

Guilherme Lotufo

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,398
citations

304368

22
h-index

360668

35
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65
all docs

65
docs citations

65
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Activated Carbon in Thin Sand Caps Challenged with Ongoing PCB Inputs from Sediment Deposition: PCB Uptake in Clams (<i>Mercenaria mercenaria</i>) and Passive Samplers. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 82, 95-104.	2.1	2
2	Interlaboratory Comparison of Three Sediment Bioaccumulation Tests. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1260-1275.	2.2	1
3	Passive-Sampler-Based Bioavailability Assessment of PCB Congeners Associated with Aroclor-Containing Paint Chips in the Presence of Sediment. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 82, 105-118.	2.1	0
4	Acute Toxicity of Eight Aqueous Film-Forming Foams to 14 Aquatic Species. <i>Environmental Science & Technology</i> , 2022, 56, 6078-6090.	4.6	10
5	Interlaboratory Study of Polyethylene and Polydimethylsiloxane Polymeric Samplers for <i>Ex Situ</i> Measurement of Freely Dissolved Hydrophobic Organic Compounds in Sediment Porewater. <i>Environmental Toxicology and Chemistry</i> , 2022, , .	2.2	2
6	Genomic investigations of acute munitions exposures on the health and skin microbiome composition of leopard frog (<i>Rana pipiens</i>) tadpoles. <i>Environmental Research</i> , 2021, 192, 110245.	3.7	8
7	Multi-species Aquatic Toxicity Assessment of 1-Methyl-3-Nitroguanidine (MeNQ). <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 426-436.	2.1	2
8	Streamlining Freshwater Bioaccumulation Bioassays: Letting the Worms Do the Hard Work. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1673-1677.	2.2	1
9	Accumulation of Insensitive Munition Compounds in the Earthworm <i>Eisenia andrei</i> from Amended Soil: Methodological Considerations for Determination of Bioaccumulation Factors. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1713-1725.	2.2	2
10	Mode of action evaluation for reduced reproduction in <i>Daphnia pulex</i> exposed to the insensitive munition, 1-methyl-3-nitro-1-nitroguanidine (MeNQ). <i>Ecotoxicology</i> , 2021, 30, 1203-1215.	1.1	4
11	Environmental Characterization of Underwater Munitions Constituents at a Former Military Training Range. <i>Environmental Toxicology and Chemistry</i> , 2021, , .	2.2	3
12	Leaching Rate of Polychlorinated Biphenyls (PCBs) from Marine Paint Chips. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 324-334.	2.1	5
13	Evaluation of dredged sediment for aquatic placement: interpreting contaminant bioaccumulation. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 277.	1.3	2
14	Comparative Toxicological Evaluation of UV-Degraded versus Parent Insensitive Munition Compound 1-Methyl-3-Nitroguanidine in Fathead Minnow. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 612-622.	2.2	7
15	Release of Munitions Constituents in Aquatic Environments Under Realistic Scenarios and Validation of Polar Organic Chemical Integrative Samplers for Monitoring. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2383-2391.	2.2	8
16	Bioaccumulation in Functionally Different Species: Ongoing Input of PCBs with Sediment Deposition to Activated Carbon Remediated Bed Sediments. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2326-2336.	2.2	14
17	Molecular Evaluation of Impacted Reproductive Physiology in Fathead Minnow Testes Provides Mechanistic Insights into Insensitive Munitions Toxicology. <i>Aquatic Toxicology</i> , 2019, 213, 105204.	1.9	3
18	Can Tenax Extraction Be Used as a Surrogate Exposure Metric for Laboratory-Based Bioaccumulation Tests Using Marine Sediments?. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1188-1197.	2.2	5

