Peter Kille

List of Publications by Year in descending order

179 papers	7,294 citations	38742 50 h-index	74163 75 g-index
191 all docs	191 docs citations	191 times ranked	7515 citing authors

#	Article	IF	Citations
1	Protein Kinase CK2 Triggers Cytosolic Zinc Signaling Pathways by Phosphorylation of Zinc Channel ZIP7. Science Signaling, 2012, 5, ra11.	3.6	238
2	Control genes in quantitative molecular biological techniques: the variability of invariance. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 130, 281-289.	1.6	231
3	Zinc transporters and cancer: a potential role for ZIP7 as a hub for tyrosine kinase activation. Trends in Molecular Medicine, 2009, 15, 101-111.	6.7	195
4	Microevolution and Ecotoxicology of Metals in Invertebrates. Environmental Science & Technology, 2007, 41, 1085-1096.	10.0	185
5	'Systems toxicology' approach identifies coordinated metabolic responses to copper in a terrestrial non-model invertebrate, the earthworm Lumbricus rubellus. BMC Biology, 2008, 6, 25.	3.8	168
6	Phylogeny and physiology of candidate phylum â€˜Atribacteriaâ€™ (OP9/JS1) inferred from cultivation-independent genomics. ISME Journal, 2016, 10, 273-286.	9.8	166
7	The Role of Omics in the Application of Adverse Outcome Pathways for Chemical Risk Assessment. Toxicological Sciences, 2017, 158, 252-262.	3.1	161
8	Cadmium Detoxification in Earthworms:Â From Genes to Cellsâ€. Environmental Science & Technology, 2004, 38, 6283-6289.	10.0	139
9	Metal Ion Trafficking in Earthworms. Journal of Biological Chemistry, 2001, 276, 34013-34018.	3.4	137
10	The identification, cloning and characterization of earthworm metallothionein. FEBS Letters, 1998, 431, 437-442.	2.8	132
11	The effect of anthropogenic arsenic contamination on the earthworm microbiome. Environmental Microbiology, 2015, 17, 1884-1896.	3.8	118
12	Evidence for the existence of a functional Kiss1/Kiss1 receptor pathway in fish. Peptides, 2008, 29, 57-64.	2.4	112
13	The Metabolomic Responses of Caenorhabditis elegans to Cadmium Are Largely Independent of Metallothionein Status, but Dominated by Changes in Cystathionine and Phytochelatins. Journal of Proteome Research, 2009, 8, 3512-3519.	3.7	107
14	A mechanism for epithelialâ€“mesenchymal transition and anoikis resistance in breast cancer triggered by zinc channel ZIP6 and STAT3 (signal transducer and activator of transcription 3). Biochemical Journal, 2013, 455, 229-237.	3.7	102
15	Identification and characterization of a recombinant metallothionein protein from a marine alga, Fucus vesiculosus. Biochemical Journal, 1999, 338, 553-560.	3.7	96
16	Differential metallothionein expression in earthworm (Lumbricus rubellus) tissues. Ecotoxicology and Environmental Safety, 2004, 57, 11-19.	6.0	96
17	Metabolic Profile Biomarkers of Metal Contamination in a Sentinel Terrestrial Species Are Applicable Across Multiple Sites. Environmental Science & Technology, 2007, 41, 4458-4464.	10.0	96
18	Transcriptome profiling of developmental and xenobiotic responses in a keystone soil animal, the oligochaete annelid Lumbricus rubellus. BMC Genomics, 2008, 9, 266.	2.8	93

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19	Gonadal transcriptome responses and physiological consequences of exposure to oestrogen in breeding zebrafish (Danio rerio). Aquatic Toxicology, 2007, 83, 134-142.	4.0	89
20	Regulation of ZIP and ZnT zinc transporters in zebrafish gill: zinc repression of ZIP10 transcription by an intronic MRE cluster. Physiological Genomics, 2008, 34, 205-214.	2.3	87
21	A plant metallothionein produced inE. coli. FEBS Letters, 1991, 295, 171-175.	2.8	82
22	Identification of heavy metal induced changes in the expression patterns of the translationally controlled tumour protein (TCTP) in the earthworm Lumbricus rubellus. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1398, 294-304.	2.4	79
23	Zinc transporter ZIP10 forms a heteromer with ZIP6 which regulates embryonic development and cell migration. Biochemical Journal, 2016, 473, 2531-2544.	3.7	79
