

# D G Joakim Larsson

## List of Publications by Citations

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166  
papers

14,342  
citations

58  
h-index

118  
g-index

185  
ext. papers

17,847  
ext. citations

7.7  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
166	Effluent from drug manufactures contains extremely high levels of pharmaceuticals. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 148, 751-5	12.8	931
165	Pharmaceuticals and personal care products in the environment: what are the big questions?. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 1221-9	8.4	830
164	Contamination of surface, ground, and drinking water from pharmaceutical production. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2522-7	3.8	588
163	Ethinylestradiol: an undesired fish contraceptive?. <i>Aquatic Toxicology</i> , <b>1999</b> , 45, 91-97	5.1	560
162	Management options for reducing the release of antibiotics and antibiotic resistance genes to the environment. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 878-85	8.4	505
161	Evolutionary conservation of human drug targets in organisms used for environmental risk assessments. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 5807-13	10.3	412
160	Human Health Risk Assessment (HHRA) for environmental development and transfer of antibiotic resistance. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 993-1001	8.4	390
159	Concentrations of antibiotics predicted to select for resistant bacteria: Proposed limits for environmental regulation. <i>Environment International</i> , <b>2016</b> , 86, 140-9	12.9	386
158	Pyrosequencing of antibiotic-contaminated river sediments reveals high levels of resistance and gene transfer elements. <i>PLoS ONE</i> , <b>2011</b> , 6, e17038	3.7	379
157	The scourge of antibiotic resistance: the important role of the environment. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 57, 704-10	11.6	371
156	Co-occurrence of resistance genes to antibiotics, biocides and metals reveals novel insights into their co-selection potential. <i>BMC Genomics</i> , <b>2015</b> , 16, 964	4.5	370
155	Environmental factors influencing the development and spread of antibiotic resistance. <i>FEMS Microbiology Reviews</i> , <b>2018</b> , 42,	15.1	361
154	BacMet: antibacterial biocide and metal resistance genes database. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D737-43	20.1	310
153	Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. <i>Nature Communications</i> , <b>2019</b> , 10, 1124	17.4	293
152	Pollution from drug manufacturing: review and perspectives. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369,	5.8	272
151	GC-MS analysis and ecotoxicological risk assessment of triclosan, carbamazepine and parabens in Indian rivers. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1586-93	12.8	259
150	METAXA2: improved identification and taxonomic classification of small and large subunit rRNA in metagenomic data. <i>Molecular Ecology Resources</i> , <b>2015</b> , 15, 1403-14	8.4	252

149	The structure and diversity of human, animal and environmental resistomes. <i>Microbiome</i> , <b>2016</b> , 4, 54	16.6	239
148	Fecal pollution can explain antibiotic resistance gene abundances in anthropogenically impacted environments. <i>Nature Communications</i> , <b>2019</b> , 10, 80	17.4	195
147	Critical knowledge gaps and research needs related to the environmental dimensions of antibiotic resistance. <i>Environment International</i> , <b>2018</b> , 117, 132-138	12.9	183
146	Therapeutic levels of levonorgestrel detected in blood plasma of fish: results from screening rainbow trout exposed to treated sewage effluents. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 2661-6	10.3	174
145	Antibiotics in the environment. <i>Upsala Journal of Medical Sciences</i> , <b>2014</b> , 119, 108-12	2.8	168
144	Predicted critical environmental concentrations for 500 pharmaceuticals. <i>Regulatory Toxicology and Pharmacology</i> , <b>2010</b> , 58, 516-23	3.4	156
143	Elucidating selection processes for antibiotic resistance in sewage treatment plants using metagenomics. <i>Science of the Total Environment</i> , <b>2016</b> , 572, 697-712	10.2	152
142	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , <b>2015</b> , 27,		151
141	More male fish embryos near a pulp mill. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 2911-2917	3.8	150
140	Maternal gut and breast milk microbiota affect infant gut antibiotic resistome and mobile genetic elements. <i>Nature Communications</i> , <b>2018</b> , 9, 3891	17.4	145
139	Metal Resistance and Its Association With Antibiotic Resistance. <i>Advances in Microbial Physiology</i> , <b>2017</b> , 70, 261-313	4.4	144
138	Shotgun metagenomics reveals a wide array of antibiotic resistance genes and mobile elements in a polluted lake in India. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 648	5.7	144
137	Antibiotics and common antibacterial biocides stimulate horizontal transfer of resistance at low concentrations. <i>Science of the Total Environment</i> , <b>2018</b> , 616-617, 172-178	10.2	138
136	Antibiotic resistance genes in the environment: prioritizing risks. <i>Nature Reviews Microbiology</i> , <b>2015</b> , 13, 396	22.2	134
135	The Human Gut Microbiome as a Transporter of Antibiotic Resistance Genes between Continents. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 6551-60	5.9	120
134	Variations in bioconcentration of human pharmaceuticals from sewage effluents into fish blood plasma. <i>Environmental Toxicology and Pharmacology</i> , <b>2007</b> , 24, 267-74	5.8	117
133	Minimal selective concentrations of tetracycline in complex aquatic bacterial biofilms. <i>Science of the Total Environment</i> , <b>2016</b> , 553, 587-595	10.2	116
132	Non-steroidal anti-inflammatory drugs in Indian rivers. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 921-31	5.1	116

