D G Joakim Larsson

List of Publications by Year
in descending order

171 papers	21,075 citations	16437 64 h-index	10441 139 g-index
185 all docs	185 docs citations	185 times ranked	17842 citing authors

#	Article	IF	Citations
1	Effluent from drug manufactures contains extremely high levels of pharmaceuticals. Journal of Hazardous Materials, 2007, 148, 751-755.	6.5	1,178
2	Pharmaceuticals and Personal Care Products in the Environment: What Are the Big Questions?. Environmental Health Perspectives, 2012, 120, 1221-1229.	2.8	1,033
3	Contamination of surface, ground, and drinking water from pharmaceutical production. Environmental Toxicology and Chemistry, 2009, 28, 2522-2527.	2.2	783
4	Antibiotic resistance in the environment. Nature Reviews Microbiology, 2022, 20, 257-269.	13.6	776
5	Management Options for Reducing the Release of Antibiotics and Antibiotic Resistance Genes to the Environment. Environmental Health Perspectives, 2013, 121, 878-885.	2.8	657
6	Concentrations of antibiotics predicted to select for resistant bacteria: Proposed limits for environmental regulation. Environment International, 2016, 86, 140-149.	4.8	612
7	Environmental factors influencing the development and spread of antibiotic resistance. FEMS Microbiology Reviews, 2018, 42, .	3.9	612
8	Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. Nature Communications, 2019, 10, 1124.	5.8	612
9	Ethinyloestradiol â€" an undesired fish contraceptive?. Aquatic Toxicology, 1999, 45, 91-97.	1.9	603
10	Co-occurrence of resistance genes to antibiotics, biocides and metals reveals novel insights into their co-selection potential. BMC Genomics, 2015, 16, 964.	1.2	587
11	BacMet: antibacterial biocide and metal resistance genes database. Nucleic Acids Research, 2014, 42, D737-D743.	6.5	564
12	Human Health Risk Assessment (HHRA) for Environmental Development and Transfer of Antibiotic Resistance. Environmental Health Perspectives, 2013, 121, 993-1001.	2.8	508
13	The Scourge of Antibiotic Resistance: The Important Role of the Environment. Clinical Infectious Diseases, 2013, 57, 704-710.	2.9	487
14	Evolutionary Conservation of Human Drug Targets in Organisms used for Environmental Risk Assessments. Environmental Science & Technology, 2008, 42, 5807-5813.	4.6	475
15	Pyrosequencing of Antibiotic-Contaminated River Sediments Reveals High Levels of Resistance and Gene Transfer Elements. PLoS ONE, 2011, 6, e17038.	1.1	452
16	<scp>metaxa</scp>2: improved identification and taxonomic classification of small and large subunit rRNA in metagenomic data. Molecular Ecology Resources, 2015, 15, 1403-1414.	2.2	426
17	Fecal pollution can explain antibiotic resistance gene abundances in anthropogenically impacted environments. Nature Communications, 2019, 10, 80.	5.8	378
18	The structure and diversity of human, animal and environmental resistomes. Microbiome, 2016, 4, 54.	4.9	355

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19	Pollution from drug manufacturing: review and perspectives. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130571.	1.8	351
20	GCâ€“MS analysis and ecotoxicological risk assessment of triclosan, carbamazepine and parabens in Indian rivers. Journal of Hazardous Materials, 2011, 186, 1586-1593.	6.5	316
21	Maternal gut and breast milk microbiota affect infant gut antibiotic resistome and mobile genetic elements. Nature Communications, 2018, 9, 3891.	5.8	313
22	Critical knowledge gaps and research needs related to the environmental dimensions of antibiotic resistance. Environment International, 2018, 117, 132-138.	4.8	281
23	Metal Resistance and Its Association With Antibiotic Resistance. Advances in Microbial Physiology, 2017, 70, 261-313.	1.0	276
24	Antibiotics in the environment. Upsala Journal of Medical Sciences, 2014, 119, 108-112.	0.4	250
25	Antibiotics and common antibacterial biocides stimulate horizontal transfer of resistance at low concentrations. Science of the Total Environment, 2018, 616-617, 172-178.	3.9	244
26	Elucidating selection processes for antibiotic resistance in sewage treatment plants using metagenomics. Science of the Total Environment, 2016, 572, 697-712.	3.9	213
