Sabina Leonelli

List of Publications by Year
in descending order

90 papers	3,160 citations	182225 30 h-index	232693 48 g-index
101 all docs	101 docs citations	101 times ranked	2535 citing authors

#	Article	IF	Citations
1	Process epistemology in the COVID-19 era: rethinking the research process to avoid dangerous forms of reification. European Journal for Philosophy of Science, 2022, 12, 20.	0.6	5
2	Reframing the environment in data-intensive health sciences. Studies in History and Philosophy of Science Part A, 2022, 93, 203-214.	0.6	13
3	Open Science and Epistemic Diversity: Friends or Foes?. Philosophy of Science, 2022, 89, 991-1001.	0.5	9
4	Where health and environment meet: the use of invariant parameters in big data analysis. SynthÃˆse, 2021, 198, 2485-2504.	0.6	16
5	From FAIR data to fair data use: Methodological data fairness in health-related social media research. Big Data and Society, 2021, 8, 205395172110103.	2.6	21
6	Organisms in Experimental Research. Historiographies of Science, 2021, , 265-289.	0.2	1
7	Actionable data for precision oncology: Framing trustworthy evidence for exploratory research and clinical diagnostics. Social Science and Medicine, 2021, 272, 113760.	1.8	11
8	Mobilizing the Transnational History of Knowledge Flows. COVID-19 and the Politics of Research at the Borders. History and Technology, 2021, 37, 125-146.	0.3	6
9	The changing climates of global health. BMJ Global Health, 2021, 6, e005442.	2.0	16
10	Experimenting with co-development: A qualitative study of gene drive research for malaria control in Mali. Social Science and Medicine, 2021, 276, 113850.	1.8	8
11	Open science, data sharing and solidarity: who benefits?. History and Philosophy of the Life Sciences, 2021, 43, 115.	0.6	19
12	How to choose your research organism. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2020, 80, 101227.	0.8	39
13	The Ontologies Community of Practice: A CGIAR Initiative for Big Data in Agrifood Systems. Patterns, 2020, 1, 100105.	3.1	53
14	How to build an effective research network: lessons from two decades of the GARNet plant science community. Journal of Experimental Botany, 2020, 71, 6881-6889.	2.4	0
15	Learning from Data Journeys. , 2020, , 1-24.		15
16	From Dirty Data to Tidy Facts: Clustering Practices in Plant Phenomics and Business Cycle Analysis. , 2020, , 79-101.		7
17	Intellectual directions for History and Philosophy of the Life Sciences, 2019â€“2023. History and Philosophy of the Life Sciences, 2019, 41, 28.	0.6	1
18	Data â€” from objects to assets. Nature, 2019, 574, 317-320.	13.7	51

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19	What distinguishes data from models?. European Journal for Philosophy of Science, 2019, 9, 22.	0.6	32
20	The challenges of big data biology. ELife, 2019, 8, .	2.8	55
21	â€˜Extremeâ€™ organisms and the problem of generalization: interpreting the Krogh principle. History and Philosophy of the Life Sciences, 2018, 40, 65.	0.6	28
22	Rethinking Reproducibility as a Criterion for Research Quality. Research in the History of Economic Thought and Methodology, 2018, , 129-146.	0.1	53
23	Concealment and discovery: The role of information security in biomedical data re-use. Social Studies of Science, 2018, 48, 663-690.	1.5	13
24	Organisms in Experimental Research. Historiographies of Science, 2018, , 1-25.	0.2	2
25	The Time of Data: Timescales of Data Use in the Life Sciences. Philosophy of Science, 2018, 85, 741-754.	0.5	13
26	Assembling Biomedical Big Data. , 2018, , 317-337.		3
27	Introduction: Open Data and Africa. Data Science Journal, 2018, 17, .	0.6	2
28	Data Shadows. Science Technology and Human Values, 2017, 42, 191-202.	1.7	50
29	Beyond the digital divide: Towards a situated approach to open data. Science and Public Policy, 2017, 44, 464-475.	1.2	74
30	Data management and best practice for plant science. Nature Plants, 2017, 3, 17086.	4.7	38
31	How Does One â€œOpenâ€•Science? Questions of Value in Biological Research. Science Technology and Human Values, 2017, 42, 280-305.	1.7	70
32	â€˜$100 Is Not Much To Youâ€™: Open Science and neglected accessibilities for scientific research in Africa. Critical Public Health, 2017, 27, 39-49.	1.4	26
33	Managing the transition to open access publishing: a psychological perspective. Prometheus, 2017, 35, .	0.2	3
34	Global Data Quality Assessment and the Situated Nature of â€œBestâ€•Research Practices in Biology. Data Science Journal, 2017, 16, .	0.6	16
35	The disruptive potential of data publication. Notes and Records of the Royal Society, 2016, 70, 393-395.	0.1	8
36	Developing a Collaborative Agenda for Humanities and Social Scientific Research on Laboratory Animal Science and Welfare. PLoS ONE, 2016, 11, e0158791.	1.1	41

