âˆ’)-Petromyroxols: Antipodal Tetrahydrofuran diols from Larval Sea Lamprey ( <i>Petromyzon</i> )	4.6	25

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91	Reproductive Ecology of Lampreys. , 2015, , 265-303.		64
92	Investigations of Novel Unsaturated Bile Salts of Male Sea Lamprey as Potential Chemical Cues. Journal of Chemical Ecology, 2014, 40, 1152-1160.	1.8	15
93	Phase I and phase II reductive metabolism simulation of nitro aromatic xenobiotics with electrochemistry coupled with high resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 7253-7260.	3.7	28
94	Bile Salts as Semiochemicals in Fish. Chemical Senses, 2014, 39, 647-654.	2.0	63
95	Complete mitochondrial genomes of paired species northern brook lamprey ( <i>Ichthyomyzon fossor</i> ) and silver lamprey ( <i>I. unicuspis</i> ). Mitochondrial DNA, 2014, 27, 1-2.	0.6	4
96	Complete mitochondrial genomes of Korean lamprey ( <i>Lethenteron morii</i> ) and American brook lamprey ( <i>L. appendix</i> ). Mitochondrial DNA, 2014, 27, 1-2.	0.6	2
97	Pheromone Signaling: A Pissing Contest in Tilapia. Current Biology, 2014, 24, R843-R845.	3.9	2
98	Identification and quantification of sea lamprey gonadotropin-releasing hormones by electrospray ionization tandem mass spectrometry. Journal of Chromatography A, 2014, 1345, 98-106.	3.7	8
99	A New Clarification Method to Visualize Biliary Degeneration During Liver Metamorphosis in Sea Lamprey ( <i>Petromyzon marinus</i> ). Journal of Visualized Experiments, 2014, , .	0.3	7
100	Pheromonal bile acid 3-ketopetromyzonol sulfate primes the neuroendocrine system in sea lamprey. BMC Neuroscience, 2013, 14, 11.	1.9	26
101	The sea lamprey has a primordial accessory olfactory system. BMC Evolutionary Biology, 2013, 13, 172.	3.2	25
102	Biosynthesis and release of pheromonal bile salts in mature male sea lamprey. BMC Biochemistry, 2013, 14, 30.	4.4	30
103	A synthesized mating pheromone component increases adult sea lamprey ( <i>Petromyzon marinus</i> ) trap capture in management scenarios. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1101-1108.	1.4	60
104	Insight from the lamprey genome: Glimpsing early vertebrate development via neuroendocrine-associated genes and shared synteny of gonadotropin-releasing hormone (GnRH). General and Comparative Endocrinology, 2013, 192, 237-245.	1.8	61
105	An anti-steroidogenic inhibitory primer pheromone in male sea lamprey ( <i>Petromyzon marinus</i> ). General and Comparative Endocrinology, 2013, 189, 24-31.	1.8	16
106	Sequencing of the sea lamprey ( <i>Petromyzon marinus</i> ) genome provides insights into vertebrate evolution. Nature Genetics, 2013, 45, 415-421.	21.4	588
107	Petromyzonin, a Hexahydrophenanthrene Sulfate Isolated from the Larval Sea Lamprey ( <i>Petromyzon</i> ) Tj ETQq1 1 0.784314 rgBT /Ove	4.6	23
108	Evidence for a receiver bias underlying female preference for a male mating pheromone in sea lamprey. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131966.	2.6	28

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109	Effects of Sex Pheromones and Sexual Maturation on Locomotor Activity in Female Sea Lamprey ( <i>Petromyzon marinus</i> ). <i>Journal of Biological Rhythms</i> , 2013, 28, 218-226.	2.6	11
110	A thermogenic secondary sexual character in male sea lamprey. <i>Journal of Experimental Biology</i> , 2013, 216, 2702-2712.	1.7	12
111	Monitoring sea lamprey pheromones and their degradation using rapid stream-side extraction coupled with UPLC-MS/MS. <i>Journal of Separation Science</i> , 2013, 36, 1612-1620.	2.5	17
112	Gaussian Process Regression for Sensor Networks Under Localization Uncertainty. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 223-237.	5.3	50