131	Fluoroquinolones and qnr genes in sediment, water, soil, and human fecal flora in an environment polluted by manufacturing discharges. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7825-32	10.3	111
130	Prioritising pharmaceuticals for environmental risk assessment: Towards adequate and feasible first-tier selection. <i>Science of the Total Environment</i> , <b>2012</b> , 421-422, 102-10	10.2	110
129	Improving environmental risk assessment of human pharmaceuticals. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 5336-45	10.3	106
128	Untreated urban waste contaminates Indian river sediments with resistance genes to last resort antibiotics. <i>Water Research</i> , <b>2017</b> , 124, 388-397	12.5	105
127	Male-biased sex ratios of fish embryos near a pulp mill: temporary recovery after a short-term shutdown. <i>Environmental Health Perspectives</i> , <b>2002</b> , 110, 739-42	8.4	105
126	GC-MS determination of bisphenol A and alkylphenol ethoxylates in river water from India and their ecotoxicological risk assessment. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 99, 13-20	7	104
125	Using NMR metabolomics to identify responses of an environmental estrogen in blood plasma of fish. <i>Aquatic Toxicology</i> , <b>2006</b> , 78, 341-9	5.1	103
124	An assay for determining minimal concentrations of antibiotics that drive horizontal transfer of resistance. <i>Science of the Total Environment</i> , <b>2016</b> , 548-549, 131-138	10.2	99
123	Influence of humans on evolution and mobilization of environmental antibiotic resistome. <i>Emerging Infectious Diseases</i> , <b>2013</b> , 19,	10.2	99
122	Potential ecological footprints of active pharmaceutical ingredients: an examination of risk factors in low-, middle- and high-income countries. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369,	5.8	98
121	Effluent from bulk drug production is toxic to aquatic vertebrates. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2656-62	3.8	94
120	Tissue-specific bioconcentration of antidepressants in fish exposed to effluent from a municipal sewage treatment plant. <i>Science of the Total Environment</i> , <b>2014</b> , 488-489, 46-50	10.2	90
119	The impact of temperature on the metabolome and endocrine metabolic signals in Atlantic salmon ( <i>Salmo salar</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2013</b> , 164, 44-53	2.6	79
118	The Lancet Infectious Diseases Commission on antimicrobial resistance: 6 years later. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, e51-e60	25.5	77
117	A treatment plant receiving waste water from multiple bulk drug manufacturers is a reservoir for highly multi-drug resistant integron-bearing bacteria. <i>PLoS ONE</i> , <b>2013</b> , 8, e77310	3.7	74
116	Diclofenac in fish: blood plasma levels similar to human therapeutic levels affect global hepatic gene expression. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2126-34	3.8	73
115	Contributions from metabolomics to fish research. <i>Molecular BioSystems</i> , <b>2008</b> , 4, 974-9		73
114	Antibiotic resistance in the environment. <i>Nature Reviews Microbiology</i> , <b>2021</b> ,	22.2	68