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37	How Do Scientists Define Openness? Exploring the Relationship Between Open Science Policies and Research Practice. Bulletin of Science, Technology and Society, 2016, 36, 128-141.	1.1	69
38	Open data: curation is under-resourced. Nature, 2016, 538, 41-41.	13.7	8
39	Repertoires: A post-Kuhnian perspective on scientific change and collaborative research. Studies in History and Philosophy of Science Part A, 2016, 60, 18-28.	0.6	93
40	Locating ethics in data science: responsibility and accountability in global and distributed knowledge production systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160122.	1.6	65
41	Sticks and carrots: encouraging open science at its source. Geo: Geography and Environment, 2015, 2, 12-16.	0.5	43
42	Repertoires: How to Transform a Project into a Research Community. BioScience, 2015, 65, 701-708.	2.2	32
43	What Counts as Scientific Data? A Relational Framework. Philosophy of Science, 2015, 82, 810-821.	0.5	107
44	Data Interpretation in the Digital Age. Perspectives on Science, 2014, 22, 397-417.	0.3	32
45	What difference does quantity make? On the epistemology of Big Data in biology. Big Data and Society, 2014, 1, 205395171453439.	2.6	168
46	Making Organisms Model Human Behavior: Situated Models in North-American Alcohol Research, since 1950. Science in Context, 2014, 27, 485-509.	0.1	38
47	Introduction: On the Philosophy of Science in Practice. Journal for General Philosophy of Science, 2013, 44, 259-261.	0.7	11
48	Integrating data to acquire new knowledge: Three modes of integration in plant science. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2013, 44, 503-514.	0.8	55
49	What makes a model organism?. Endeavour, 2013, 37, 209-212.	0.1	64
50	Classificatory Theory in Biology. Biological Theory, 2013, 7, 338-345.	0.8	16
51	Global data for local science: Assessing the scale of data infrastructures in biological and biomedical research. BioSocieties, 2013, 8, 449-465.	0.8	42
52	Bigger, faster, better? Rhetorics and practices of large-scale research in contemporary bioscience. BioSocieties, 2013, 8, 386-396.	0.8	32
53	Introduction: Biomedical Trans-Actions, Postgenomics, and Knowledge/Value. Public Culture, 2013, 25, 463-475.	0.2	52
54	Why the Current Insistence on Open Access to Scientific Data? Big Data, Knowledge Production, and the Political Economy of Contemporary Biology. Bulletin of Science, Technology and Society, 2013, 33, 6-11.	1.1	56

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55	Making open data work for plant scientists. Journal of Experimental Botany, 2013, 64, 4109-4117.	2.4	23
56	Data-Intensive Research. , 2013, , 545-548.		1
57	Founders Effect. , 2013, , 757-757.		0
58	Community Database. , 2013, , 445-445.		0
59	Bio-Ontologies. , 2013, , 142-145.		0
60	Curation. , 2013, , 509-509.		0
61	Model Organism. , 2013, , 1398-1401.		1
62	Stock Center. , 2013, , 2013-2013.		0
63	When humans are the exception: Cross-species databases at the interface of biological and clinical research. Social Studies of Science, 2012, 42, 214-236.	1.5	41
64	Introduction: Making sense of data-driven research in the biological and biomedical sciences. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2012, 43, 1-3.	0.8	86
65	Re-thinking organisms: The impact of databases on model organism biology. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2012, 43, 29-36.	0.8	139
66	Under one leaf: an historical perspective on the UK Plant Science Federation. New Phytologist, 2012, 195, 10-13.	3.5	4
67	Classificatory Theory in Data-intensive Science: The Case of Open Biomedical Ontologies. International Studies in the Philosophy of Science, 2012, 26, 47-65.	0.2	35
68	Whatâ€™s so special about model organisms?. Studies in History and Philosophy of Science Part A, 2011, 42, 313-323.	0.6	282
69	How the gene ontology evolves. BMC Bioinformatics, 2011, 12, 325.	1.2	32
70	The scientific importance of asking questions at meetings: Why virtual debate is not enough. BioEssays, 2011, 33, 35-37.	1.2	1
71	Bioethics Authorship in Context: How Trends in Biomedicine Challenge Bioethics. American Journal of Bioethics, 2011, 11, 22-24.	0.5	1
72	Sustainable digital infrastructure. EMBO Reports, 2010, 11, 730-734.	2.0	43

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73	Packaging Small Facts for Re-Use: Databases in Model Organism Biology. , 2010, , 325-348.		32
74	Machine Science: The Human Side. Science, 2010, 330, 317-317.	6.0	0
75	Documenting the emergence of bio-ontologies: or, why researching bioinformatics requires HPSSB. History and Philosophy of the Life Sciences, 2010, 32, 105-25.	0.6	28
76	On the Locality of Data and Claims about Phenomena. Philosophy of Science, 2009, 76, 737-749.	0.5	41
77	An HPSSB (history, philosophy and social science of biology) approach to biomedical ontologies. , 2009, , .		0
78	Performing abstraction: two ways of modelling Arabidopsis thaliana. Biology and Philosophy, 2008, 23, 509-528.	0.7	26
79	Bio-ontologies as Tools for Integration in Biology. Biological Theory, 2008, 3, 7-11.	0.8	27
80	Arabidopsis, the botanical Drosophila: from mouse cress to model organism. Endeavour, 2007, 31, 34-38.	0.1	30
81	Growing weed, producing knowledge: an epistemic history of Arabidopsis thaliana. History and Philosophy of the Life Sciences, 2007, 29, 193-223.	0.6	29
82	Symposium Issue: Philosophy of Biology in Flanders and The Netherlands. Acta Biotheoretica, 2005, 53, 55-56.	0.7	2
83	Infrared metaphysics: the elusive ontology of radiation. Part 1. Studies in History and Philosophy of Science Part A, 2005, 36, 477-508.	0.6	7
84	Infrared metaphysics: radiation and theory-choice. Part 2. Studies in History and Philosophy of Science Part A, 2005, 36, 687-706.	0.6	1
85	Understanding in Biology:. , 0, , 189-209.		19
86	Focusing on Scientific Understanding. , 0, , 1-18.		5
87	Data management challenges for artificial intelligence in plant and agricultural research. F1000Research, 0, 10, 324.	0.8	7
88	Data Science in Times of Pan(dem)ic. , 0, , .		13
89	Data Governance is Key to Interpretation: Reconceptualizing Data in Data Science. , 0, , .		19
90	Valuing Data in Postgenomic Biology. , 0, , 126-149.		15