

# Vera L Trainer

## List of Publications by Year in descending order

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58  
papers

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citations

126907

33  
h-index

138484

58  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5078  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Harmful algal blooms and climate change: Learning from the past and present to forecast the future. Harmful Algae, 2015, 49, 68-93.   | 4.8  | 555       |
| 2  | Harmful algal blooms and eutrophication: Examining linkages from selected coastal regions of the United States. Harmful Algae, 2008, 8, 39-53.  | 4.8  | 530       |
| 3  | Pseudo-nitzschia physiological ecology, phylogeny, toxicity, monitoring and impacts on ecosystem health. Harmful Algae, 2012, 14, 271-300.  | 4.8  | 429       |
| 4  | An unprecedented coastwide toxic algal bloom linked to anomalous ocean conditions. Geophysical Research Letters, 2016, 43, 10366-10376.   | 4.0  | 400       |
| 5  | Impacts of climate variability and future climate change on harmful algal blooms and human health. Environmental Health, 2008, 7, S4.   | 4.0  | 320       |
| 6  | Sodium channel mutation leading to saxitoxin resistance in clams increases risk of PSP. Nature, 2005, 434, 763-767.   | 27.8 | 271       |
| 7  | Harmful algal blooms along the North American west coast region: History, trends, causes, and impacts. Harmful Algae, 2012, 19, 133-159.  | 4.8  | 254       |
| 8  | Future HAB science: Directions and challenges in a changing climate. Harmful Algae, 2020, 91, 101632.   | 4.8  | 223       |
| 9  | Domoic acid: The synergy of iron, copper, and the toxicity of diatoms. Limnology and Oceanography, 2005, 50, 1908-1917.   | 3.1  | 165       |
| 10 | Pelagic harmful algal blooms and climate change: Lessons from nature's experiments with extremes. Harmful Algae, 2020, 91, 101591.  | 4.8  | 164       |
| 11 | Harmful Algal Blooms in Coastal Upwelling Systems. Oceanography, 2005, 18, 184-197.   | 1.0  | 142       |
| 12 | Climatic regulation of the neurotoxin domoic acid. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 239-244.   | 7.1  | 133       |
| 13 | Diarrhetic Shellfish Toxins and Other Lipophilic Toxins of Human Health Concern in Washington State. Marine Drugs, 2013, 11, 1815-1835.   | 4.6  | 132       |
| 14 | CRYPTIC AND PSEUDO-CRYPTIC DIVERSITY IN DIATOMS WITH DESCRIPTIONS OF <i>PSEUDO-NITZSCHIA HASLEANA</i> SP. NOV. AND <i>P. FRYXELLIANA</i> SP. NOV. Journal of Phycology, 2012, 48, 436-454.        | 2.3  | 120       |
| 15 | Iron enrichment stimulates toxic diatom production in high-nitrate, low-chlorophyll areas. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5887-5892. | 7.1  | 104       |
| 16 | Recent domoic acid closures of shellfish harvest areas in Washington State inland waterways. Harmful Algae, 2007, 6, 449-459.   | 4.8  | 101       |
| 17 | Recent trends in paralytic shellfish toxins in Puget Sound, relationships to climate, and capacity for prediction of toxic events. Harmful Algae, 2009, 8, 463-477.                               | 4.8  | 92        |
| 18 | Detection of the toxin domoic acid from clam extracts using a portable surface plasmon resonance biosensor. Harmful Algae, 2007, 6, 166-174.  | 4.8  | 89        |