27	Therapeutic Levels of Levonorgestrel Detected in Blood Plasma of Fish: Results from Screening Rainbow Trout Exposed to Treated Sewage Effluents. Environmental Science & Technology, 2010, 44, 2661-2666.	4.6	200
28	The European technical report on aquatic effect-based monitoring tools under the water framework directive. Environmental Sciences Europe, 2015, 27, .	11.0	196
29	Antibiotic resistance genes in the environment: prioritizing risks. Nature Reviews Microbiology, 2015, 13, 396-396.	13.6	194
30	Shotgun metagenomics reveals a wide array of antibiotic resistance genes and mobile elements in a polluted lake in India. Frontiers in Microbiology, 2014, 5, 648.	1.5	193
31	Predicted critical environmental concentrations for 500 pharmaceuticals. Regulatory Toxicology and Pharmacology, 2010, 58, 516-523.	1.3	187
32	More male fish embryos near a pulp mill. Environmental Toxicology and Chemistry, 2000, 19, 2911-2917.	2.2	168
33	Minimal selective concentrations of tetracycline in complex aquatic bacterial biofilms. Science of the Total Environment, 2016, 553, 587-595.	3.9	166
34	The Lancet Infectious Diseases Commission on antimicrobial resistance: 6 years later. Lancet Infectious Diseases, The, 2020, 20, e51-e60.	4.6	161
35	Fluoroquinolones and qnr Genes in Sediment, Water, Soil, and Human Fecal Flora in an Environment Polluted by Manufacturing Discharges. Environmental Science & Technology, 2014, 48, 7825-7832.	4.6	158
36	The Human Gut Microbiome as a Transporter of Antibiotic Resistance Genes between Continents. Antimicrobial Agents and Chemotherapy, 2015, 59, 6551-6560.	1.4	155

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37	Untreated urban waste contaminates Indian river sediments with resistance genes to last resort antibiotics. Water Research, 2017, 124, 388-397.	5.3	151
38	A conceptual framework for the environmental surveillance of antibiotics and antibiotic resistance. Environment International, 2019, 130, 104880.	4.8	142
39	Improving Environmental Risk Assessment of Human Pharmaceuticals. Environmental Science & Technology, 2015, 49, 5336-5345.	4.6	141
40	Non-steroidal anti-inflammatory drugs in Indian rivers. Environmental Science and Pollution Research, 2014, 21, 921-931.	2.7	135
41	GCâ€“MS determination of bisphenol A and alkylphenol ethoxylates in river water from India and their ecotoxicological risk assessment. Ecotoxicology and Environmental Safety, 2014, 99, 13-20.	2.9	135
42	An assay for determining minimal concentrations of antibiotics that drive horizontal transfer of resistance. Science of the Total Environment, 2016, 548-549, 131-138.	3.9	134
43	Discovery of the fourth mobile sulfonamide resistance gene. Microbiome, 2017, 5, 160.	4.9	134
44	Variations in bioconcentration of human pharmaceuticals from sewage effluents into fish blood plasma. Environmental Toxicology and Pharmacology, 2007, 24, 267-274.	2.0	130
45	Prioritising pharmaceuticals for environmental risk assessment: Towards adequate and feasible first-tier selection. Science of the Total Environment, 2012, 421-422, 102-110.	3.9	127
46	Male-biased sex ratios of fish embryos near a pulp mill: temporary recovery after a short-term shutdown.. Environmental Health Perspectives, 2002, 110, 739-742.	2.8	125
47	Potential ecological footprints of active pharmaceutical ingredients: an examination of risk factors in low-, middle- and high-income countries. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130586.	1.8	123
48	Influence of Humans on Evolution and Mobilization of Environmental Antibiotic Resistome. Emerging Infectious Diseases, 2013, 19, .	2.0	118
49	Using NMR metabolomics to identify responses of an environmental estrogen in blood plasma of fish. Aquatic Toxicology, 2006, 78, 341-349.	1.9	116
50	Effluent from bulk drug production is toxic to aquatic vertebrates. Environmental Toxicology and Chemistry, 2009, 28, 2656-2662.	2.2	110
51	Tissue-specific bioconcentration of antidepressants in fish exposed to effluent from a municipal sewage treatment plant. Science of the Total Environment, 2014, 488-489, 46-50.	3.9	108