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19	Investigation of polar organic chemical integrative sampler (POCIS) flow rate dependence for munition constituents in underwater environments. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 171.	1.3	7
20	Field validation of POCIS for monitoring at underwater munitions sites. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2257-2267.	2.2	20
21	Transcriptomics provides mechanistic indicators of mixture toxicology for IMX-101 and IMX-104 formulations in fathead minnows (<i>Pimephales promelas</i>). <i>Aquatic Toxicology</i> , 2018, 199, 138-151.	1.9	17
22	Subchronic, chronic, lethal and sublethal toxicity of insensitive munitions mixture formulations relative to individual constituents in <i>Hyalella azteca</i> . <i>Chemosphere</i> , 2018, 210, 795-804.	4.2	15
23	Toxicity and Bioaccumulation of Munitions Constituents in Aquatic and Terrestrial Organisms. Challenges and Advances in Computational Chemistry and Physics, 2017, , 445-479.	0.6	3
24	Cross Validation of Two Partitioning-Based Sampling Approaches in Mesocosms Containing PCB Contaminated Field Sediment, Biota, and Activated Carbon Amendment. <i>Environmental Science & Technology</i> , 2017, 51, 9996-10004.	4.6	19
25	Accumulation of 2,4-dinitroanisole in the earthworm <i>Eisenia fetida</i> from chemically spiked and aged natural soils. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1835-1842.	2.2	5
26	Accumulation and depuration of trinitrotoluene and related extractable and nonextractable (bound) residues in marine fish and mussels. <i>Environmental Pollution</i> , 2016, 210, 129-136.	3.7	23
27	Effects of sediment amended with Deepwater Horizon incident slick oil on the infaunal amphipod <i>Leptocheirus plumulosus</i> . <i>Marine Pollution Bulletin</i> , 2016, 109, 253-258.	2.3	18
28	Optimization and Field Demonstration of a Passive Sampling Technology for Monitoring Conventional Munition Constituents in Aquatic Environments. <i>Marine Technology Society Journal</i> , 2016, 50, 23-32.	0.3	16
29	Application of POCIS for exposure assessment of munitions constituents during constant and fluctuating exposure. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 959-967.	2.2	22
30	Bioaccumulation kinetics of the conventional energetics TNT and RDX relative to insensitive munitions constituents DNAN and NTO in <i>Rana pipiens</i> tadpoles. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 880-886.	2.2	11
31	Toxicity of the conventional energetics TNT and RDX relative to new insensitive munitions constituents DNAN and NTO in <i>Rana pipiens</i> tadpoles. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 873-879.	2.2	34
32	Coral-zooxanthellae meta-transcriptomics reveals integrated response to pollutant stress. <i>BMC Genomics</i> , 2014, 15, 591.	1.2	27
33	Assessing Biological Effects. SERDP and ESTCP Remediation Technology Monograph Series, 2014, , 131-175.	0.3	3
34	A sediment ecotoxicity assessment platform for in situ measures of chemistry, bioaccumulation and toxicity. Part 2: Integrated application to a shallow estuary. <i>Environmental Pollution</i> , 2012, 162, 457-465.	3.7	24
35	A sediment ecotoxicity assessment platform for in situ measures of chemistry, bioaccumulation and toxicity. Part 1: System description and proof of concept. <i>Environmental Pollution</i> , 2012, 162, 449-456.	3.7	24
36	Comparing laboratory and field measured biota sediment accumulation factors. <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 32-41.	1.6	31

