Peter A Fox

List of Publications by Year
in descending order

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Version: 2024-02-01

50 papers	1,467 citations	430874 18 h-index	330143 37 g-index
59 all docs	59 docs citations	59 times ranked	1799 citing authors

#	Article	IF	Citations
1	Global earth mineral inventory: A data legacy. Geoscience Data Journal, 2021, 8, 74-89.	4.4	21
2	Electronic Geophysical Year. Encyclopedia of Earth Sciences Series, 2021, , 359-361.	0.1	0
3	The Deep-Time Digital Earth program: data-driven discovery in geosciences. National Science Review, 2021, 8, nwab027.	9.5	55
4	Thank You to Our 2020 Reviewers. Earth and Space Science, 2021, 8, e2021EA001735.	2.6	0
5	MINERAL NETWORK ANALYSIS: EXPLORING GEOLOGICAL, GEOCHEMICAL, AND BIOLOGICAL PATTERNS IN MINERALIZATION VIA MULTIDIMENSIONAL ANALYSIS. , 2021, , .		2
6	Reproducible Workflow. Encyclopedia of Earth Sciences Series, 2021, , 1-5.	0.1	2
7	Thank You to Our 2019 Reviewers. Earth and Space Science, 2020, 7, e2020EA001195.	2.6	0
8	Exploring Carbon Mineral Systems: Recent Advances in C Mineral Evolution, Mineral Ecology, and Network Analysis. Frontiers in Earth Science, 2020, 8, .	1.8	29
9	Data-Driven Discovery in Mineralogy: Recent Advances in Data Resources, Analysis, and Visualization. Engineering, 2019, 5, 397-405.	6.7	47
10	Ediacaran biozones identified with network analysis provide evidence for pulsed extinctions of early complex life. Nature Communications, 2019, 10, 911.	12.8	74
11	Electronic Geophysical Year. Encyclopedia of Earth Sciences Series, 2019, , 1-3.	0.1	0
12	Quantifying ecological impacts of mass extinctions with network analysis of fossil communities. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5217-5222.	7.1	81
13	Analysis and visualization of vanadium mineral diversity and distribution. American Mineralogist, 2018, 103, 1080-1086.	1.9	28
14	Ontology Usability Scale: Context-aware Metrics for the Effectiveness, Efficiency and Satisfaction of Ontology Uses. Data Science Journal, 2018, 17, .	1.3	8
15	Network analysis of mineralogical systems. American Mineralogist, 2017, 102, 1588-1596.	1.9	63
16	Using Visual Exploratory Data Analysis to Facilitate Collaboration and Hypothesis Generation in Cross-Disciplinary Research. ISPRS International Journal of Geo-Information, 2017, 6, 368.	2.9	27
17	Weaving a Knowledge Network for Deep Carbon Science. Frontiers in Earth Science, 2017, 5, .	1.8	7
18	Enhancing the impact of science data toward data discovery and reuse. , 2015, , .		1

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19	Why we need to get smart about data to be better stewards: Making smarter virtual observatories. , 2015, , .		1
20	Formalizing the semantics of sea ice. Earth Science Informatics, 2015, 8, 51-62.	3.2	7
21	Semantic e-Science. Earth Science Informatics, 2015, 8, 1-3.	3.2	7
22	eScience and Informatics for international science programs. Progress in Earth and Planetary Science, 2015, 2, .	3.0	4
23	Ontology engineering in provenance enablement for the National Climate Assessment. Environmental Modelling and Software, 2014, 61, 191-205.	4.5	31
24	The Science of Data Science. Big Data, 2014, 2, 68-70.	3.4	26
25	Ontology dynamics in a data life cycle: Challenges and recommendations from a Geoscience Perspective. Journal of Earth Science (Wuhan, China), 2014, 25, 407-412.	3.2	26
26	Recent progress on geologic time ontologies and considerations for future works. Earth Science Informatics, 2013, 6, 31-46.	3.2	29
27	ICSU and the Challanges of Data and Information Management for International Science. Data Science Journal, 2013, 12, WDS1-WDS12.	1.3	3
28	S2S architecture and faceted browsing applications. , 2012, , .		3
29	From science to e-Science to Semantic e-Science: A Heliophysics case study. Computers and Geosciences, 2012, 46, 248-254.	4.2	10
30	The Climate-G testbed: towards large scale distributed data management for climate change. Procedia Computer Science, 2011, 4, 567-576.	2.0	0
31	Evolving a rapid prototyping environment for visually and analytically exploring large-scale Linked Open Data. , 2011, , .		2
32	Changing the Equation on Scientific Data Visualization. Science, 2011, 331, 705-708.	12.6	139
33	A quality screening service for remote sensing data. , 2010, , .		3
34	Advocating for the Use of Informatics in the Earth and Space Sciences. Eos, 2010, 91, 75-76.	0.1	10
35	System Transparency, or How I Learned to Worry about Meaning and Love Provenance!. Lecture Notes in Computer Science, 2010, , 165-173.	1.3	5
36	Geoinformatics: Transforming data to knowledge for geosciences. GSA Today, 2010, 20, 4-10.	2.0	411

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37	Ontology-supported scientific data frameworks: The Virtual Solar-Terrestrial Observatory experience. Computers and Geosciences, 2009, 35, 724-738.	4.2	50
38	Developing service-oriented applications in a grid environment. Earth Science Informatics, 2009, 2, 133-139.	3.2	2
39	Grid in earth sciences. Earth Science Informatics, 2009, 2, 1-3.	3.2	7
40	The Emerging Field of Semantic Scientific Knowledge Integration. IEEE Intelligent Systems, 2009, 24, 25-26.	4.0	13
41	A volcano erupts. , 2007, , .		8
42	The Electronic Geophysical Year (2007â€“2008):eScience for the 21st Century. The Leading Edge, 2007, 26, 1294-1295.	0.7	3
43	Toward broad community collaboration in geoinformatics. Eos, 2006, 87, 513.	0.1	2
44	Extreme solar cycle variability in strong lines between 200 and 400 NM. Space Science Reviews, 2000, 94, 67-74.	8.1	3
45	Data From the Precision Solar Photometric Telescope (Pspt) in Hawaii From March 1998 to March 1999. Space Science Reviews, 2000, 94, 75-82.	8.1	4
46	Joint Instability of Latitudinal Differential Rotation and Toroidal Magnetic Fields below the Solar Convection Zone. Astrophysical Journal, 1997, 484, 439-454.	4.5	157
47	Convection and Irradiance Variations. International Astronomical Union Colloquium, 1994, 143, 280-290.	0.1	2
48	Solar variability and climate. Climatic Change, 1994, 27, 249-257.	3.6	9
49	Convective flows around sunspot-like objects. Solar Physics, 1991, 135, 15-42.	2.5	21
50	Semantic cyberinfrastructure: The Virtual Solar-Terrestrial Observatory. , 0, , 21-36.		0