52	The impact of temperature on the metabolome and endocrine metabolic signals in Atlantic salmon (Salmo salar). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 44-53.	0.8	105
53	Contributions from metabolomics to fish research. Molecular BioSystems, 2008, 4, 974.	2.9	93
54	A Treatment Plant Receiving Waste Water from Multiple Bulk Drug Manufacturers Is a Reservoir for Highly Multi-Drug Resistant Integron-Bearing Bacteria. PLoS ONE, 2013, 8, e77310.	1.1	90

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55	Twenty-year trends in antimicrobial resistance from aquaculture and fisheries in Asia. Nature Communications, 2021, 12, 5384.	5.8	88
56	Using metagenomics to investigate human and environmental resistomes. Journal of Antimicrobial Chemotherapy, 2017, 72, 2690-2703.	1.3	87
57	Identification and reconstruction of novel antibiotic resistance genes from metagenomes. Microbiome, 2019, 7, 52.	4.9	84
58	Diclofenac in fish: Blood plasma levels similar to human therapeutic levels affect global hepatic gene expression. Environmental Toxicology and Chemistry, 2011, 30, 2126-2134.	2.2	83
59	Sewage effluent from an Indian hospital harbors novel carbapenemases and integron-borne antibiotic resistance genes. Microbiome, 2019, 7, 97.	4.9	76
60	Identification of 76 novel B1 metallo-Î²-lactamases through large-scale screening of genomic and metagenomic data. Microbiome, 2017, 5, 134.	4.9	75
61	A framework for identifying the recent origins of mobile antibiotic resistance genes. Communications Biology, 2021, 4, 8.	2.0	73
62	Population-level surveillance of antibiotic resistance in Escherichia coli through sewage analysis. Eurosurveillance, 2019, 24, .	3.9	73
63	Resistance Mutations in gyrA and parC are Common in Escherichia Communities of both Fluoroquinolone-Polluted and Uncontaminated Aquatic Environments. Frontiers in Microbiology, 2015, 6, 1355.	1.5	71
64	Antimicrobial resistance and the environment: assessment of advances, gaps and recommendations for agriculture, aquaculture and pharmaceutical manufacturing. FEMS Microbiology Ecology, 2018, 94, .	1.3	71
65	Selective concentration for ciprofloxacin resistance in Escherichia coli grown in complex aquatic bacterial biofilms. Environment International, 2018, 116, 255-268.	4.8	71
66	Transparency throughout the production chainâ€"a way to reduce pollution from the manufacturing of pharmaceuticals?. Regulatory Toxicology and Pharmacology, 2009, 53, 161-163.	1.3	70
67	Does antifouling paint select for antibiotic resistance?. Science of the Total Environment, 2017, 590-591, 461-468.	3.9	70
68	A metabolomics approach to elucidate effects of food deprivation in juvenile rainbow trout (Oncorhynchus mykiss). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1440-R1448.	0.9	68
69	Characterization of the Zoarces viviparus liver transcriptome using massively parallel pyrosequencing. BMC Genomics, 2009, 10, 345.	1.2	65
70	Differential removal of human pathogenic viruses from sewage by conventional and ozone treatments. International Journal of Hygiene and Environmental Health, 2018, 221, 479-488.	2.1	65
71	Pharmaceutical industry effluent diluted 1:500 affects global gene expression, cytochrome P450 1A activity, and plasma phosphate in fish. Environmental Toxicology and Chemistry, 2009, 28, 2639-2647.	2.2	64
72	Distribution and hormonal regulation of membrane progesterone receptors Î² and Î³ in ciliated epithelial cells of mouse and human fallopian tubes. Reproductive Biology and Endocrinology, 2009, 7, 89.	1.4	60

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73	Functional metagenomics reveals a novel carbapenem-hydrolyzing mobile beta-lactamase from Indian river sediments contaminated with antibiotic production waste. Environment International, 2018, 112, 279-286.	4.8	60
74	The Association between Insertion Sequences and Antibiotic Resistance Genes. MSphere, 2020, 5, .	1.3	60
75	Sensitive and robust gene expression changes in fish exposed to estrogen â€“ a microarray approach. BMC Genomics, 2007, 8, 149.	1.2	58