24	Measurement of annetocin gene expression: a new reproductive biomarker in earthworm ecotoxicology. Ecotoxicology and Environmental Safety, 2004, 57, 4-10.	6.0	77
25	Molecular basis of sex and reproductive status in breeding zebrafish. Physiological Genomics, 2007, 30, 111-122.	2.3	71
26	cDNA cloning and expression analysis of Eisenia fetida (Annelida: Oligochaeta) phytochelatin synthase under cadmium exposure. Ecotoxicology and Environmental Safety, 2008, 71, 47-55.	6.0	71
27	Unique metabolites protect earthworms against plant polyphenols. Nature Communications, 2015, 6, 7869.	12.8	71
28	Structural and Functional Analysis of the Rainbow Trout (Oncorhyncus mykiss) Metallothionein-A Gene. FEBS Journal, 1995, 230, 344-349.	0.2	70
29	DNA sequence variation and methylation in an arsenic tolerant earthworm population. Soil Biology and Biochemistry, 2013, 57, 524-532.	8.8	68
30	Responses of earthworms (Lumbricus rubellus) to copper and cadmium as determined by measurement of juvenile traits in a specifically designed test system. Ecotoxicology and Environmental Safety, 2004, 57, 54-64.	6.0	66
31	Glutathione transferase (GST) as a candidate molecular-based biomarker for soil toxin exposure in the earthworm Lumbricus rubellus. Environmental Pollution, 2009, 157, 2459-2469.	7.5	65
32	Species Sensitivity to Toxic Substances: Evolution, Ecology and Applications. Frontiers in Environmental Science, 2020, 8, .	3.3	65
33	Cadmium-induced differential accumulation of metallothionein isoforms in the Antarctic icefish, which exhibits no basal metallothionein protein but high endogenous mRNA levels. Biochemical Journal, 1998, 332, 475-481.	3.7	64
34	The phylogeny of teleost ZIP and ZnT zinc transporters and their tissue specific expression and response to zinc in zebrafish. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2005, 1732, 88-95.	2.4	64
35	Microfluidic chip-based synthesis of alginate microspheres for encapsulation of immortalized human cells. Biomicrofluidics, 2007, 1, 014105.	2.4	60
36	Zinc-controlled gene expression by metal-regulatory transcription factor 1 (MTF1) in a model vertebrate, the zebrafish. Biochemical Society Transactions, 2008, 36, 1252-1257.	3.4	60

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37	Species extrapolation for the 21st century. Environmental Toxicology and Chemistry, 2011, 30, 52-63.	4.3	60
38	Different routes, same pathways: Molecular mechanisms under silver ion and nanoparticle exposures in the soil sentinel Eisenia fetida. Environmental Pollution, 2015, 205, 385-393.	7.5	60
39	Molecular genetic differentiation in earthworms inhabiting a heterogeneous Pb-polluted landscape. Environmental Pollution, 2010, 158, 883-890.	7.5	58
40	Sexually dimorphic gene expression in the brains of mature zebrafish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 149, 314-324.	1.8	56
41	Developing a new method for soil pollution monitoring using molecular genetic biomarkers. Biomarkers, 2003, 8, 229-239.	1.9	54
42	Earthworm responses to Cd and Cu under fluctuating environmental conditions: a comparison with results from laboratory exposures. Environmental Pollution, 2005, 136, 443-452.	7.5	53
43	Memories of metallothionein. BBA - Proteins and Proteomics, 1994, 1205, 151-161.	2.1	52
44	Functional comparison of the metal-regulated transcriptional control regions of metallothionein genes from cadmium-sensitive and tolerant fish species. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1350, 325-334.	2.4	52
45	GOBLET: The Global Organisation for Bioinformatics Learning, Education and Training. PLoS Computational Biology, 2015, 11, e1004143.	3.2	52
46	Uptake routes and toxicokinetics of silver nanoparticles and silver ions in the earthworm Lumbricus rubellus. Environmental Toxicology and Chemistry, 2015, 34, 2263-2270.	4.3	52
47	Heavy metal-induced molecular responses in the earthworm, Lumbricus rubellus genetic fingerprinting by directed differential display. Applied Soil Ecology, 1998, 9, 495-500.	4.3	51
