Anne E Thessen

List of Publications by Year
in descending order

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Version: 2024-02-01

44 papers	2,247 citations	430754 18 h-index	360920 35 g-index
53 all docs	53 docs citations	53 times ranked	4058 citing authors

#	Article	IF	Citations
1	Pseudo-nitzschia physiological ecology, phylogeny, toxicity, monitoring and impacts on ecosystem health. Harmful Algae, 2012, 14, 271-300.	2.2	429
2	Synthesis of primary production in the Arctic Ocean: III. Nitrate and phosphate based estimates of net community production. Progress in Oceanography, 2013, 110, 126-150.	1.5	199
3	Finding Our Way through Phenotypes. PLoS Biology, 2015, 13, e1002033.	2.6	178
4	The Monarch Initiative in 2019: an integrative data and analytic platform connecting phenotypes to genotypes across species. Nucleic Acids Research, 2020, 48, D704-D715.	6.5	178
5	Adoption of Machine Learning Techniques in Ecology and Earth Science. One Ecosystem, 0, 1, e8621.	0.0	120
6	EFFECT OF SALINITY ONPSEUDO-NITZSCHIASPECIES (BACILLARIOPHYCEAE) GROWTH AND DISTRIBUTION. Journal of Phycology, 2005, 41, 21-29.	1.0	108
7	Intra- and interspecies differences in growth and toxicity of Pseudo-nitzschia while using different nitrogen sources. Harmful Algae, 2009, 8, 792-810.	2.2	106
8	The user's view on biodiversity data sharing â€" Investigating facts of acceptance and requirements to realize a sustainable use of research data â€". Ecological Informatics, 2012, 11, 25-33.	2.3	95
9	Data issues in the life sciences. ZooKeys, 2011, 150, 15-51.	0.5	88
10	Effect of salinity on the distribution, growth, and toxicity of Karenia spp.. Harmful Algae, 2006, 5, 199-212.	2.2	76
11	The influence of droplet size and biodegradation on the transport of subsurface oil droplets during the Deepwater Horizon spill: a model sensitivity study. Environmental Research Letters, 2015, 10, 024016.	2.2	72
12	Applications of Natural Language Processing in Biodiversity Science. Advances in Bioinformatics, 2012, 2012, 1-17.	5.7	68
13	The Taxonomic Significance of Species That Have Only Been Observed Once: The Genus Gymnodinium (Dinoflagellata) as an Example. PLoS ONE, 2012, 7, e44015.	1.1	43
14	Distribution, Abundance and Domoic Acid Analysis of the Toxic Diatom Genus Pseudo-nitzschia from the Chesapeake Bay. Estuaries and Coasts, 2008, 31, 664-672.	1.0	42
15	Challenges with using names to link digital biodiversity information. Biodiversity Data Journal, 2016, 4, e8080.	0.4	42
16	Biolink Model: A universal schema for knowledge graphs in clinical, biomedical, and translational science. Clinical and Translational Science, 2022, 15, 1848-1855.	1.5	38
17	â€œWindows of opportunityâ€•for dinoflagellate blooms: Reduced microzooplankton net growth coupled to eutrophication. Harmful Algae, 2008, 8, 158-166.	2.2	30
18	Semantic Web and Big Data meets Applied Ontology. Applied Ontology, 2014, 9, 155-170.	1.0	28

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19	A Simple Standard for Sharing Ontological Mappings (SSSOM). Database: the Journal of Biological Databases and Curation, 2022, 2022, .	1.4	23
20	Meeting Report: BioSharing at ISMB 2010. Standards in Genomic Sciences, 2010, 3, 254-258.	1.5	19
21	Knowledge Extraction and Semantic Annotation of Text from the Encyclopedia of Life. PLoS ONE, 2014, 9, e89550.	1.1	19
22	People are essential to linking biodiversity data. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	19
23	Progress toward a universal biomedical data translator. Clinical and Translational Science, 2022, 15, 1838-1847.	1.5	17
24	The landscape of nutri-informatics: a review of current resources and challenges for integrative nutrition research. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	1.4	15
25	Emerging semantics to link phenotype and environment. PeerJ, 2015, 3, e1470.	0.9	15
26	Calculating in situ degradation rates of hydrocarbon compounds in deep waters of the Gulf of Mexico. Marine Pollution Bulletin, 2017, 122, 77-84.	2.3	14
27	Transforming the study of organisms: Phenomic data models and knowledge bases. PLoS Computational Biology, 2020, 16, e1008376.	1.5	12
28	Transcriptomics and microbial eukaryote diversity: a way forward. Trends in Ecology and Evolution, 2012, 27, 651-652.	4.2	11
29	Data Conservancy Provenance, Context, and Lineage Services: Key Components for Data Preservation and Curation. Data Science Journal, 2013, 12, 158-171.	0.6	11
30	A statistical assessment of population trends for data deficient Mexican amphibians. PeerJ, 2014, 2, e703.	0.9	8
31	From Reductionism to Reintegration: Solving societyâ€™s most pressing problems requires building bridges between data types across the life sciences. PLoS Biology, 2021, 19, e3001129.	2.6	6
32	A novel curation system to facilitate data integration across regional citizen science survey programs. PeerJ, 2020, 8, e9219.	0.9	6
33	Lessons learned while building the Deepwater Horizon Database: Toward improved data sharing in coastal science. Computers and Geosciences, 2016, 87, 84-90.	2.0	5
34	A new paradigm for the scientific enterprise: nurturing the ecosystem. F1000Research, 2018, 7, 803.	0.8	4
35	Automated Trait Extraction using ClearEarth, a Natural Language Processing System for Text Mining in Natural Sciences. Biodiversity Information Science and Standards, 0, 2, e26080.	0.0	4
36	Implementation of Zebrafish Ontologies for Toxicology Screening. Frontiers in Toxicology, 2022, 4, 817999.	1.6	4

#	Article	IF	Citations
37	Geoinformatics: Toward an integrative view of Earth as a system. , 2013, , .		3
38	Data Infrastructures for Estuarine and Coastal Ecological Syntheses. Estuaries and Coasts, 2016, 39, 295-310.	1.0	2
39	Biodiversity Informatics. , 2018, , 375-399.		2
40	Ecosystems Monitoring: An Information Extraction and Event Processing Scientific Workflow. , 2010, , .		1
41	Synthesizer: Expediting synthesis studies from context-free data with information retrieval techniques. PLoS ONE, 2017, 12, e0175860.	1.1	0
42	Building Your Own Big Data Analysis Infrastructure for Biodiversity Science. Biodiversity Information Science and Standards, 0, 1, e20161.	0.0	0
43	Semantic Interoperability Solutions for the Essential Variables: Focus on biodiversity. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
44	A Proposed Metadata Standard for Recording and Sharing Attribution Information in Biodiversity. Biodiversity Information Science and Standards, 0, 3, .	0.0	0