113	Odor-conditioned rheotaxis of the sea lamprey: modeling, analysis and validation. <i>Bioinspiration and Biomimetics</i> , 2013, 8, 046011.	2.9	3
114	Characterization of a Novel Bile Alcohol Sulfate Released by Sexually Mature Male Sea Lamprey ( <i>Petromyzon marinus</i> ). <i>PLoS ONE</i> , 2013, 8, e68157.	2.5	39
115	Intestinal synthesis and secretion of bile salts as an adaptation to developmental biliary atresia in the sea lamprey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11419-11424.	7.1	31
116	Sea lamprey orient toward a source of a synthesized pheromone using odor-conditioned rheotaxis. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1557-1567.	1.4	28
117	Identification of the thiamin pyrophosphokinase gene in rainbow trout: Characteristic structure and expression of seven splice variants in tissues and cell lines and during embryo development. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012, 163, 193-202.	1.6	0
118	Isolation and identification of petromyzestosterone, a polyhydroxysteroid from sexually mature male sea lamprey ( <i>Petromyzon marinus</i> L.). <i>Steroids</i> , 2012, 77, 806-810.	1.8	20
119	Quantification of monoamine neurotransmitters and melatonin in sea lamprey brain tissues by high performance liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Talanta</i> , 2012, 89, 383-390.	5.5	26
120	High-performance liquid chromatography with fluorescence detection and ultra-performance liquid chromatography with electrospray tandem mass spectrometry method for the determination of indoleamine neurotransmitters and their metabolites in sea lamprey plasma. <i>Analytica Chimica Acta</i> , 2012, 721, 147-153.	5.4	38
121	Multiple functions of a multi-component mating pheromone in sea lamprey <i>Petromyzon marinus</i> . <i>Journal of Fish Biology</i> , 2012, 80, 538-554.	1.6	38
122	Proteomic analysis of metabolic, cytoskeletal and stress response proteins in human heart failure. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 59-71.	3.6	33
123	Identification of putative migratory pheromones from Pacific lamprey ( <i>Lampetra tridentata</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 2194-2203.	1.4	47
124	Quantification of a Male Sea Lamprey Pheromone in Tributaries of Laurentian Great Lakes by Liquid Chromatography-Tandem Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6437-6443.	10.0	27
125	Multiplex quantification of lamprey specific bile acid derivatives in environmental water using UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3879-3886.	2.3	23
126	The efficacy of two synthesized sea lamprey sex pheromone components as a trap lure when placed in direct competition with natural male odors. <i>Biological Invasions</i> , 2011, 13, 1589-1597.	2.4	25



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127	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.	2.7	23
128	Understanding behavioral responses of fish to pheromones in natural freshwater environments. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 701-711.	1.6	45
129	A Review of Research in Fish Pheromones. , 2010, , 467-482.		14
130	11-Deoxycortisol is a corticosteroid hormone in the lamprey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13942-13947.	7.1	103
131	A synthesized pheromone induces upstream movement in female sea lamprey and summons them into traps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1021-1026.	7.1	160
132	The sea lamprey <i>Petromyzon marinus</i> genome reveals the early origin of several chemosensory receptor families in the vertebrate lineage. <i>BMC Evolutionary Biology</i> , 2009, 9, 180.	3.2	58