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|----|--|-----|-----------|
| 19 | Variability of <i>Pseudo-nitzschia</i> and domoic acid in the Juan de Fuca eddy region and its adjacent shelves. <i>Limnology and Oceanography</i> , 2009, 54, 289-308.  | 3.1 | 76        |
| 20 | An ecological study of a massive bloom of toxigenic <i>Pseudo-nitzschia cuspidata</i> off the Washington State coast. <i>Limnology and Oceanography</i> , 2009, 54, 1461-1474.   | 3.1 | 67        |
| 21 | Dissolved saxitoxin causes transient inhibition of sensorimotor function in larval Pacific herring ( <i>Clupea harengus pallasii</i> ). <i>Marine Biology</i> , 2005, 147, 1393-1402.                                      | 1.5 | 58        |
| 22 | Monitoring Approaches for Early Warning of Domoic Acid Events in Washington State. <i>Oceanography</i> , 2005, 18, 228-237.  | 1.0 | 58        |
| 23 | MASS SEXUAL REPRODUCTION IN THE TOXIGENIC DIATOMS <i>PSEUDO-NITZSCHIA AUSTRALIS</i> AND <i>P. PUNGENS</i> (BACILLARIOPHYCEAE) ON THE WASHINGTON COAST, USA1. <i>Journal of Phycology</i> , 2010, 46, 41-52.                | 2.3 | 56        |
| 24 | The association between razor clam consumption and memory in the CoASTAL cohort. <i>Harmful Algae</i> , 2016, 57, 20-25.   | 4.8 | 52        |
| 25 | Environmental dynamics of red <i>Noctiluca scintillans</i> bloom in tropical coastal waters. <i>Marine Pollution Bulletin</i> , 2016, 111, 277-286.  | 5.0 | 52        |
| 26 | Centers for Oceans and Human Health: a unified approach to the challenge of harmful algal blooms. <i>Environmental Health</i> , 2008, 7, S2.   | 4.0 | 50        |
| 27 | Identification of <i>Azadinium</i> species and a new azaspiracid from <i>Azadinium poporum</i> in Puget Sound, Washington State, USA. <i>Harmful Algae</i> , 2017, 68, 152-167.  | 4.8 | 50        |
| 28 | Algicidal and growth-inhibiting bacteria associated with seagrass and macroalgae beds in Puget Sound, WA, USA. <i>Harmful Algae</i> , 2017, 62, 136-147.   | 4.8 | 48        |
| 29 | Characterization of oceanic <i>Noctiluca</i> blooms not associated with hypoxia in the Northeastern Arabian Sea. <i>Harmful Algae</i> , 2018, 74, 46-57.   | 4.8 | 43        |
| 30 | Environmental influences on the seasonal distribution of <i>Vibrio parahaemolyticus</i> in the Pacific Northwest of the USA. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv121.  | 2.7 | 42        |
| 31 | Rapid Enzyme-linked Immunosorbent Assay for Detection of the Algal Toxin Domoic Acid. <i>Journal of Shellfish Research</i> , 2008, 27, 1301-1310.  | 0.9 | 39        |
| 32 | The relative influences of El Niño-Southern Oscillation and Pacific Decadal Oscillation on paralytic shellfish toxin accumulation in northwest Pacific shellfish. <i>Limnology and Oceanography</i> , 2010, 55, 2262-2274. | 3.1 | 39        |
| 33 | In Situ Strain-Level Detection and Identification of <i>Vibrio parahaemolyticus</i> Using Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 2630-2637.  | 6.5 | 38        |
| 34 | Effects of temperature and salinity on the growth of <i>Alexandrium</i> (Dinophyceae) isolates from the Salish Sea. <i>Journal of Phycology</i> , 2016, 52, 230-238.   | 2.3 | 34        |
| 35 | Integrated Ocean Observing System in Support of Forecasting Harmful Algal Blooms. <i>Marine Technology Society Journal</i> , 2010, 44, 99-121.   | 0.4 | 28        |
| 36 | A springtime source of toxic <i>Pseudo-nitzschia</i> cells on razor clam beaches in the Pacific Northwest. <i>Harmful Algae</i> , 2013, 25, 1-14.  | 4.8 | 25        |