113	A conceptual framework for the environmental surveillance of antibiotics and antibiotic resistance. <i>Environment International</i> , <b>2019</b> , 130, 104880	12.9	67
112	Discovery of the fourth mobile sulfonamide resistance gene. <i>Microbiome</i> , <b>2017</b> , 5, 160	16.6	65
111	Using metagenomics to investigate human and environmental resistomes. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 2690-2703	5.1	63
110	Characterization of the <i>Zoarcetes viviparus</i> liver transcriptome using massively parallel pyrosequencing. <i>BMC Genomics</i> , <b>2009</b> , 10, 345	4.5	60
109	Transparency throughout the production chain--a way to reduce pollution from the manufacturing of pharmaceuticals?. <i>Regulatory Toxicology and Pharmacology</i> , <b>2009</b> , 53, 161-3	3.4	60
108	A metabolomics approach to elucidate effects of food deprivation in juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 299, R1440-8	3.2	58
107	Pharmaceutical industry effluent diluted 1:500 affects global gene expression, cytochrome P450 1A activity, and plasma phosphate in fish. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2639-47	3.8	53
106	Sensitive and robust gene expression changes in fish exposed to estrogen--a microarray approach. <i>BMC Genomics</i> , <b>2007</b> , 8, 149	4.5	50
105	Selective concentration for ciprofloxacin resistance in <i>Escherichia coli</i> grown in complex aquatic bacterial biofilms. <i>Environment International</i> , <b>2018</b> , 116, 255-268	12.9	49
104	Distribution and hormonal regulation of membrane progesterone receptors beta and gamma in ciliated epithelial cells of mouse and human fallopian tubes. <i>Reproductive Biology and Endocrinology</i> , <b>2009</b> , 7, 89	5	49
103	Reproducible (1)H NMR-based metabolomic responses in fish exposed to different sewage effluents in two separate studies. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 1703-10	10.3	46
102	Differential removal of human pathogenic viruses from sewage by conventional and ozone treatments. <i>International Journal of Hygiene and Environmental Health</i> , <b>2018</b> , 221, 479-488	6.9	45
101	Identification and reconstruction of novel antibiotic resistance genes from metagenomes. <i>Microbiome</i> , <b>2019</b> , 7, 52	16.6	44
100	Identification of 76 novel B1 metallo-β-lactamases through large-scale screening of genomic and metagenomic data. <i>Microbiome</i> , <b>2017</b> , 5, 134	16.6	44
99	Sewage effluent from an Indian hospital harbors novel carbapenemases and integron-borne antibiotic resistance genes. <i>Microbiome</i> , <b>2019</b> , 7, 97	16.6	44
98	Acquired genetic mechanisms of a multiresistant bacterium isolated from a treatment plant receiving wastewater from antibiotic production. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7256-63	4.8	44
97	Isolation of novel IncA/C and IncN fluoroquinolone resistance plasmids from an antibiotic-polluted lake. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 2709-17	5.1	43
96	Does antifouling paint select for antibiotic resistance?. <i>Science of the Total Environment</i> , <b>2017</b> , 590-591, 461-468	10.2	42