76	Studies of Masculinization, Detoxification, and Oxidative Stress Responses in Guppies (Poecilia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 13-20.	2.9	57
77	Reproducible ¹H NMR-Based Metabolomic Responses in Fish Exposed to Different Sewage Effluents in Two Separate Studies. Environmental Science & Technology, 2011, 45, 1703-1710.	4.6	52
78	Acquired Genetic Mechanisms of a Multiresistant Bacterium Isolated from a Treatment Plant Receiving Wastewater from Antibiotic Production. Applied and Environmental Microbiology, 2013, 79, 7256-7263.	1.4	52
79	Long-read metagenomic sequencing reveals shifts in associations of antibiotic resistance genes with mobile genetic elements from sewage to activated sludge. Microbiome, 2022, 10, 20.	4.9	52
80	Membrane progesterone receptor gamma: Tissue distribution and expression in ciliated cells in the fallopian tube. Molecular Reproduction and Development, 2007, 74, 843-850.	1.0	51
81	Rapid effects of progesterone on ciliary beat frequency in the mouse fallopian tube. Reproductive Biology and Endocrinology, 2010, 8, 48.	1.4	51
82	Isolation of novel IncA/C and IncN fluoroquinolone resistance plasmids from an antibiotic-polluted lake. Journal of Antimicrobial Chemotherapy, 2015, 70, 2709-2717.	1.3	51
83	Surveillance of antibiotic resistant Escherichia coli in human populations through urban wastewater in ten European countries. Environmental Pollution, 2020, 261, 114200.	3.7	50
84	Diclofenac affects kidney histology in the three-spined stickleback (Gasterosteus aculeatus) at low Î¼g/L concentrations. Aquatic Toxicology, 2017, 189, 87-96.	1.9	50
85	A Comprehensive Screening of Escherichia coli Isolates from Scandinaviaâ€™s Largest Sewage Treatment Plant Indicates No Selection for Antibiotic Resistance. Environmental Science & Technology, 2018, 52, 11419-11428.	4.6	46
86	Induction of Vitelline Envelope Proteins by Estradiol-17Î² in 10 Teleost Species. General and Comparative Endocrinology, 1994, 96, 445-450.	0.8	45
87	Comparison of six different sewage treatment processesâ€”Reduction of estrogenic substances and effects on gene expression in exposed male fish. Science of the Total Environment, 2009, 407, 5235-5242.	3.9	45
88	A novel method for cross-species gene expression analysis. BMC Bioinformatics, 2013, 14, 70.	1.2	45
89	Underappreciated Role of Regionally Poor Water Quality on Globally Increasing Antibiotic Resistance. Environmental Science & Technology, 2014, 48, 11746-11747.	4.6	44
90	Progesterone-Receptor Antagonists and Statins Decrease De Novo Cholesterol Synthesis and Increase Apoptosis in Rat and Human Periovulatory Granulosa Cells In Vitro1. Biology of Reproduction, 2005, 72, 538-545.	1.2	41

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91	Does waterborne citalopram affect the aggressive and sexual behaviour of rainbow trout and guppy?. Journal of Hazardous Materials, 2011, 187, 596-599.	6.5	39
92	Setting a baseline for global urban virome surveillance in sewage. Scientific Reports, 2020, 10, 13748.	1.6	39
93	Discovery of a novel integron-borne aminoglycoside resistance gene present in clinical pathogens by screening environmental bacterial communities. Microbiome, 2020, 8, 41.	4.9	38
94	Long-term application of Swedish sewage sludge on farmland does not cause clear changes in the soil bacterial resistome. Environment International, 2020, 137, 105339.	4.8	38
95	Amino acid composition and endocrine control of vitelline envelope proteins in European sea bass (Dicentrarchus labrax) and gilthead sea bream (Sparus aurata). Molecular Reproduction and Development, 1995, 41, 339-347.	1.0	37
96	Effluent from drug manufacturing affects cytochrome P450 1 regulation and function in fish. Chemosphere, 2013, 90, 1149-1157.	4.2	37
97	Predicting clinical resistance prevalence using sewage metagenomic data. Communications Biology, 2020, 3, 711.	2.0	37
98	Does ketoprofen or diclofenac pose the lowest risk to fish?. Journal of Hazardous Materials, 2012, 229-230, 100-106.	6.5	35