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|----|---|-----|-----------|
| 37 | Screening Tests for the Rapid Detection of Diarrhetic Shellfish Toxins in Washington State. <i>Marine Drugs</i> , 2013, 11, 3718-3734.  | 4.6 | 25        |
| 38 | Intrinsic growth and microzooplankton grazing on toxigenic <i>Pseudo-nitzschia</i> spp. diatoms from the coastal northeast Pacific. <i>Limnology and Oceanography</i> , 2008, 53, 1352-1368.                            | 3.1 | 24        |
| 39 | Case diagnosis and characterization of suspected paralytic shellfish poisoning in Alaska. <i>Harmful Algae</i> , 2016, 57, 45-50.   | 4.8 | 24        |
| 40 | GENETIC POPULATION STRUCTURE OF <i>PSEUDO-NITZSCHIA PUNGENS</i> (BACILLARIOPHYCEAE) FROM THE PACIFIC NORTHWEST AND THE NORTH SEA. <i>Journal of Phycology</i> , 2009, 45, 1037-1045.                                    | 2.3 | 23        |
| 41 | Characterization of Intracellular and Extracellular Saxitoxin Levels in Both Field and Cultured <i>Alexandrium</i> spp. Samples from Sequim Bay, Washington. <i>Marine Drugs</i> , 2008, 6, 103-116.                    | 4.6 | 21        |
| 42 | GlobalHAB: A New Program to Promote International Research, Observations, and Modeling of Harmful Algal Blooms in Aquatic Systems. <i>Oceanography</i> , 2017, 30, 70-81.   | 1.0 | 21        |
| 43 | Cooperation of Science and Management for Harmful Algal Blooms: Domoic Acid and the Washington Coast Razor Clam Fishery. <i>Coastal Management</i> , 2012, 40, 33-54.   | 2.0 | 20        |
| 44 | Dynamics of seagrass bed microbial communities in artificial <i>Chattonella</i> blooms: A laboratory microcosm study. <i>Harmful Algae</i> , 2019, 84, 139-150.   | 4.8 | 17        |
| 45 | Enhancing Shellfish Safety in Alaska through Monitoring of Harmful Algae and Their Toxins. <i>Journal of Shellfish Research</i> , 2014, 33, 531-539.  | 0.9 | 16        |
| 46 | Perception of risk for domoic acid related health problems: A cross-cultural study. <i>Harmful Algae</i> , 2016, 57, 39-44.   | 4.8 | 16        |
| 47 | The successional formation and release of domoic acid in a <i>Pseudo-nitzschia</i> bloom in the Juan de Fuca Eddy: A drifter study. <i>Harmful Algae</i> , 2018, 79, 105-114.   | 4.8 | 14        |
| 48 | Remote sampling of harmful algal blooms: A case study on the Washington State coast. <i>Harmful Algae</i> , 2012, 19, 39-45.  | 4.8 | 12        |
| 49 | Better Regional Ocean Observing Through Cross-National Cooperation: A Case Study From the Northeast Pacific. <i>Frontiers in Marine Science</i> , 2019, 6, .  | 2.5 | 12        |
| 50 | The effects of salinity on the cellular permeability and cytotoxicity of <i>Heterosigma akashiwo</i> . <i>Journal of Phycology</i> , 2016, 52, 745-760.   | 2.3 | 11        |
| 51 | Temporal and spatial distribution of <i>Azadinium</i> species in the inland and coastal waters of the Pacific northwest in 2014–2018. <i>Harmful Algae</i> , 2020, 98, 101874.  | 4.8 | 9         |
| 52 | Diarrhetic Shellfish Toxins in Primorsky Krai, Russia. <i>Journal of Shellfish Research</i> , 2015, 34, 1151-1160.  | 0.9 | 8         |
| 53 | GlobalHAB: Fostering International Coordination on Harmful Algal Bloom Research in Aquatic Systems. <i>Ecological Studies</i> , 2018, , 425-447.  | 1.2 | 7         |
| 54 | The effect of temperature and salinity on growth rate and azaspiracid cell quotas in two strains of <i>Azadinium poporum</i> (Dinophyceae) from Puget Sound, Washington State. <i>Harmful Algae</i> , 2019, 89, 101665. | 4.8 | 7         |

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|----|---|-----|-----------|
| 55 | Assessment of sodium channel mutations in Makah tribal members of the U.S. Pacific Northwest as a potential mechanism of resistance to paralytic shellfish poisoning. Harmful Algae, 2016, 57, 26-34. | 4.8 | 6         |
| 56 | Improving landings forecasts using environmental covariates: A case study on the Indian oil sardine ( <i>Sardinella longiceps</i> ). Fisheries Oceanography, 2021, 30, 623-642.                       | 1.7 | 5         |
| 57 | Microsatellite Markers for Population Genetic Applications in the Domoic Acid-producing Diatom <i>Pseudo-nitzschia australis</i> Frenguelli (Bacillariophyceae). Protist, 2017, 168, 197-205.         | 1.5 | 3         |
| 58 | Development of coastal upwelling edge detection algorithms associated with harmful algal blooms off the Washington coast using sea surface temperature imagery. , 2005, , .                           |     | 2         |