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37	Whole-body and body-part-specific bioconcentration of explosive compounds in sheepshead minnows. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 301-306.	2.9	11
38	Genomic investigation of year-long and multigenerational exposures of fathead minnow to the munitions compound RDX. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1852-1864.	2.2	11
39	Fate and effects of Composition B in multispecies marine exposures. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1330-1337.	2.2	17
40	Toxicity and bioconcentration evaluation of RDX and HMX using sheepshead minnows in water exposures. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1653-1657.	2.9	18
41	Toxicity of trinitrotoluene to sheepshead minnows in water exposures. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 718-726.	2.9	20
42	Toxicity and bioaccumulation of TNT in marine fish in sediment exposures. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1720-1727.	2.9	21
43	Bioconcentration, Bioaccumulation, and Biotransformation of Explosives and Related Compounds in Aquatic Organisms. , 2009, , 135-155.		8
44	Toxicity of explosive compounds to the marine mussel, <i>Mytilus galloprovincialis</i> , in aqueous exposures. <i>Ecotoxicology and Environmental Safety</i> , 2007, 68, 228-236.	2.9	41
45	Bioaccumulation of explosive compounds in the marine mussel, <i>Mytilus galloprovincialis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2007, 68, 237-245.	2.9	30
46	TOXICITY AND BIOACCUMULATION OF 2,4,6-TRINITROTOLUENE IN FATHEAD MINNOW (PIMEPHALES) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	24
47	ACCUMULATION OF HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE IN CHANNEL CATFISH (ICTALURUS) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Chemistry, 2005, 24, 1962.	2.2	25
48	TOXICITY AND FATE OF TWO MUNITIONS CONSTITUENTS IN SPIKED SEDIMENT EXPOSURES WITH THE MARINE AMPHIPOD <i>EOHAUSTORIUS ESTUARIUS</i> . <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2887.	2.2	35
49	Comparative and Mixture Sediment Toxicity of Trinitrotoluene and Its Major Transformation Products to a Freshwater Midge. <i>Archives of Environmental Contamination and Toxicology</i> , 2005, 49, 333-342.	2.1	15
50	Accumulation of trinitrotoluene (TNT) in aquatic organisms: Part 2 – Bioconcentration in aquatic invertebrates and potential for trophic transfer to channel catfish (<i>Ictalurus punctatus</i>). <i>Chemosphere</i> , 2005, 58, 1161-1168.	4.2	57
51	Accumulation of trinitrotoluene (TNT) in aquatic organisms: Part 1 – Bioconcentration and distribution in channel catfish (<i>Ictalurus punctatus</i>). <i>Chemosphere</i> , 2005, 58, 1153-1159.	4.2	77
52	RECOMMENDATIONS FOR THE ASSESSMENT OF TNT TOXICITY IN SEDIMENT. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 141.	2.2	41
53	Toxicity of the explosives 2,4,6-trinitrotoluene, hexahydro-1,3,5-trinitro-1,3,5-triazine, and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine in sediments to <i>Chironomus tentans</i> and <i>Hyaella azteca</i> : Low-dose hormesis and high-dose mortality. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1475-1482.	2.2	80
54	TOXICITY OF THE EXPLOSIVES 2,4,6-TRINITROTOLUENE, HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE, AND OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE IN SEDIMENTS TO CHIRONOMUS TENTANS AND HYALELLA AZTECA: LOW-DOSE HORMESIS AND HIGH-DOSE MORTALITY. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1475.	2.2	46

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55	Toxicity and bioaccumulation of ddt in freshwater amphipods in exposures to spiked sediments. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 810-825.	2.2	36
56	Toxicity of sediment-associated nitroaromatic and cyclonitramine compounds to benthic invertebrates. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1762-1771.	2.2	72
57	Comparative toxicity and toxicokinetics of ddt and its major metabolites in freshwater amphipods. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 368-379.	2.2	73
58	Bioaccumulation of sediment-associated fluoranthene in benthic copepods: uptake, elimination and biotransformation. <i>Aquatic Toxicology</i> , 1998, 44, 1-15.	1.9	72
59	Toxicity of sediment-associated PAHs to an estuarine copepod: Effects on survival, feeding, reproduction and behavior. <i>Marine Environmental Research</i> , 1997, 44, 149-166.	1.1	64
60	Effects of sediment-associated phenanthrene on survival, development and reproduction of two species of meiobenthic copepods. <i>Marine Ecology - Progress Series</i> , 1997, 151, 91-102.	0.9	69