

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	Geoinformatics: Transforming data to knowledge for geosciences. <i>GSA Today</i> , 2010, 20, 4-10.	2.0	411
2	Joint Instability of Latitudinal Differential Rotation and Toroidal Magnetic Fields below the Solar Convection Zone. <i>Astrophysical Journal</i> , 1997, 484, 439-454.	4.5	157
3	Changing the Equation on Scientific Data Visualization. <i>Science</i> , 2011, 331, 705-708.	12.6	139
4	Quantifying ecological impacts of mass extinctions with network analysis of fossil communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5217-5222.	7.1	81
5	Ediacaran biozones identified with network analysis provide evidence for pulsed extinctions of early complex life. <i>Nature Communications</i> , 2019, 10, 911.	12.8	74
6	Network analysis of mineralogical systems. <i>American Mineralogist</i> , 2017, 102, 1588-1596.	1.9	63
7	The Deep-Time Digital Earth program: data-driven discovery in geosciences. <i>National Science Review</i> , 2021, 8, nwab027.	9.5	55
8	Ontology-supported scientific data frameworks: The Virtual Solar-Terrestrial Observatory experience. <i>Computers and Geosciences</i> , 2009, 35, 724-738.	4.2	50
9	Data-Driven Discovery in Mineralogy: Recent Advances in Data Resources, Analysis, and Visualization. <i>Engineering</i> , 2019, 5, 397-405.	6.7	47
10	Ontology engineering in provenance enablement for the National Climate Assessment. <i>Environmental Modelling and Software</i> , 2014, 61, 191-205.	4.5	31
11	Recent progress on geologic time ontologies and considerations for future works. <i>Earth Science Informatics</i> , 2013, 6, 31-46.	3.2	29
12	Exploring Carbon Mineral Systems: Recent Advances in C Mineral Evolution, Mineral Ecology, and Network Analysis. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	29
13	Analysis and visualization of vanadium mineral diversity and distribution. <i>American Mineralogist</i> , 2018, 103, 1080-1086.	1.9	28
14	Using Visual Exploratory Data Analysis to Facilitate Collaboration and Hypothesis Generation in Cross-Disciplinary Research. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 368.	2.9	27
15	The Science of Data Science. <i>Big Data</i> , 2014, 2, 68-70.	3.4	26
16	Ontology dynamics in a data life cycle: Challenges and recommendations from a Geoscience Perspective. <i>Journal of Earth Science (Wuhan, China)</i> , 2014, 25, 407-412.	3.2	26
17	Convective flows around sunspot-like objects. <i>Solar Physics</i> , 1991, 135, 15-42.	2.5	21
18	Global earth mineral inventory: A data legacy. <i>Geoscience Data Journal</i> , 2021, 8, 74-89.	4.4	21

#	ARTICLE	IF	CITATIONS
19	The Emerging Field of Semantic Scientific Knowledge Integration. IEEE Intelligent Systems, 2009, 24, 25-26.	4.0	13
20	Advocating for the Use of Informatics in the Earth and Space Sciences. Eos, 2010, 91, 75-76.	0.1	10
21	From science to e-Science to Semantic e-Science: A Heliophysics case study. Computers and Geosciences, 2012, 46, 248-254.	4.2	10
22	Solar variability and climate. Climatic Change, 1994, 27, 249-257.	3.6	9
23	A volcano erupts. , 2007, , .		8
24	Ontology Usability Scale: Context-aware Metrics for the Effectiveness, Efficiency and Satisfaction of Ontology Uses. Data Science Journal, 2018, 17, .	1.3	8
25	Grid in earth sciences. Earth Science Informatics, 2009, 2, 1-3.	3.2	7
26	Formalizing the semantics of sea ice. Earth Science Informatics, 2015, 8, 51-62.	3.2	7
27	Semantic e-Science. Earth Science Informatics, 2015, 8, 1-3.	3.2	7
28	Weaving a Knowledge Network for Deep Carbon Science. Frontiers in Earth Science, 2017, 5, .	1.8	7
29	System Transparency, or How I Learned to Worry about Meaning and Love Provenance!. Lecture Notes in Computer Science, 2010, , 165-173.	1.3	5
30	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
31	eScience and Informatics for international science programs. Progress in Earth and Planetary Science, 2015, 2, .	3.0	4
32	Extreme solar cycle variability in strong lines between 200 and 400 NM. Space Science Reviews, 2000, 94, 67-74.	8.1	3
33	The Electronic Geophysical Year (2007â€“2008):<i>e</i>Science for the 21st Century. The Leading Edge, 2007, 26, 1294-1295.	0.7	3
34	A quality screening service for remote sensing data. , 2010, , .		3
35	S2S architecture and faceted browsing applications. , 2012, , .		3
36	ICSU and the Challenges of Data and Information Management for International Science. Data Science Journal, 2013, 12, WDS1-WDS12.	1.3	3

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37	Convection and Irradiance Variations. International Astronomical Union Colloquium, 1994, 143, 280-290.	0.1	2
38	Toward broad community collaboration in geoinformatics. Eos, 2006, 87, 513.	0.1	2
39	Developing service-oriented applications in a grid environment. Earth Science Informatics, 2009, 2, 133-139.	3.2	2
40	Evolving a rapid prototyping environment for visually and analytically exploring large-scale Linked Open Data. , 2011, , .		2
41	MINERAL NETWORK ANALYSIS: EXPLORING GEOLOGICAL, GEOCHEMICAL, AND BIOLOGICAL PATTERNS IN MINERALIZATION VIA MULTIDIMENSIONAL ANALYSIS. , 2021, , .		2
42	Reproducible Workflow. Encyclopedia of Earth Sciences Series, 2021, , 1-5.	0.1	2
43	Enhancing the impact of science data toward data discovery and reuse. , 2015, , .		1
44	Why we need to get smart about data to be better stewards: Making smarter virtual observatories. , 2015, , .		1
45	Semantic cyberinfrastructure: The Virtual Solar-Terrestrial Observatory. , 0, , 21-36.		0
46	The Climate-G testbed: towards large scale distributed data management for climate change. Procedia Computer Science, 2011, 4, 567-576.	2.0	0
47	Thank You to Our 2019 Reviewers. Earth and Space Science, 2020, 7, e2020EA001195.	2.6	0
48	Electronic Geophysical Year. Encyclopedia of Earth Sciences Series, 2021, , 359-361.	0.1	0
49	Thank You to Our 2020 Reviewers. Earth and Space Science, 2021, 8, e2021EA001735.	2.6	0
50	Electronic Geophysical Year. Encyclopedia of Earth Sciences Series, 2019, , 1-3.	0.1	0