99	Seasonal variations in the activities of selected hepatic biotransformation and antioxidant enzymes in eelpout (Zoarces viviparus). Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 124, 271-279.	0.5	34
100	The classical progesterone receptor mediates the rapid reduction of fallopian tube ciliary beat frequency by progesterone. Reproductive Biology and Endocrinology, 2013, 11, 33.	1.4	33
101	Seasonal Variations of Vitelline Envelope Proteins, Vitellogenin, and Sex Steroids in Male and Female Eelpout (Zoarces viviparus). General and Comparative Endocrinology, 2002, 125, 184-196.	0.8	31
102	Evidence for selection of multi-resistant E. coli by hospital effluent. Environment International, 2021, 150, 106436.	4.8	31
103	Proteomic analyses indicate induction of hepatic carbonyl reductase/20Î²-hydroxysteroid dehydrogenase B in rainbow trout exposed to sewage effluent. Ecotoxicology and Environmental Safety, 2007, 68, 33-39.	2.9	30
104	Antimicrobial activity of filamentous fungi isolated from highly antibiotic-contaminated river sediment. Infection Ecology and Epidemiology, 2012, 2, 11591.	0.5	30
105	Selective concentrations for trimethoprim resistance in aquatic environments. Environment International, 2020, 144, 106083.	4.8	30
106	Antibiotic resistance genes of emerging concern in municipal and hospital wastewater from a major Swedish city. Science of the Total Environment, 2022, 812, 151433.	3.9	28
107	Fish Models in Toxicology. Zebrafish, 2007, 4, 9-20.	0.5	27
108	Demonstrating a Comprehensive Wastewater-Based Surveillance Approach That Differentiates Globally Sourced Resistomes. Environmental Science & Technology, 2022, 56, 14982-14993.	4.6	27

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109	Hepatic transcriptome profiling indicates differential mRNA expression of apoptosis and immune related genes in eelpout (Zoarces viviparus) caught at GÃ¶teborg harbor, Sweden. Aquatic Toxicology, 2013, 130-131, 58-67.	1.9	26
110	Investigating the effects of municipal and hospital wastewaters on horizontal gene transfer. Environmental Pollution, 2021, 276, 116733.	3.7	26
111	Can branding and price of pharmaceuticals guide informed choices towards improved pollution control during manufacturing?. Journal of Cleaner Production, 2018, 171, 137-146.	4.6	25
112	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>). Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 1957-1964.	0.7	25
113	CHARACTERIZATION OF PUTATIVE LIGANDS FOR A FISH GONADAL ANDROGEN RECEPTOR IN A PULP MILL EFFLUENT. Environmental Toxicology and Chemistry, 2006, 25, 419.	2.2	24
114	Computational discovery and functional validation of novel fluoroquinolone resistance genes in public metagenomic data sets. BMC Genomics, 2017, 18, 682.	1.2	24
115	Monitoring of hospital sewage shows both promise and limitations as an early-warning system for carbapenemase-producing Enterobacterales in a low-prevalence setting. Water Research, 2021, 200, 117261.	5.3	24
116	Development of hepatic CYP1A and blood vitellogenin in eel (Anguilla anguilla) for use as biomarkers in the Thames Estuary, UK. Marine Environmental Research, 2000, 50, 367-371.	1.1	23
117	Editorial: The Environmental Dimension of Antibiotic Resistance. FEMS Microbiology Ecology, 2020, 96, .	1.3	23
118	A novel method to discover fluoroquinolone antibiotic resistance (qnr) genes in fragmented nucleotide sequences. BMC Genomics, 2012, 13, 695.	1.2	22
119	Neuroactive drugs and other pharmaceuticals found in blood plasma of wild European fish. Environment International, 2021, 146, 106188.	4.8	22
120	Effects of potential xenoestrogens (DEHP, nonylphenol and PCB) on sexual differentiation in juvenile Atlantic salmon (Salmo salar). Aquatic Ecosystem Health and Management, 1999, 2, 311-317.	0.3	21
121	Regulation of androgen receptors in Atlantic croaker brains by testosterone and estradiol. General and Comparative Endocrinology, 2002, 128, 224-230.	0.8	21
122	Managing pollution from antibiotics manufacturing: charting actors, incentives and disincentives. Environmental Health, 2019, 18, 95.	1.7	21