48	Metallothionein expression and Neutral Red uptake as biomarkers of metal exposure and effect in Eisenia fetida and Lumbricus terrestris exposed to Cd. European Journal of Soil Biology, 2007, 43, S233-S238.	3.2	51
49	Onâ€Chip Alginate Microencapsulation of Functional Cells. Macromolecular Rapid Communications, 2008, 29, 165-170.	3.9	51
50	Elucidation of cDNA sequences for metallothioneins from rainbow trout, stone loach and pike liver using the polymerase chain reaction. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1991, 1089, 407-410.	2.4	50
51	Hierarchical Responses of Soil Invertebrates (Earthworms) to Toxic Metal Stress. Environmental Science & Technology, 2005, 39, 5327-5334.	10.0	49
52	Analytical approaches to support current understanding of exposure, uptake and distributions of engineered nanoparticles by aquatic and terrestrial organisms. Ecotoxicology, 2015, 24, 239-261.	2.4	49
53	Difference in hepatic metallothionein content in Antarctic red-blooded and haemoglobinless fish: undetectable metallothionein levels in haemoglobinless fish is accompanied by accumulation of untranslated metallothionein mRNA. Biochemical Journal, 1997, 322, 207-211.	3.7	48
54	Validation of metabolomics for toxic mechanism of action screening with the earthworm Lumbricus rubellus. Metabolomics, 2009, 5, 72-83.	3.0	48

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55	Copper speciation in the Î± and Î² domains of recombinant human metallothionein by electrospray ionization mass spectrometry. Journal of Inorganic Biochemistry, 2002, 88, 153-172.	3.5	47
56	An in vitro method to assess toxicity of waterborne metals to fish. Toxicology and Applied Pharmacology, 2008, 230, 67-77.	2.8	46
57	Linking toxicant physiological mode of action with induced gene expression changes in Caenorhabditis elegans. BMC Systems Biology, 2010, 4, 32.	3.0	46
58	Induction of piscine metallothionein as a primary response to heavy metal pollutants: applicability of new sensitive molecular probes. Aquatic Toxicology, 1992, 22, 279-286.	4.0	45
59	Dynamic transcriptomic profiles of zebrafish gills in response to zinc supplementation. BMC Genomics, 2010, 11, 553.	2.8	44
60	Towards an integrative soil health assessment strategy: A three tier (integrative biomarker response) approach with Eisenia fetida applied to soils subjected to chronic metal pollution. Science of the Total Environment, 2013, 442, 344-365.	8.0	44
61	Identification and characterization of a recombinant metallothionein protein from a marine alga, Fucus vesiculosus. Biochemical Journal, 1999, 338, 553.	3.7	42
62	Characterization of the conformational changes in recombinant human metallothioneins using ESI-MS and molecular modeling. Canadian Journal of Chemistry, 2007, 85, 898-912.	1.1	42
63	Metallothioneins May Not Be Enoughâ€"The Role of Phytochelatins in Invertebrate Metal Detoxification. Environmental Science & Technology, 2014, 48, 885-886.	10.0	42
64	Metal Compartmentation and Speciation in a Soil Sentinel:Â The Earthworm,Dendrodrilusrubidus. Environmental Science & Technology, 2005, 39, 7731-7740.	10.0	41
65	Soil Animals and Pedogenesis. Soil Science, 2016, 181, 110-125.	0.9	40
66	Toxicological, cellular and gene expression responses in earthworms exposed to copper and cadmium. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 138, 11-21.	2.6	39
67	Effect of Stress on Mouse and Rat Brain Metallothionein I and III mRNA Levels. Neuroendocrinology, 1996, 64, 430-439.	2.5	38
68	Molecular Cloning and Expression of Thyroid Hormone Receptor Alpha during Salmonid Development. General and Comparative Endocrinology, 2002, 125, 226-235.	1.8	38
69	Infertility in a marine crustacean: Have we been ignoring pollution impacts on male invertebrates?. Aquatic Toxicology, 2008, 88, 81-87.	4.0	38
70	Earthworm genomes, genes and proteins: the (re)discovery of Darwin's worms. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 789-797.	2.6	38
