Koen Oorts

List of Publications by Year in descending order

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Version: 2024-02-01

39 papers	2,226 citations	279798 23 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	2434 citing authors

#	Article	IF	Citations
1	Toxicity of Trace Metals in Soil as Affected by Soil Type and Aging After Contamination: Using Calibrated Bioavailability Models to Set Ecological Soil Standards. Environmental Toxicology and Chemistry, 2009, 28, 1633-1642.	4.3	333
2	Phytoextraction of metals from soils: How far from practice?. Environmental Pollution, 2007, 150, 34-40.	7.5	190
3	Terrestrial Biotic Ligand Model. 2. Application to Ni and Cu Toxicities to Plants, Invertebrates, and Microbes in Soil. Environmental Science & Technology, 2006, 40, 7094-7100.	10.0	164
4	GEMAS: Establishing geochemical background and threshold for 53 chemical elements in European agricultural soil. Applied Geochemistry, 2018, 88, 302-318.	3.0	143
5	SOIL PROPERTIES AFFECTING THE TOXICITY OF CuCl2 AND NiCl2 FOR SOIL MICROBIAL PROCESSES IN FRESHLY SPIKED SOILS. Environmental Toxicology and Chemistry, 2006, 25, 836.	4.3	124
6	Solubility and Toxicity of Antimony Trioxide (Sb₂O₃) in Soil. Environmental Science & Technology, 2008, 42, 4378-4383.	10.0	118
7	Copper toxicity in soils under established vineyards in Europe: A survey. Science of the Total Environment, 2013, 443, 470-477.	8.0	114
8	Near-zero-waste processing of low-grade, complex primary ores and secondary raw materials in Europe: technology development trends. Resources, Conservation and Recycling, 2020, 160, 104919.	10.8	114
9	Cation exchange capacities of soil organic matter fractions in a Ferric Lixisol with different organic matter inputs. Agriculture, Ecosystems and Environment, 2003, 100, 161-171.	5.3	100
10	Leaching and aging decrease nickel toxicity to soil microbial processes in soils freshly spiked with nickel chloride. Environmental Toxicology and Chemistry, 2007, 26, 1130-1138.	4.3	95
11	DISCREPANCY OF THE MICROBIAL RESPONSE TO ELEVATED COPPER BETWEEN FRESHLY SPIKED AND LONG-TERM CONTAMINATED SOILS. Environmental Toxicology and Chemistry, 2006, 25, 845.	4.3	91
12	Influence of soil properties on copper toxicity for two soil invertebrates. Environmental Toxicology and Chemistry, 2008, 27, 1748-1755.	4.3	74
13	GEMAS: Cadmium distribution and its sources in agricultural and grazing land soil of Europe â€" Original data versus clr-transformed data. Journal of Geochemical Exploration, 2017, 173, 13-30.	3.2	74
14	A framework for ecological risk assessment of metal mixtures in aquatic systems. Environmental Toxicology and Chemistry, 2018, 37, 623-642.	4.3	58
15	Aging of nickel added to soils as predicted by soil pH and time. Chemosphere, 2013, 92, 962-968.	8.2	49
16	Toxicity in lead salt spiked soils to plants, invertebrates and microbial processes: Unraveling effects of acidification, salt stress and ageing reactions. Science of the Total Environment, 2015, 536, 223-231.	8.0	43
17	The Availability of Copper in Soils Historically Amended with Sewage Sludge, Manure, and Compost. Journal of Environmental Quality, 2012, 41, 506-514.	2.0	38
18	Effect of long-term equilibration on the toxicity of molybdenum to soil organisms. Environmental Pollution, 2012, 162, 1-7.	7.5	37

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19	Modelling the effects of copper on soil organisms and processes using the free ion approach: Towards a multi-species toxicity model. Environmental Pollution, 2013, 178, 244-253.	7.5	34
20	Effects of Soil Properties on the Toxicity and Bioaccumulation of Lead in Soil Invertebrates. Environmental Toxicology and Chemistry, 2019, 38, 1486-1494.	4.3	34
21	Influence of soil properties on copper toxicity for two soil invertebrates. Environmental Toxicology and Chemistry, 2007, preprint, 1.	4.3	27
22	Use of GEMAS data for risk assessment of cadmium in European agricultural and grazing land soil under the REACH Regulation. Applied Geochemistry, 2016, 74, 109-121.	3.0	24
23	Deriving siteâ€specific soil cleanâ€up values for metals and metalloids: Rationale for including protection of soil microbial processes. Integrated Environmental Assessment and Management, 2014, 10, 388-400.	2.9	19
24	Ecological threshold concentrations for antimony in water and soil. Environmental Chemistry, 2009, 6, 116.	1.5	17
25	Bioavailability and Ecotoxicity of Lead in Soil: Implications for Setting Ecological Soil Quality Standards. Environmental Toxicology and Chemistry, 2021, 40, 1948-1961.	4.3	16
26	A New Method for the Simultaneous Measurement of pHâ€Dependent Cation Exchange Capacity and pH Buffering Capacity. Soil Science Society of America Journal, 2004, 68, 1578-1585.	2.2	13
27	Derivation of ecological standards for risk assessment of molybdate in soil. Environmental Chemistry, 2016, 13, 168.	1.5	11
28	The way forward for risk assessment of nanomaterials in solid media. Environmental Pollution, 2016, 218, 1363-1364.	7.5	9
29	Transformationâ€dissolution reactions partially explain adverse effects of metallic silver nanoparticles to soil nitrification in different soils. Environmental Toxicology and Chemistry, 2018, 37, 2123-2131.	4.3	8
30	Effects of Silver Nitrate are a Conservative Estimate for the Effects of Silver Nanoparticles on Algae Growth and Daphnia magna Reproduction. Environmental Toxicology and Chemistry, 2019, 38, 1701-1713.	4.3	6
31	Soil Organic Matter and Soil Fertility. SSSA Special Publication Series, 2001, , .	0.2	2
32	Mechanisms Underlying Toxicity of Complex Inorganic Materials. , 2018, , 27-54.		2
33	Deriving and using limit values for metals for ecological protection of soils: Challenges and solutions. Integrated Environmental Assessment and Management, 2017, 13, 1127-1128.	2.9	1
34	Environmental Toxicity Assessment of Complex Inorganic Materials. , 2018, , 97-125.		1
35	Risk Assessment of Exposure to Inorganic Substances of UVCBs (Unknown or Variable Composition,) Tj ETQq1 1 0.784314 rgBT /Ove 2018, , 191-205.		1
36	Validating the Use of a Toxicity Database for Prediction of Plant Cover and Biodiversity in Multiâ€Metal Miningâ€Impacted Soils. Environmental Toxicology and Chemistry, 2020, 39, 1826-1838.	4.3	1

#	Article	IF	Citations
37	Emerging Tools in the Assessment of Metals: Current Applicability. , 2018, , 245-269.		0
38	Main Characteristics of Relevance for the Assessment of Complex Inorganic Materials. , 2018, , 69-80.		0
39	Specific Methodologies/Tools to Support Assessment. , 2018, , 145-168.		0