Erik Schultes

List of Publications by Year
in descending order

34 papers	13,233 citations	394421 19 h-index	414414 32 g-index
49 all docs	49 docs citations	49 times ranked	29990 citing authors

#	Article	IF	Citations
1	The FAIR Guiding Principles for scientific data management and stewardship. Scientific Data, 2016, 3, 160018.	5.3	8,670
2	A promoter-level mammalian expression atlas. Nature, 2014, 507, 462-470.	27.8	1,838
3	Gateways to the FANTOM5 promoter level mammalian expression atlas. Genome Biology, 2015, 16, 22.	8.8	687
4	One Sequence, Two Ribozymes: Implications for the Emergence of New Ribozyme Folds. Science, 2000, 289, 448-452.	12.6	340
5	Gene expression analysis identifies global gene dosage sensitivity in cancer. Nature Genetics, 2015, 47, 115-125.	21.4	313
6	Phage display screening without repetitious selection rounds. Analytical Biochemistry, 2012, 421, 622-631.	2.4	149
7	FAIR Principles: Interpretations and Implementation Considerations. Data Intelligence, 2020, 2, 10-29.	1.5	149
8	A design framework and exemplar metrics for FAIRness. Scientific Data, 2018, 5, 180118.	5.3	145
9	The value of data. Nature Genetics, 2011, 43, 281-283.	21.4	126
10	Estimating the Contributions of Selection and Self-Organization in RNA Secondary Structure. Journal of Molecular Evolution, 1999, 49, 76-83.	1.8	87
11	Evaluating FAIR maturity through a scalable, automated, community-governed framework. Scientific Data, 2019, 6, 174.	5.3	82
12	Compact and ordered collapse of randomly generated RNA sequences. Nature Structural and Molecular Biology, 2005, 12, 1130-1136.	8.2	72
13	An autonomously selfâ€assembling dendritic DNA nanostructure for target DNA detection. Biotechnology Journal, 2013, 8, 221-227.	3.5	64
14	Microattribution and nanopublication as means to incentivize the placement of human genome variation data into the public domain. Human Mutation, 2012, 33, 1503-1512.	2.5	59
15	A Generic Workflow for the Data FAIRification Process. Data Intelligence, 2020, 2, 56-65.	1.5	59
16	Interoperability and FAIRness through a novel combination of Web technologies. PeerJ Computer Science, 0, 3, e110.	4.5	58
17	Design of a FAIR digital data health infrastructure in Africa for COVIDâ€19 reporting and research. Genetics & Genomics Next, 2021, 2, e10050.	1.5	27
18	Protein Folding Absent Selection. Genes, 2011, 2, 608-626.	2.4	24

#	ARTICLE	IF	CITATIONS
19	Automated extraction of potential migraine biomarkers using a semantic graph. Journal of Biomedical Informatics, 2017, 71, 178-189.	4.3	24
20	The Implicitome: A Resource for Rationalizing Gene-Disease Associations. PLoS ONE, 2016, 11, e0149621.	2.5	22
21	FAIR Principles and Digital Objects: Accelerating Convergence on a Data Infrastructure. Communications in Computer and Information Science, 2019, , 3-16.	0.5	20
22	The FAIR Principles: First Generation Implementation Choices and Challenges. Data Intelligence, 2020, 2, 1-9.	1.5	19
23	Reusable FAIR Implementation Profiles as Accelerators of FAIR Convergence. Lecture Notes in Computer Science, 2020, , 138-147.	1.3	15
24	Theoretical and technological building blocks for an innovation accelerator. European Physical Journal: Special Topics, 2012, 214, 183-214.	2.6	12
25	Generic Information Can Retrieve Known Biological Associations: Implications for Biomedical Knowledge Discovery. PLoS ONE, 2013, 8, e78665.	2.5	10
26	FAIR Convergence Matrix: Optimizing the Reuse of Existing FAIR-Related Resources. Data Intelligence, 2020, 2, 158-170.	1.5	10
27	A parameterization of RNA sequence space. Complexity, 1999, 4, 61-71.	1.6	8
28	FAIR Digital Twins for Data-Intensive Research. Frontiers in Big Data, 2022, 5, .	2.9	8
29	An Academic Publishers' GO FAIR Implementation Network (APIN). Information Services and Use, 2021, 40, 333-341.	0.2	5
30	Preserving sequence annotations across reference sequences. Journal of Biomedical Semantics, 2014, 5, S6.	1.6	3
31	From FAIR Leading Practices to FAIR Implementation and Back: An Inclusive Approach to FAIR at Leiden University Libraries. Data Science Journal, 2020, 19, .	1.3	2
32	Community Detection in NK Landscapes - An Empirical Study of Complexity Transitions in Interactive Networks. Advances in Intelligent Systems and Computing, 2018, , 163-176.	0.6	0
33	Presidential Politics: Constrained by Complexity?. Science, 2000, 290, 933-933.	12.6	0
34	A putative role for genome-wide epigenetic regulatory mechanisms in Huntington's disease: A computational assessment. F1000Research, 0, 6, 1888.	1.6	0