71	Multiple introductions and environmental factors affecting theÂestablishment of invasive species on a volcanic island. Soil Biology and Biochemistry, 2015, 85, 89-100.	8.8	38
72	Toxicokinetics of Ag in the terrestrial isopod Porcellionides pruinosus exposed to Ag NPs and AgNO3 via soil and food. Ecotoxicology, 2016, 25, 267-278.	2.4	38

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73	Comparative Transcriptomic Responses to Chronic Cadmium, Fluoranthene, and Atrazine Exposure in Lumbricus rubellus. Environmental Science & Technology, 2008, 42, 4208-4214.	10.0	37
74	Accumulated Metal Speciation in Earthworm Populations with Multigenerational Exposure to Metalliferous Soils: Cell Fractionation and High-Energy Synchrotron Analyses. Environmental Science & Technology, 2009, 43, 6822-6829.	10.0	37
75	The expression of a synthetic rainbow trout metallothionein gene in E. coli. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1048, 178-186.	2.4	35
76	Addressing Nanomaterial Immunosafety by Evaluating Innate Immunity across Living Species. Small, 2020, 16, e2000598.	10.0	35
77	Analysis of regulatory elements flanking metallothionein genes in Cd-tolerant fish (pike and stone) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	34
78	Microarray analysis of differential gene expression elicited in Trametes versicolor during interspecific mycelial interactions. Fungal Biology, 2010, 114, 646-660.	2.5	34
79	Toxicogenomic responses of Caenorhabditis elegans to pristine and transformed zinc oxide nanoparticles. Environmental Pollution, 2019, 247, 917-926.	7.5	34
80	Cloning and Sequencing of a Full-Length Sea Bream (Sparus aurata) Î²-Actin cDNA. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 117, 185-189.	1.6	33
81	Cathepsin D from the liver of the Antarctic icefish Chionodraco hamatus exhibits unusual activity and stability at high temperatures. BBA - Proteins and Proteomics, 1999, 1431, 64-73.	2.1	33
82	Cu and Cd Effects on the Earthworm Lumbricus rubellus in the Laboratory:â€‰ Multivariate Statistical Analysis of Relationships between Exposure, Biomarkers, and Ecologically Relevant Parameters. Environmental Science & Technology, 2005, 39, 1757-1763.	10.0	33
83	Naturally occurring and recombinant metallothioneins: Structure, immunoreactivity and metal-binding functions. International Journal of Biochemistry & Cell Biology, 1991, 23, 1-5.	0.5	32
84	The earthworm Expressed Sequence Tag projectThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 447-451.	1.2	32
85	Knock down of Caenorhabditis elegans cutc-1 Exacerbates the Sensitivity Toward High Levels of Copper. Toxicological Sciences, 2008, 106, 384-391.	3.1	32
86	Cellular and molecular aspects of metal sequestration and toxicity in earthworms. Invertebrate Reproduction and Development, 1999, 36, 17-24.	0.8	31
87	Toxicokinetic studies reveal variability in earthworm pollutant handling. Pedobiologia, 2011, 54, S217-S222.	1.2	31
88	Determination of the Cd/S Cluster Stoichiometry in Fucus vesiculosus Metallothionein. Chemical Research in Toxicology, 2006, 19, 365-375.	3.3	29
89	Microsatellite markers for the earthworm Lumbricus rubellus. Molecular Ecology Notes, 2006, 6, 325-327.	1.7	29
90	Genetic variation in populations of the earthworm, Lumbricus rubellus, across contaminated mine sites. BMC Genetics, 2017, 18, 97.	2.7	29

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91	EFSA Scientific Colloquium 24 â€“ 'omics in risk assessment: state of the art and next steps. EFSA Supporting Publications, 2018, 15, 1512E.	0.7	29
92	Earthworms Produce phytochelatins in Response to Arsenic. PLoS ONE, 2013, 8, e81271.	2.5	28
93	Protein kinase CK2 opens the gate for zinc signaling. Cell Cycle, 2012, 11, 1863-1864.	2.6	27
94	Dynamic transcriptomic profiles of zebrafish gills in response to zinc depletion. BMC Genomics, 2010, 11, 548.	2.8	26
95	Application of physiologically based modelling and transcriptomics to probe the systems toxicology of aldicarb for Caenorhabditis elegans (Maupas 1900). Ecotoxicology, 2011, 20, 397-408.	2.4	26
