

Jessica K Polka

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,354
citations

567281

15
h-index

501196

28
g-index

58
all docs

58
docs citations

58
times ranked

1609
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolving role of preprints in the dissemination of COVID-19 research and their impact on the science communication landscape. <i>PLoS Biology</i> , 2021, 19, e3000959.	5.6	256
2	Microtubule nucleating $\hat{1}^3$ -TuSC assembles structures with 13-fold microtubule-like symmetry. <i>Nature</i> , 2010, 466, 879-882.	27.8	231
3	Ten simple rules to consider regarding preprint submission. <i>PLoS Computational Biology</i> , 2017, 13, e1005473.	3.2	77
4	The Structure and Assembly Dynamics of Plasmid Actin AlfA Imply a Novel Mechanism of DNA Segregation. <i>Journal of Bacteriology</i> , 2009, 191, 6219-6230.	2.2	70
5	Shaping the Future of Research: a perspective from junior scientists. <i>F1000Research</i> , 2014, 3, 291.	1.6	64
6	Systematic examination of preprint platforms for use in the medical and biomedical sciences setting. <i>BMJ Open</i> , 2020, 10, e041849.	1.9	54
7	Tracking changes between preprint posting and journal publication during a pandemic. <i>PLoS Biology</i> , 2022, 20, e3001285.	5.6	49
8	Building Spatial Synthetic Biology with Compartments, Scaffolds, and Communities. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a024018.	5.5	46
9	Publish peer reviews. <i>Nature</i> , 2018, 560, 545-547.	27.8	46
10	Synthetic Lipid-Containing Scaffolds Enhance Production by Colocalizing Enzymes. <i>ACS Synthetic Biology</i> , 2016, 5, 1396-1403.	3.8	39
11	Technical and social issues influencing the adoption of preprints in the life sciences. <i>PLoS Genetics</i> , 2020, 16, e1008565.	3.5	38
12	A call for transparency in tracking student and postdoc career outcomes. <i>Molecular Biology of the Cell</i> , 2015, 26, 1413-1415.	2.1	33
13	Shaping the Future of Research: a perspective from junior scientists. <i>F1000Research</i> , 0, 3, 291.	1.6	33
14	Peer review and preprint policies are unclear at most major journals. <i>PLoS ONE</i> , 2020, 15, e0239518.	2.5	32
15	Accessory factors promote AlfA-dependent plasmid segregation by regulating filament nucleation, disassembly, and bundling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2176-2181.	7.1	28
16	Architecture and Assembly of a Divergent Member of the ParM Family of Bacterial Actin-like Proteins. <i>Journal of Biological Chemistry</i> , 2011, 286, 14282-14290.	3.4	25
17	A Tunable Protein Piston That Breaks Membranes to Release Encapsulated Cargo. <i>ACS Synthetic Biology</i> , 2016, 5, 303-311.	3.8	19
18	Biomedical Journals and Preprint Services: Friends or Foes?. <i>Clinical Chemistry</i> , 2017, 63, 453-458.	3.2	15

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19	Superresolution microscopy of the \hat{I}^2 -carboxysome reveals a homogeneous matrix. <i>Molecular Biology of the Cell</i> , 2017, 28, 2734-2745.	2.1	14
20	Bacterial Tubulins A and B Exhibit Polarized Growth, Mixed-Polarity Bundling, and Destabilization by GTP Hydrolysis. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	10
21	Making science a desirable career. <i>Science</i> , 2014, 346, 1422-1422.	12.6	9
22	Building synthetic cellular organization. <i>Molecular Biology of the Cell</i> , 2013, 24, 3585-3587.	2.1	7
23	Fellowships are the future. <i>Nature</i> , 2015, 528, 155-156.	27.8	7
24	Cryo-EM structure of the bacterial actin Alfa reveals unique assembly and ATP-binding interactions and the absence of a conserved subdomain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3356-3361.	7.1	7
25	Column: A wake-up call. <i>Nature</i> , 2014, 511, 256-256.	27.8	6
26	Induced sensitivity of <i>Bacillus subtilis</i> colony morphology to mechanical media compression. <i>PeerJ</i> , 2014, 2, e597.	2.0	5
27	Logistics of Organizing the FOR Symposium. <i>The Winnower</i> , 2014, , .	0.0	4
28	Promoting constructive feedback on preprints with the FAST principles. <i>ELife</i> , 2022, 11, .	6.0	4
29	Technical aspects of preprint services in the life sciences: a workshop report. <i>Research Ideas and Outcomes</i> , 0, 3, e11825.	1.0	3
30	An open letter to AAAS journal "Science": Postdocs need to address the "The Future of Research". <i>The Winnower</i> , 2014, , .	0.0	2
31	Charting the Dimensions of Preprint Policies. <i>Editorial Office News</i> , 2019, 12, 8-11.	0.0	0
32	Peer review and preprint policies are unclear at most major journals. , 2020, 15, e0239518.		0
33	Peer review and preprint policies are unclear at most major journals. , 2020, 15, e0239518.		0
34	Peer review and preprint policies are unclear at most major journals. , 2020, 15, e0239518.		0
35	Peer review and preprint policies are unclear at most major journals. , 2020, 15, e0239518.		0