123	Characterization of the First OXA-10 Natural Variant with Increased Carbapenemase Activity. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	21
124	Is heart rate in fish a sensitive indicator to evaluate acute effects of Î²-blockers in surface water?. Environmental Toxicology and Pharmacology, 2006, 22, 338-340.	2.0	20
125	Dominant Role of Nuclear Progesterone Receptor in the Control of Rat Periovulatory Granulosa Cell Apoptosis1. Biology of Reproduction, 2009, 80, 1160-1167.	1.2	20
126	Naproxen affects multiple organs in fish but is still an environmentally better alternative to diclofenac. Aquatic Toxicology, 2020, 227, 105583.	1.9	20

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127	Scandinavium goeteborgense gen. nov., sp. nov., a New Member of the Family Enterobacteriaceae Isolated From a Wound Infection, Carries a Novel Quinolone Resistance Gene Variant. Frontiers in Microbiology, 2019, 10, 2511.	1.5	19
128	Comprehensive screening of genomic and metagenomic data reveals a large diversity of tetracycline resistance genes. Microbial Genomics, 2020, 6, .	1.0	19
129	Global hepatic gene expression in rainbow trout exposed to sewage effluents: A comparison of different sewage treatment technologies. Science of the Total Environment, 2012, 427-428, 106-114.	3.9	18
130	Every fifth published metagenome is not available to science. PLoS Biology, 2020, 18, e3000698.	2.6	18
131	Induction of hepatic carbonyl reductase/20Î²-hydroxysteroid dehydrogenase mRNA in rainbow trout downstream from sewage treatment worksâ€"Possible roles of aryl hydrocarbon receptor agonists and oxidative stress. Aquatic Toxicology, 2010, 97, 243-249.	1.9	17
132	CMY-1/MOX-family AmpC Î²-lactamases MOX-1, MOX-2 and MOX-9 were mobilized independently from three Aeromonas species. Journal of Antimicrobial Chemotherapy, 2019, 74, 1202-1206.	1.3	17
133	Antibiotic Resistance in Wastewater Treatment Plants and Transmission Risks for Employees and Residents: The Concept of the AWARE Study. Antibiotics, 2021, 10, 478.	1.5	17
134	Functional verification of computationally predicted qnr genes. Annals of Clinical Microbiology and Antimicrobials, 2013, 12, 34.	1.7	16
135	Quinolone resistance mutations in the faecal microbiota of Swedish travellers to India. BMC Microbiology, 2015, 15, 235.	1.3	16
136	The mobile FOX AmpC beta-lactamases originated in Aeromonas allosaccharophila. International Journal of Antimicrobial Agents, 2019, 54, 798-802.	1.1	15
137	Progesterone-mediated effects on gene expression and oocyte-cumulus complex transport in the mouse fallopian tube. Reproductive Biology and Endocrinology, 2015, 13, 40.	1.4	14
138	Effects of ozonated sewage effluent on reproduction and behavioral endpoints in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	14
139	An updated phylogeny of the metallo-Î²-lactamases. Journal of Antimicrobial Chemotherapy, 2021, 76, 117-123.	1.3	14
140	Bacterial resistance to arsenic protects against protist killing. BioMetals, 2017, 30, 307-311.	1.8	13
141	Release of active pharmaceutical ingredients from manufacturing sitesâ€"need for new management strategies. Integrated Environmental Assessment and Management, 2010, 6, 184-186.	1.6	12
142	Aqueous and lipid nuclear magnetic resonance metabolomic profiles of the earthworm Aporrectodea caliginosa show potential as an indicator species for environmental metabolomics. Environmental Toxicology and Chemistry, 2014, 33, 2313-2322.	2.2	12
143	Protection goals must guide risk assessment for antibiotics. Environment International, 2018, 111, 352-353.	4.8	12
144	PER extended-spectrum Î²-lactamases originate from Pararheinheimera spp. International Journal of Antimicrobial Agents, 2019, 53, 158-164.	1.1	12

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145	Three-Year Consecutive Field Application of Erythromycin Fermentation Residue Following Hydrothermal Treatment: Cumulative Effect on Soil Antibiotic Resistance Genes. Engineering, 2022, 15, 78-88.	3.2	12
146	Environmental Comparative Pharmacology: Theory and Application. Emerging Topics in Ecotoxicology, 2012, , 85-108.	1.5	11