96	Paramyxeanâ€“microsporidian co-infection in amphipods: Is the consensus that Microsporidia can feminise their hosts presumptive?. International Journal for Parasitology, 2012, 42, 683-691.	3.1	26
97	Isolation, characterization and molecular cloning of cathepsin D from lizard ovary: Changes in enzyme activity and mRNA expression throughout ovarian cycle. Molecular Reproduction and Development, 1999, 52, 126-134.	2.0	25
98	Development of a novel ozone- and photo-stable HyPer5 red fluorescent dye for array CGH and microarray gene expression analysis with consistent performance irrespective of environmental conditions. BMC Biotechnology, 2008, 8, 86.	3.3	25
99	Metal bioaccumulation and cellular fractionation in an epigeic earthworm (Lumbricus rubellus): The interactive influences of population exposure histories, site-specific geochemistry and mitochondrial genotype. Soil Biology and Biochemistry, 2010, 42, 1566-1573.	8.8	25
100	Molecular cloning and sequence determination of a novel aspartic proteinase from Antarctic fish. BBA - Proteins and Proteomics, 1998, 1387, 457-461.	2.1	24
101	Life-history effects of arsenic toxicity in clades of the earthworm Lumbricus rubellus. Environmental Pollution, 2013, 172, 200-207.	7.5	24
102	The Effects of In Vivo Exposure to Copper Oxide Nanoparticles on the Gut Microbiome, Host Immunity, and Susceptibility to a Bacterial Infection in Earthworms. Nanomaterials, 2020, 10, 1337.	4.1	24
103	Vitellogenin is not an appropriate biomarker of feminisation in a Crustacean. Aquatic Toxicology, 2014, 153, 89-97.	4.0	23
104	Crustacean Intersexuality Is Feminization without Demasculinization: Implications for Environmental Toxicology. Environmental Science & Technology, 2014, 48, 13520-13529.	10.0	22
105	The earthworm Expressed Sequence Tag project. Pedobiologia, 2003, 47, 447-451.	1.2	21
106	Standard Annotation of Environmental OMICS Data: Application to the Transcriptomics Domain. OMICS A Journal of Integrative Biology, 2006, 10, 172-178.	2.0	21
107	Cloning and sequencing of a full length cDNA encoding ovine lipoprotein lipase. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1172, 167-170.	2.4	20
108	Metabolites and metals in Metazoa â€“ what role do phytochelatins play in animals?. Metallomics, 2014, 6, 1576-1582.	2.4	19

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109	Structural and Functional Analysis of the Rainbow Trout (Oncorhyncus mykiss) Metallothionein-A Gene. FEBS Journal, 1995, 230, 344-349.	0.2	18
110	Metallothionein induction in rainbow trout gonadal (RTG-2) cells during free radical exposure. Marine Environmental Research, 1996, 42, 33-36.	2.5	18
111	Tissue-specific regulation of metallothionein and metallothionein mRNA accumulation in the Antarctic notothenioid, Notothenia coriiceps. Polar Biology, 2000, 23, 17-23.	1.2	17
112	Microsporidia infections in the amphipod, Echinogammarus marinus (Leach): suggestions of varying causal mechanisms to intersexuality. Marine Biology, 2011, 158, 461-470.	1.5	17
113	Auxin involvement in tepal senescence and abscission in Lilium: a tale of two lilies. Journal of Experimental Botany, 2015, 66, 945-956.	4.8	17
114	Probing the immune responses to nanoparticles across environmental species. A perspective of the EU Horizon 2020 project PANDORA. Environmental Science: Nano, 2020, 7, 3216-3232.	4.3	17
115	The earthworm microbiome is resilient to exposure to biocidal metal nanoparticles. Environmental Pollution, 2020, 267, 115633.	7.5	17
116	Cuâ€“Cd interactions in earthworms maintained in laboratory microcosms: the examination of a putative copper paradox. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1998, 120, 217-223.	0.5	16
117	Living on a volcanoâ€™s edge: genetic isolation of an extremophile terrestrial metazoan. Heredity, 2014, 112, 132-142.	2.6	16
118	Sub-lethal cadmium exposure increases phytochelatin concentrations in the aquatic snail Lymnaea stagnalis. Science of the Total Environment, 2016, 568, 1054-1058.	8.0	16