133	Neuroendocrine and behavioral responses to weak electric fields in adult sea lampreys ( <i>Petromyzon</i> ) Tj ETQq1 1 0.784314 rgBT /Overbo 2.1 14		
134	Sex steroids and their receptors in lampreys. <i>Steroids</i> , 2008, 73, 1-12.	1.8	81
135	Neurogenic and Neuroendocrine Effects of Goldfish Pheromones. <i>Journal of Neuroscience</i> , 2008, 28, 14492-14499.	3.6	30
136	The Sea Lamprey ( <i>Petromyzon marinus</i> ) Has a Receptor for Androstenedione1. <i>Biology of Reproduction</i> , 2007, 77, 688-696.	2.7	26
137	Identification of squalamine in the plasma membrane of white blood cells in the sea lamprey, <i>Petromyzon marinus</i> . <i>Journal of Lipid Research</i> , 2007, 48, 2579-2586.	4.2	14
138	Research to Guide Use of Pheromones to Control Sea Lamprey. <i>Journal of Great Lakes Research</i> , 2007, 33, 70-86.	1.9	51
139	The seminal vesicle synthesizes steroids in the round goby <i>Neogobius melanostomus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 148, 117-123.	1.8	18
140	Dose-response relationship of 15 $\alpha$ -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.	1.8	20
141	Mating Pheromone Reception and Induced Behavior in Ovulating Female Sea Lampreys. <i>North American Journal of Fisheries Management</i> , 2006, 26, 88-96.	1.0	48
142	Evidence of a Male Sex Pheromone in the Round Goby ( <i>Neogobius melanostomus</i> ). <i>Biological Invasions</i> , 2006, 8, 105-112.	2.4	13
143	Comparison of synthesis of 15 $\alpha$ -hydroxylated steroids in males of four North American lamprey species. <i>General and Comparative Endocrinology</i> , 2006, 146, 149-156.	1.8	22
144	Olfactory sensory input increases gill ventilation in male round gobies ( <i>Neogobius melanostomus</i> ) during exposure to steroids. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2006, 144, 196-202.	1.8	34

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145	Patterns of invasion and colonization of the sea lamprey ( <i>Petromyzon marinus</i> ) in North America as revealed by microsatellite genotypes. <i>Molecular Ecology</i> , 2005, 14, 3757-3773.	3.9	103
146	Behavioural responses of female <i>Neogobius melanostomus</i> to odours of conspecifics. <i>Journal of Fish Biology</i> , 2005, 67, 615-626.	1.6	45
147	Evidence that 3-keto petromyzonol sulphate specifically attracts ovulating female sea lamprey, <i>Petromyzon marinus</i> . <i>Animal Behaviour</i> , 2005, 70, 1037-1045.	1.9	82
148	In vitro biosynthesis of novel 5 $\beta$ -reduced steroids by the testis of the round goby, <i>Neogobius melanostomus</i> . <i>General and Comparative Endocrinology</i> , 2005, 140, 1-13.	1.8	40
149	Potential Multiple Functions of a Male Sea Lamprey Pheromone. <i>Chemical Senses</i> , 2005, 30, i307-i308.	2.0	13
150	Capture of Ovulating Female Sea Lampreys in Traps Baited with Spermiating Male Sea Lampreys. <i>North American Journal of Fisheries Management</i> , 2005, 25, 67-72.	1.0	44
151	A non-lethal method to estimate CYP1A expression in laboratory and wild Atlantic salmon ( <i>Salmo</i> ) Tj ETQq1 1 0.784314 rgBT /Overload 217-224.	2.6	8
152	Cloning of CYP1A in Atlantic salmon ( <i>Salmo salar</i> ). <i>Aquaculture</i> , 2005, 246, 11-23.	3.5	5
153	1 $\beta$ -naphthoflavone induction of CYP1A in brain of juvenile lake trout ( <i>Salvelinus namaycush</i> Walbaum). <i>Journal of Experimental Biology</i> , 2004, 207, 1533-1542.	1.7	45
154	The Effect of Chemosterilization on Sex Steroid Production in Male Sea Lampreys. <i>Transactions of the American Fisheries Society</i> , 2004, 133, 1270-1276.	1.4	6