95	Comparison of six different sewage treatment processes--reduction of estrogenic substances and effects on gene expression in exposed male fish. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 5235-42	10.2	42
94	Induction of vitelline envelope proteins by estradiol-17 beta in 10 teleost species. <i>General and Comparative Endocrinology</i> , <b>1994</b> , 96, 445-50	3	42
93	Antimicrobial resistance and the environment: assessment of advances, gaps and recommendations for agriculture, aquaculture and pharmaceutical manufacturing. <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	41
92	Studies of masculinization, detoxification, and oxidative stress responses in guppies ( <i>Poecilia reticulata</i> ) exposed to effluent from a pulp mill. <i>Ecotoxicology and Environmental Safety</i> , <b>2002</b> , 52, 13-20 <sup>7</sup>		40
91	Membrane progesterone receptor gamma: tissue distribution and expression in ciliated cells in the fallopian tube. <i>Molecular Reproduction and Development</i> , <b>2007</b> , 74, 843-50	2.6	39
90	Progesterone-receptor antagonists and statins decrease de novo cholesterol synthesis and increase apoptosis in rat and human periovulatory granulosa cells in vitro. <i>Biology of Reproduction</i> , <b>2005</b> , 72, 538-45	3.9	37
89	Rapid effects of progesterone on ciliary beat frequency in the mouse fallopian tube. <i>Reproductive Biology and Endocrinology</i> , <b>2010</b> , 8, 48	5	36
88	Population-level surveillance of antibiotic resistance in through sewage analysis. <i>Eurosurveillance</i> , <b>2019</b> , 24,	19.8	36
87	Diclofenac affects kidney histology in the three-spined stickleback ( <i>Gasterosteus aculeatus</i> ) at low $\mu$ /L concentrations. <i>Aquatic Toxicology</i> , <b>2017</b> , 189, 87-96	5.1	36
86	Amino acid composition and endocrine control of vitelline envelope proteins in European sea bass ( <i>Dicentrarchus labrax</i> ) and gilthead sea bream ( <i>Sparus aurata</i> ). <i>Molecular Reproduction and Development</i> , <b>1995</b> , 41, 339-47	2.6	35
85	Functional metagenomics reveals a novel carbapenem-hydrolyzing mobile beta-lactamase from Indian river sediments contaminated with antibiotic production waste. <i>Environment International</i> , <b>2018</b> , 112, 279-286	12.9	33
84	Underappreciated role of regionally poor water quality on globally increasing antibiotic resistance. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11746-7	10.3	33
83	Does waterborne citalopram affect the aggressive and sexual behaviour of rainbow trout and guppy?. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 187, 596-9	12.8	33
82	Effluent from drug manufacturing affects cytochrome P450 1 regulation and function in fish. <i>Chemosphere</i> , <b>2013</b> , 90, 1149-57	8.4	32
81	A novel method for cross-species gene expression analysis. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 70	3.6	30
80	Does ketoprofen or diclofenac pose the lowest risk to fish?. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 229-230, 100-6	12.8	30
79	A Comprehensive Screening of Escherichia coli Isolates from Scandinavia's Largest Sewage Treatment Plant Indicates No Selection for Antibiotic Resistance. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 11419-11428	10.3	30
78	Resistance Mutations in gyrA and parC are Common in Escherichia Communities of both Fluoroquinolone-Polluted and Uncontaminated Aquatic Environments. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1355	5.7	29