119	The worm has turned: Behavioural drivers of reproductive isolation between cryptic lineages. Soil Biology and Biochemistry, 2016, 98, 11-17.	8.8	16
120	Induction of expression of a 14-3-3 gene in response to copper exposure in the marine alga, Fucus vesiculosus. Ecotoxicology, 2012, 21, 124-138.	2.4	15
121	Ecological drivers influence the distributions of two cryptic lineages in an earthworm morphospecies. Applied Soil Ecology, 2016, 108, 8-15.	4.3	15
122	A large set of microsatellites for the highly invasive earthworm Amynthas corticis predicted from low coverage genomes. Applied Soil Ecology, 2017, 119, 152-155.	4.3	15
123	Cloning and sequencing a novel metallothionein I isoform expressed in human reticulocytes. FEBS Letters, 1996, 389, 210-212.	2.8	14
124	Characterisation and quantification of earthworm cyclophilins: identification of invariant and heavy metal responsive isoforms. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1489, 467-473.	2.4	13
125	Earthworm pre-procarboxypeptidase: a copper responsive enzyme. BioMetals, 2001, 14, 85-94.	4.1	13
126	Identifying biochemical phenotypic differences between cryptic species. Biology Letters, 2014, 10, 20140615.	2.3	13

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127	Uptake epithelia behave in a cell-centric and not systems homeostatic manner in response to zinc depletion and supplementation. Metallomics, 2014, 6, 154-165.	2.4	13
128	Impacts of a newly identified behaviour-altering trematode on its host amphipod: from the level of gene expression to population. Parasitology, 2015, 142, 1469-1480.	1.5	13
129	Structural and functional analysis of the rat metallothionein III genomic locus. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1445, 321-329.	2.4	12
130	Information sharing and group efficacy influences on communication and decision quality. Asia Pacific Journal of Management, 2011, 28, 509-528.	4.5	12
131	Chemicals with increasingly complex modes of action result in greater variation in sensitivity between earthworm species. Environmental Pollution, 2021, 272, 115914.	7.5	12
132	Bacterial Alginases. Antibiotics and Chemotherapy, 1989, 42, 67-71.	0.5	11
133	Î²-Ketoacyl-acyl carrier protein synthaseÂIII from pea (Pisum sativum L.): properties, inhibition by a novel thiolactomycin analogue and isolation of a cDNA clone encoding the enzyme. Planta, 2003, 216, 752-761.	3.2	11
134	The Regulation of Copper Stress Response Genes in the Polychaete Nereis diversicolor during prolonged Extreme Copper Contamination. Environmental Science & Technology, 2014, 48, 13085-13092.	10.0	11
135	Pesticides in a case study on no-tillage farming systems and surrounding forest patches in Brazil. Scientific Reports, 2021, 11, 9839.	3.3	11
136	Metallobiological Necklaces: Mass Spectrometric and Molecular Modeling Study of Metallation in Concatenated Domains of Metallothionein. Chemistry - A European Journal, 2008, 14, 7579-7593.	3.3	9
137	Current research in soil invertebrate ecotoxicogenomics. Advances in Experimental Biology, 2008, 2, 133-326.	0.1	9
138	Intersexuality in crustaceans: Genetic, individual and population level effects. Marine Environmental Research, 2008, 66, 146-148.	2.5	9
139	A Widespread and Distinctive Form of Amphipod Intersexuality Not Induced by Known Feminising Parasites. Sexual Development, 2012, 6, 320-324.	2.0	9
140	Pb and Zn imaging and in situ speciation at the geogenic/biogenic interface in sentinel earthworms using electron microprobe and synchrotron micro-focus X-ray spectroscopy. Environmental Pollution, 2013, 173, 68-74.	7.5	9
141	In Situ Metal Imaging and Zn Ligand-Speciation in a Soil-Dwelling Sentinel: Complementary Electron Microprobe and Synchrotron Microbeam X-ray Analyses. Environmental Science & Technology, 2013, 47, 1073-1081.	10.0	9
142	Off-Target Stoichiometric Binding Identified from Toxicogenomics Explains Why Some Species Are More Sensitive than Others to a Widely Used Neonicotinoid. Environmental Science & Technology, 2021, 55, 3059-3069.	10.0	9