155	Behavioural and electrophysiological responses by reproductive female <i>Neogobius melanostomus</i> to odours released by conspecific males. <i>Journal of Fish Biology</i> , 2004, 65, 933-946.	1.6	41
156	15 $\beta$ -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.	1.8	21
157	Electrophysiological evidence for detection and discrimination of pheromonal bile acids by the olfactory epithelium of female sea lampreys ( <i>Petromyzon marinus</i> ). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2004, 190, 193-199.	1.6	65
158	15 $\beta$ -Hydroxyprogesterone in male sea lampreys, <i>Petromyzon marinus</i> L.. <i>Steroids</i> , 2004, 69, 473-481.	1.8	30
159	Carbon and nitrogen stable isotopes: a tool to differentiate between <i>Lepeophtheirus salmonis</i> and different salmonid host species?. <i>Aquaculture</i> , 2004, 241, 529-538.	3.5	10
160	Development and application of a real-time quantitative PCR assay for determining CYP1A transcripts in three genera of salmonids. <i>Aquatic Toxicology</i> , 2004, 66, 357-368.	4.0	42
161	Brain Pathways and Behavioral Responses to Weak Electric Fields in Parasitic Sea Lampreys ( <i>Petromyzon marinus</i> ).. <i>Behavioral Neuroscience</i> , 2004, 118, 611-619.	1.2	21
162	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.	2.3	11

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163	A male pheromone in the sea lamprey ( <i>Petromyzon marinus</i> ): an overview. <i>Fish Physiology and Biochemistry</i> , 2003, 28, 259-262.	2.3	21
164	Polymorphic microsatellite markers for the landlocked sea lamprey, <i>Petromyzon marinus</i> . <i>Conservation Genetics</i> , 2003, 4, 113-116.	1.5	10
165	15 $\alpha$ -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.	1.8	22
166	Glomerular territories in the olfactory bulb from the larval stage of the sea lamprey <i>Petromyzon marinus</i> . <i>Journal of Comparative Neurology</i> , 2003, 465, 27-37.	1.6	38
167	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.	1.8	43
168	HPLC and ELISA analyses of larval bile acids from Pacific and western brook lampreys. <i>Steroids</i> , 2003, 68, 515-523.	1.8	21
169	Sex Pheromone Communication in the Sea Lamprey: Implications for Integrated Management. <i>Journal of Great Lakes Research</i> , 2003, 29, 85-94.	1.9	47
170	Possible Applications of Pheromones in an Integrated Sea Lamprey Management Program. <i>Journal of Great Lakes Research</i> , 2003, 29, 794-800.	1.9	41
171	Quantitative PCR analysis of CYP1A induction in Atlantic salmon ( <i>Salmo salar</i> ). <i>Aquatic Toxicology</i> , 2003, 62, 67-78.	4.0	44
172	Chemosterilization of male sea lampreys ( <i>Petromyzon marinus</i> ) does not affect sex pheromone release. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2003, 60, 23-31.	1.4	38
173	Male Sea Lampreys, <i>Petromyzon marinus</i> L., Excrete a Sex Pheromone from Gill Epithelia. <i>Biology of Reproduction</i> , 2003, 69, 125-132.	2.7	69
174	Bile Acid Secreted by Male Sea Lamprey That Acts as a Sex Pheromone. <i>Science</i> , 2002, 296, 138-141.	12.6	333
175	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.	1.8	19
176	Direct behavioral evidence that unique bile acids released by larval sea lamprey ( <i>Petromyzon</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2000, 57, 557-569.	1.4	145
177	Highly independent olfactory receptor sites for naturally occurring bile acids in the sea lamprey, <i>Petromyzon marinus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1997, 180, 429-438.	1.6	73
178	The olfactory system of migratory adult sea lamprey ( <i>Petromyzon marinus</i> ) is specifically and acutely sensitive to unique bile acids released by conspecific larvae. <i>Journal of General Physiology</i> , 1995, 105, 569-587.	1.9	177