147	Waterborne beclomethasone dipropionate affects the physiology of fish while its metabolite beclomethasone is not taken up. Science of the Total Environment, 2015, 511, 37-46.	3.9	11
148	A Novel, Integron-Regulated, Class C Î²-Lactamase. Antibiotics, 2020, 9, 123.	1.5	11
149	Transcriptional effects of progesterone receptor antagonist in rat granulosa cells. Molecular and Cellular Endocrinology, 2010, 315, 121-130.	1.6	10
150	Oral exposure to industrial effluent with exceptionally high levels of drugs does not indicate acute toxic effects in rats. Environmental Toxicology and Chemistry, 2013, 32, 577-584.	2.2	10
151	More male fish embryos near a pulp mill. , 2000, 19, 2911.		10
152	Structural insights into the enhanced carbapenemase efficiency of OXAâ€655 compared to OXAâ€10. FEBS Open Bio, 2020, 10, 1821-1832.	1.0	9
153	Supply chain transparency and the availability of essential medicines. Bulletin of the World Health Organization, 2021, 99, 319-320.	1.5	9
154	Limited Bacterial Diversity within a Treatment Plant Receiving Antibiotic-Containing Waste from Bulk Drug Production. PLoS ONE, 2016, 11, e0165914.	1.1	9
155	Carriage of ESBL-producing Enterobacterales in wastewater treatment plant workers and surrounding residents â€" the AWARE Study. European Journal of Clinical Microbiology and Infectious Diseases, 2021, , 1.	1.3	9
156	Physiology and mRNA expression in rainbow trout (Oncorhynchus mykiss) after long-term exposure to the new antifoulant medetomidine. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 154, 234-241.	1.3	8
157	Structural and biochemical characterization of the environmental MBLs MYO-1, ECV-1 and SHD-1. Journal of Antimicrobial Chemotherapy, 2020, 75, 2554-2563.	1.3	8
158	Carbonyl reductase mRNA abundance and enzymatic activity as potential biomarkers of oxidative stress in marine fish. Marine Environmental Research, 2012, 80, 56-61.	1.1	7
159	Healthâ€related Research Ethics and Social Value: Antibiotic Resistance Intervention Research and Pragmatic Risks. Bioethics, 2019, 33, 335-342.	0.7	7
160	The Class A Carbapenemases BKC-1 and GPC-1 Both Originate from the Bacterial Genus Shinella. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	7
161	International Travel as a Risk Factor for Carriage of Extended-Spectrum Î²-Lactamase-Producing Escherichia coli in a Large Sample of European Individualsâ€"The AWARE Study. International Journal of Environmental Research and Public Health, 2022, 19, 4758.	1.2	7
162	Apoptotic effects of a progesterone receptor antagonist on rat granulosa cells are not mediated via reduced protein isoprenylation. Molecular Reproduction and Development, 2007, 74, 1317-1326.	1.0	6

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163	GEnView: a gene-centric, phylogeny-based comparative genomics pipeline for bacterial genomes and plasmids. Bioinformatics, 2022, 38, 1727-1728.	1.8	6
164	Large-scale characterization of the macrolide resistome reveals high diversity and several new pathogen-associated genes. Microbial Genomics, 2022, 8, .	1.0	5
165	Evidence for Pseudoxanthomonas mexicana as the recent origin of the blaAIM-1 carbapenemase gene. International Journal of Antimicrobial Agents, 2022, 59, 106571.	1.1	4
166	The Ethics of Antibiotic Resistance: Towards an Agenda for Feasible and Justified Global Health Policy. Bioethics, 2019, 33, 731-733.	0.7	3
167	Synthesis and biological evaluation of truncated derivatives of abyssomicin C as antibacterial agents. Beilstein Journal of Organic Chemistry, 2019, 15, 1468-1474.	1.3	3
168	Environmental biomonitoring of Zoarces viviparus in combination with large scale gene expression profiling. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S6-S7.	0.8	0
169	Pharmaceutical pollution from Indian drug manufacturing. Toxicology Letters, 2012, 211, S16.	0.4	0
170	Risks of using the natural defence of commensal bacteria as antibiotics call for research and regulation. International Journal of Antimicrobial Agents, 2018, 51, 277-278.	1.1	0
171	The search for new antibiotic substances from filamentous fungi. Planta Medica, 2012, 78, .	0.7	0