77	Proteomic analyses indicate induction of hepatic carbonyl reductase/20beta-hydroxysteroid dehydrogenase B in rainbow trout exposed to sewage effluent. <i>Ecotoxicology and Environmental Safety</i> , <b>2007</b> , 68, 33-9	7	29
76	Seasonal variations of vitelline envelope proteins, vitellogenin, and sex steroids in male and female eelpout ( <i>Zoarces viviparus</i> ). <i>General and Comparative Endocrinology</i> , <b>2002</b> , 125, 184-96	3	27
75	Seasonal variations in the activities of selected hepatic biotransformation and antioxidant enzymes in eelpout ( <i>Zoarces viviparus</i> ). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1999</b> , 124, 271-9		26
74	A framework for identifying the recent origins of mobile antibiotic resistance genes. <i>Communications Biology</i> , <b>2021</b> , 4, 8	6.7	26
73	The classical progesterone receptor mediates the rapid reduction of fallopian tube ciliary beat frequency by progesterone. <i>Reproductive Biology and Endocrinology</i> , <b>2013</b> , 11, 33	5	25
72	Hepatic transcriptome profiling indicates differential mRNA expression of apoptosis and immune related genes in eelpout ( <i>Zoarces viviparus</i> ) caught at G�teborg harbor, Sweden. <i>Aquatic Toxicology</i> , <b>2013</b> , 130-131, 58-67	5.1	25
71	Surveillance of antibiotic resistant <i>Escherichia coli</i> in human populations through urban wastewater in ten European countries. <i>Environmental Pollution</i> , <b>2020</b> , 261, 114200	9.3	24
70	The Association between Insertion Sequences and Antibiotic Resistance Genes. <i>MSphere</i> , <b>2020</b> , 5,	5	24
69	Discovery of a novel integron-borne aminoglycoside resistance gene present in clinical pathogens by screening environmental bacterial communities. <i>Microbiome</i> , <b>2020</b> , 8, 41	16.6	23
68	Gonadotropin-releasing hormone analogue (GnRH-A) induces multiple ovulations of high-quality eggs in a cold-water, batch-spawning teleost, the yellowtail flounder ( <i>Pleuronectes ferrugineus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1997</b> , 54, 1957-1964	2.4	23
67	Long-term application of Swedish sewage sludge on farmland does not cause clear changes in the soil bacterial resistome. <i>Environment International</i> , <b>2020</b> , 137, 105339	12.9	22
66	Characterization of putative ligands for a fish gonadal androgen receptor in a pulp mill effluent. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 419-27	3.8	22
65	Can branding and price of pharmaceuticals guide informed choices towards improved pollution control during manufacturing?. <i>Journal of Cleaner Production</i> , <b>2018</b> , 171, 137-146	10.3	21
64	Fish models in toxicology. <i>Zebrafish</i> , <b>2007</b> , 4, 9-20	2	21
63	A novel method to discover fluoroquinolone antibiotic resistance (qnr) genes in fragmented nucleotide sequences. <i>BMC Genomics</i> , <b>2012</b> , 13, 695	4.5	20
62	Development of hepatic CYP1A and blood vitellogenin in eel ( <i>Anguilla anguilla</i> ) for use as biomarkers in the Thames Estuary, UK. <i>Marine Environmental Research</i> , <b>2000</b> , 50, 367-71	3.3	20
61	Dominant role of nuclear progesterone receptor in the control of rat periovulatory granulosa cell apoptosis. <i>Biology of Reproduction</i> , <b>2009</b> , 80, 1160-7	3.9	19
60	Antimicrobial activity of filamentous fungi isolated from highly antibiotic-contaminated river sediment. <i>Infection Ecology and Epidemiology</i> , <b>2012</b> , 2,	4.3	18

