

Sylvia G Sander

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,215
citations

471509

17
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal flux from hydrothermal vents increased by organic complexation. <i>Nature Geoscience</i> , 2011, 4, 145-150.	12.9	265
2	Acquisition of iron bound to strong organic complexes, with different Fe binding groups and photochemical reactivities, by plankton communities in Fe-limited subantarctic waters. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	130
3	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 393-405.	29.7	121
4	Investigation of Interparticle Forces in Natural Waters: Effects of Adsorbed Humic Acids on Iron Oxide and Alumina Surface Properties. <i>Environmental Science & Technology</i> , 2004, 38, 4791-4796.	10.0	75
5	Study of the Complexation, Adsorption and Electrode Reaction Mechanisms of Chromium(VI) and (III) with DTPA Under Adsorptive Stripping Voltammetric Conditions. <i>Electroanalysis</i> , 2003, 15, 1513-1521.	2.9	66
6	Iron stable isotopes track pelagic iron cycling during a subtropical phytoplankton bloom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E15-20.	7.1	63
7	Microbial control of diatom bloom dynamics in the open ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	61
8	Sustained Upwelling of Subsurface Iron Supplies Seasonally Persistent Phytoplankton Blooms Around the Southern Kerguelen Plateau, Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5986-6003.	2.6	40
9	Numerical Approach to Speciation and Estimation of Parameters Used in Modeling Trace Metal Bioavailability. <i>Environmental Science & Technology</i> , 2011, 45, 6388-6395.	10.0	38
10	Geochemical characterization of highly diverse hydrothermal fluids from volcanic vent systems of the Kermadec intraoceanic arc. <i>Chemical Geology</i> , 2019, 528, 119289.	3.3	38
11	Voltammetric Investigation of Hydrothermal Iron Speciation. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	34
12	Insights Into the Biogeochemical Cycling of Iron, Nitrate, and Phosphate Across a 5,300 km South Pacific Zonal Section (153°E–150°W). <i>Global Biogeochemical Cycles</i> , 2018, 32, 187-207.	4.9	31
13	Copper toxicity to blue mussel embryos (<i>Mytilus galloprovincialis</i>). <i>Science of the Total Environment</i> , 2019, 653, 300-314.	8.0	30
14	Copper ecotoxicology of marine algae: a methodological appraisal. <i>Chemistry and Ecology</i> , 2016, 32, 786-800.	1.6	26
15	New approach to analysis of voltammetric ligand titration data improves understanding of metal speciation in natural waters. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 450-465.	2.0	22
16	Amelioration of free copper by hydrothermal vent microbes as a response to high copper concentrations. <i>Chemistry and Ecology</i> , 2012, 28, 405-420.	1.6	19
17	Exposure to chronic and high dissolved copper concentrations impedes meiospore development of the kelps <i>Macrocystis pyrifera</i> and <i>Undaria pinnatifida</i> (Ochrophyta). <i>Phycologia</i> , 2016, 55, 12-20.	1.4	17
18	Specific Effect of Trace Metals on Marine Heterotrophic Microbial Activity and Diversity: Key Role of Iron and Zinc and Hydrocarbon-Degrading Bacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 3190.	3.5	15

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19	Parameters Governing the Community Structure and Element Turnover in Kermadec Volcanic Ash and Hydrothermal Fluids as Monitored by Inorganic Electron Donor Consumption, Autotrophic CO ₂ Fixation and 16S Tags of the Transcriptome in Incubation Experiments. <i>Frontiers in Microbiology</i> , 2019, 10, 2296.	3.5	14
20	Nonmonotonous Interfacial Behavior of Chloranilic Acid and Its Voltammetrically Active Complexes with V and Mo on Mercury Electrode. <i>Electroanalysis</i> , 2002, 14, 1105-1109.	2.9	13
21	Electrosorption of Chromium-diethylenetriaminepentaacetic Acid on Mercury Electrode under Voltammetric Conditions. <i>Electroanalysis</i> , 2002, 14, 1133-1137.	2.9	13
22	Fate of copper complexes in hydrothermally altered deep-sea sediments from the Central Indian Ocean Basin. <i>Environmental Pollution</i> , 2014, 194, 138-144.	7.5	13
23	Review of the Scientific and Institutional Capacity of Small Island Developing States in Support of a Bottom-up Approach to Achieve Sustainable Development Goal 14 Targets. <i>Oceans</i> , 2020, 1, 109-132.	1.3	12
24	Survey of legacy and emerging per- and polyfluorinated alkyl substances in Mediterranean seafood from a North African ecosystem. <i>Environmental Pollution</i> , 2022, 292, 118398.	7.5	11
25	Near-field hydrothermal plume dynamics at Brothers Volcano (Kermadec Arc): A short-lived radium isotope study. <i>Chemical Geology</i> , 2020, 533, 119379.	3.3	10
26	Submarine Hydrothermal Discharge and Fluxes of Dissolved Fe and Mn, and He Isotopes at Brothers Volcano Based on Radium Isotopes. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 969.	2.0	9
27	Aqueous copper bioavailability linked to shipwreck-contaminated reef sediments. <i>Scientific Reports</i> , 2019, 9, 9573.	3.3	8
28	Trace Metal Dynamics in Shallow Hydrothermal Plumes at the Kermadec Arc. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	8
29	Exploring mechanisms for spring bloom evolution: contrasting 2008 and 2012 blooms in the southwest Pacific Ocean. <i>Journal of Plankton Research</i> , 2019, 41, 329-348.	1.8	6
30	The Importance of Bottom-Up Approaches to International Cooperation in Ocean Science: The Iron Story. <i>Oceanography</i> , 2020, 33, 11-15.	1.0	4
31	Investigating the fate of copper in a laboratory-based toxicity test with embryos of <i>Mytilus galloprovincialis</i> : Copper mass balance of a closed bioassay. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 561-574.	4.3	3