143	Quantitative measurement of fathead minnow vitellogenin mRNA using hybridization protection assays. Environmental Toxicology and Chemistry, 2003, 22, 992-995.	4.3	8
144	The Epigenetic Algorithm. , 2008, , .		8

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145	First known satellite collaring of a viverrid species: preliminary performance and implications of GPS tracking Malay civets (Viverra tangalunga). Ecological Research, 2016, 31, 475-481.	1.5	8
146	Anthropogenic disturbance and environmental factors drive the diversity and distribution of earthworms in SÃ£o Miguel Island (Azores, Portugal). Applied Soil Ecology, 2020, 145, 103301.	4.3	7
147	A â€œDirtyâ€•Footprint: Macroinvertebrate diversity in Amazonian Anthropic Soils. Global Change Biology, 2021, 27, 4575-4591.	9.5	7
148	The complete mitochondrial DNA sequence of the pantropical earthworm Pontoscolex corethrurus (Rhinodrilidae, Clitellata): Mitogenome characterization and phylogenetic positioning. ZooKeys, 2017, 688, 1-13.	1.1	7
149	METALLOTHIONEIN AND HEAVY METAL POISONING. Biochemical Society Transactions, 1994, 22, 249S-249S.	3.4	6
150	The bottomâ€“up approach to defining life: deciphering the functional organization of biological cells via multi-objective representation of biological complexity from molecules to cells. Frontiers in Physiology, 2013, 4, 369.	2.8	6
151	Intracellular localization and induction of a dynamic <scp>RNA</scp>â€editing event of macroâ€algal <scp>Vâ€ATP</scp>ase subunit <scp>A</scp> (<scp>VHAâ€A</scp>) in response to copper. Plant, Cell and Environment, 2014, 37, 189-203.	5.7	6
152	Cadmium delays growth hormone expression during rainbow trout development. Journal of Fish Biology, 2001, 59, 1015-1022.	1.6	5
153	Space-use patterns of Malay civets (Viverra tangalunga) persisting within a landscape fragmented by oil palm plantations. Landscape Ecology, 2021, 36, 915-930.	4.2	4
154	The functional ghost in the genome machine: Holistic mapping of environmentally induced changes in the epigenome of a soil sentinel. Toxicology Letters, 2014, 229, S18.	0.8	3
155	â€˜Venus trapped, Mars transits': Cu and Fe redox chemistry, cellular topography and in situ ligand binding in terrestrial isopod hepatopancreas. Open Biology, 2016, 6, 150270.	3.6	3
156	Unravelling the molecular mechanisms of nickel in woodlice.. Environmental Research, 2019, 176, 108507.	7.5	3
157	Toxicogenomics in a soil sentinel exposure to Zn nanoparticles and ions reveals the comparative role of toxicokinetic and toxicodynamic mechanisms. Environmental Science: Nano, 2020, 7, 1464-1480.	4.3	3
158	Identifying conserved polychaete molecular markers of metal exposure: Comparative analyses using the Alitta virens (Annelida, Lophotrochozoa) transcriptome. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 240, 108913.	2.6	3
159	Accumulation of untranslated metallothionein mRNA in antarctic hemoglobinless fish (icefish). , 1999, , 167-172.		3
160	The price of persistence: Assessing the drivers and health implications of metal levels in indicator carnivores inhabiting an agriculturally fragmented landscape. Environmental Research, 2022, 207, 112216.	7.5	3
161	Physiological implications of life at the forest interface of oil palm agriculture: blood profiles of wild Malay civets (Viverra tangalunga). , 2020, 8, coaa127.		3
162	Impacts of Life-Time Exposure of Arsenic, Cadmium and Fluoranthene on the Earthwormsâ€™ L. rubellus Global DNA Methylation as Detected by msAFLP. Genes, 2022, 13, 770.	2.4	3

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163	Molecular biology and environmental induction of piscine metallothionein. Marine Environmental Research, 1995, 39, 107-110.	2.5	2
164	Micronutrient availability in amazonian dark earths and adjacent soils. Geoderma, 2021, 395, 115072.	5.1	2
165	Metallothionein in Antarctic Fish. , 1998, , 151-161.		2
166	Study of wheat transformed with sense and anti-sense lipase genes. Biochemical Society Transactions, 2002, 30, A120-A120.	3.4	1
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