59	Is heart rate in fish a sensitive indicator to evaluate acute effects of $\beta$ blockers in surface water?. <i>Environmental Toxicology and Pharmacology</i> , <b>2006</b> , 22, 338-40	5.8	18
58	Global hepatic gene expression in rainbow trout exposed to sewage effluents: a comparison of different sewage treatment technologies. <i>Science of the Total Environment</i> , <b>2012</b> , 427-428, 106-14	10.2	17
57	Regulation of androgen receptors in Atlantic croaker brains by testosterone and estradiol. <i>General and Comparative Endocrinology</i> , <b>2002</b> , 128, 224-30	3	17
56	Computational discovery and functional validation of novel fluoroquinolone resistance genes in public metagenomic data sets. <i>BMC Genomics</i> , <b>2017</b> , 18, 682	4.5	16
55	Induction of hepatic carbonyl reductase/20beta-hydroxysteroid dehydrogenase mRNA in rainbow trout downstream from sewage treatment works--possible roles of aryl hydrocarbon receptor agonists and oxidative stress. <i>Aquatic Toxicology</i> , <b>2010</b> , 97, 243-9	5.1	16
54	Selective concentrations for trimethoprim resistance in aquatic environments. <i>Environment International</i> , <b>2020</b> , 144, 106083	12.9	15
53	Setting a baseline for global urban virome surveillance in sewage. <i>Scientific Reports</i> , <b>2020</b> , 10, 13748	4.9	15
52	Functional verification of computationally predicted qnr genes. <i>Annals of Clinical Microbiology and Antimicrobials</i> , <b>2013</b> , 12, 34	6.2	14
51	Quinolone resistance mutations in the faecal microbiota of Swedish travellers to India. <i>BMC Microbiology</i> , <b>2015</b> , 15, 235	4.5	14
50	Effects of potential xenoestrogens (DEHP, nonylphenol and PCB) on sexual differentiation in juvenile Atlantic salmon ( <i>Salmo salar</i> ). <i>Aquatic Ecosystem Health and Management</i> , <b>1999</b> , 2, 311-317	1.4	14
49	Effects of ozonated sewage effluent on reproduction and behavioral endpoints in zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , <b>2018</b> , 200, 93-101	5.1	12
48	Characterization of the First OXA-10 Natural Variant with Increased Carbapenemase Activity. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	12
47	CMY-1/MOX-family AmpC $\beta$ lactamases MOX-1, MOX-2 and MOX-9 were mobilized independently from three <i>Aeromonas</i> species. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 1202-1206	5.1	11
46	Predicting clinical resistance prevalence using sewage metagenomic data. <i>Communications Biology</i> , <b>2020</b> , 3, 711	6.7	11
45	Environmental Comparative Pharmacology: Theory and Application. <i>Emerging Topics in Ecotoxicology</i> , <b>2012</b> , 85-108		11
44	Aqueous and lipid nuclear magnetic resonance metabolomic profiles of the earthworm <i>Aporrectodea caliginosa</i> show potential as an indicator species for environmental metabolomics. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 2313-22	3.8	10
43	Progesterone-mediated effects on gene expression and oocyte-cumulus complex transport in the mouse fallopian tube. <i>Reproductive Biology and Endocrinology</i> , <b>2015</b> , 13, 40	5	10
42	Transcriptional effects of progesterone receptor antagonist in rat granulosa cells. <i>Molecular and Cellular Endocrinology</i> , <b>2010</b> , 315, 121-30	4.4	10



41	Release of active pharmaceutical ingredients from manufacturing sites--need for new management strategies. <i>Integrated Environmental Assessment and Management</i> , <b>2010</b> , 6, 184-6	2.5	10
40	More male fish embryos near a pulp mill <b>2000</b> , 19, 2911		10
39	Waterborne beclomethasone dipropionate affects the physiology of fish while its metabolite beclomethasone is not taken up. <i>Science of the Total Environment</i> , <b>2015</b> , 511, 37-46	10.2	9
38	A Novel, Integron-Regulated, Class C $\beta$ -Lactamase. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	9
37	Managing pollution from antibiotics manufacturing: charting actors, incentives and disincentives. <i>Environmental Health</i> , <b>2019</b> , 18, 95	6	9
36	Every fifth published metagenome is not available to science. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000698	9.7	9
35	Neuroactive drugs and other pharmaceuticals found in blood plasma of wild European fish. <i>Environment International</i> , <b>2021</b> , 146, 106188	12.9	9
34	Protection goals must guide risk assessment for antibiotics. <i>Environment International</i> , <b>2018</b> , 111, 352-353.	3.9	8
33	Oral exposure to industrial effluent with exceptionally high levels of drugs does not indicate acute toxic effects in rats. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 577-84	3.8	8
32	Evidence for selection of multi-resistant E. coli by hospital effluent. <i>Environment International</i> , <b>2021</b> , 150, 106436	12.9	8
31	An updated phylogeny of the metallo- $\beta$ -lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 117-123	5.1	8
30	Twenty-year trends in antimicrobial resistance from aquaculture and fisheries in Asia. <i>Nature Communications</i> , <b>2021</b> , 12, 5384	17.4	8
29	Bacterial resistance to arsenic protects against protist killing. <i>BioMetals</i> , <b>2017</b> , 30, 307-311	3.4	7
28	gen. nov., sp. nov., a New Member of the Family Isolated From a Wound Infection, Carries a Novel Quinolone Resistance Gene Variant. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2511	5.7	7
27	Physiology and mRNA expression in rainbow trout ( <i>Oncorhynchus mykiss</i> ) after long-term exposure to the new antifoulant medetomidine. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2011</b> , 154, 234-41	3.2	7
26	Limited Bacterial Diversity within a Treatment Plant Receiving Antibiotic-Containing Waste from Bulk Drug Production. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165914	3.7	7
25	PER extended-spectrum $\beta$ -lactamases originate from <i>Pararheinheimera</i> spp. <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 53, 158-164	14.3	7
24	Structural and biochemical characterization of the environmental MBLs MYO-1, ECV-1 and SHD-1. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 2554-2563	5.1	6

23	Comprehensive screening of genomic and metagenomic data reveals a large diversity of tetracycline resistance genes. <i>Microbial Genomics</i> , <b>2020</b> , 6,	4.4	6
22	Naproxen affects multiple organs in fish but is still an environmentally better alternative to diclofenac. <i>Aquatic Toxicology</i> , <b>2020</b> , 227, 105583	5.1	6
21	Investigating the effects of municipal and hospital wastewaters on horizontal gene transfer. <i>Environmental Pollution</i> , <b>2021</b> , 276, 116733	9.3	6
20	The mobile FOX AmpC beta-lactamases originated in <i>Aeromonas allosaccharophila</i> . <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 54, 798-802	14.3	5
19	Carbonyl reductase mRNA abundance and enzymatic activity as potential biomarkers of oxidative stress in marine fish. <i>Marine Environmental Research</i> , <b>2012</b> , 80, 56-61	3.3	5
18	Apoptotic effects of a progesterone receptor antagonist on rat granulosa cells are not mediated via reduced protein isoprenylation. <i>Molecular Reproduction and Development</i> , <b>2007</b> , 74, 1317-26	2.6	5
17	Monitoring of hospital sewage shows both promise and limitations as an early-warning system for carbapenemase-producing Enterobacterales in a low-prevalence setting. <i>Water Research</i> , <b>2021</b> , 200, 117261	12.5	5
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15	The Class A Carbapenemases BKC-1 and GPC-1 Both Originate from the Bacterial Genus. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	4
14	Fecal pollution explains antibiotic resistance gene abundances in anthropogenically impacted environments		3
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12	Synthesis and biological evaluation of truncated derivatives of abyssomicin C as antibacterial agents. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 1468-1474	2.5	2
11	Long-read metagenomic sequencing reveals shifts in associations of antibiotic resistance genes with mobile genetic elements from sewage to activated sludge.. <i>Microbiome</i> , <b>2022</b> , 10, 20	16.6	2
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8	Large-scale characterization of the macrolide resistome reveals high diversity and several new pathogen-associated genes.. <i>Microbial Genomics</i> , <b>2022</b> , 8,	4.4	1
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6	Supply chain transparency and the availability of essential medicines. <i>Bulletin of the World Health Organization</i> , <b>2021</b> , 99, 319-320	8.2	1

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| 5 | Evidence for <i>Pseudoxanthomonas mexicana</i> as the recent origin of the bla carbapenemase gene.. <i>International Journal of Antimicrobial Agents</i> , <b>2022</b> , 106571  | 14.3 | 1 |
| 4 | Three-Year Consecutive Field Application of Erythromycin Fermentation Residue Following Hydrothermal Treatment: Cumulative Effect on Soil Antibiotic Resistance Genes. <i>Engineering</i> , <b>2022</b> ,                  | 9.7  | 1 |
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