Larry Smarr

List of Publications by Year
in descending order

44 papers	3,963 citations	186265 28 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	4687 citing authors

#	ARTICLE	IF	CITATIONS
1	Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. Inflammatory Bowel Diseases, 2021, 27, 603-616.	1.9	25
2	De Novo Peptide Sequencing Reveals Many Cyclopeptides in the Human Gut and Other Environments. Cell Systems, 2020, 10, 99-108.e5.	6.2	28
3	Optimizing sequencing protocols for leaderboard metagenomics by combining long and short reads. Genome Biology, 2019, 20, 226.	8.8	47
4	Evaluating Metagenomic Prediction of the Metaproteome in a 4.5-Year Study of a Patient with Crohn's Disease. MSystems, 2019, 4, .	3.8	40
5	Phylogenomics of 10,575 genomes reveals evolutionary proximity between domains Bacteria and Archaea. Nature Communications, 2019, 10, 5477.	12.8	197
6	Microbiome 101: Studying, Analyzing, and Interpreting Gut Microbiome Data for Clinicians. Clinical Gastroenterology and Hepatology, 2019, 17, 218-230.	4.4	187
7	Creating a 3D microbial and chemical snapshot of a human habitat. Scientific Reports, 2018, 8, 3669.	3.3	34
8	Metagenomics-Based, Strain-Level Analysis of Escherichia coli From a Time-Series of Microbiome Samples From a Crohn's Disease Patient. Frontiers in Microbiology, 2018, 9, 2559.	3.5	37
9	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	3.8	604
10	Escherichia coli B2 strains prevalent in inflammatory bowel disease patients have distinct metabolic capabilities that enable colonization of intestinal mucosa. BMC Systems Biology, 2018, 12, 66.	3.0	39
11	Are microbiome studies ready for hypothesis-driven research?. Current Opinion in Microbiology, 2018, 44, 61-69.	5.1	27
12	Bringing the Dynamic Microbiome to Life with Animations. Cell Host and Microbe, 2017, 21, 7-10.	11.0	95
13	Tracking Human Gut Microbiome Changes Resulting from a Colonoscopy. Methods of Information in Medicine, 2017, 56, 442-447.	1.2	6
14	Using machine learning to identify major shifts in human gut microbiome protein family abundance in disease. , 2016, , .		21
15	Toward More Transparent and Reproducible Omics Studies Through a Common Metadata Checklist and Data Publications. OMICS A Journal of Integrative Biology, 2014, 18, 10-14.	2.0	54
16	Large memory high performance computing enables comparison across human gut microbiome of patients with autoimmune diseases and healthy subjects. , 2013, , .		15
17	Toward More Transparent and Reproducible Omics Studies Through a Common Metadata Checklist and Data Publications. Big Data, 2013, 1, 196-201.	3.4	5
18	Quantifying your body: A howâ€to guide from a systems biology perspective. Biotechnology Journal, 2012, 7, 980-991.	3.5	69

#	Article	IF	Citations
19	The future of the CAVE. Open Engineering, 2011, 1, .	1.6	62
20	The StarCAVE, a third-generation CAVE and virtual reality OptIPortal. Future Generation Computer Systems, 2009, 25, 169-178.	7.5	148
21	Building an OptIPlanet collaboratory to support microbial metagenomics. Future Generation Computer Systems, 2009, 25, 124-131.	7.5	5
22	The OptIPortal, a scalable visualization, storage, and computing interface device for the OptiPuter. Future Generation Computer Systems, 2009, 25, 114-123.	7.5	60
23	Special section: OptIPlanet â€" The OptIPuter global collaboratory. Future Generation Computer Systems, 2009, 25, 109-113.	7.5	26
24	Riding the light towards new science. Nature Photonics, 2007, 1, 133-135.	31.4	9
25	CAMERA: A Community Resource for Metagenomics. PLoS Biology, 2007, 5, e75.	5.6	344
26	Special section: iGrid 2005: The Global Lambda Integrated Facility. Future Generation Computer Systems, 2006, 22, 849-851.	7.5	13
27	Head-on collision of two equal mass black holes. Physical Review D, 1995, 52, 2044-2058.	4.7	74
28	Dynamics of Apparent and Event Horizons. Physical Review Letters, 1995, 74, 630-633.	7.8	57
29	Dynamics of black hole apparent horizons. Physical Review D, 1994, 50, 3801-3815.	4.7	40
30	Numerically generated axisymmetric black hole spacetimes: Numerical methods and code tests. Physical Review D, 1994, 50, 5000-5024.	4.7	25
31	Initial data for the black hole plus Brill wave spacetime. Physical Review D, 1994, 50, 3760-3782.	4.7	27
32	Collision of two black holes. Physical Review Letters, 1993, 71, 2851-2854.	7.8	183
33	Numerically generated black-hole spacetimes: Interaction with gravitational waves. Physical Review D, 1992, 45, 3544-3558.	4.7	61
34	Shedding light on black holes. Future Generation Computer Systems, 1989, 5, 225-242.	7.5	1
35	Can the twin-exhaust model explain radio jets?. Nature, 1981, 293, 277-279.	27.8	15
36	General Relativistic Hydrodynamics: The Comoving, Eulerian, and Velocity Potential Formalisms. , 1980, , 157-183.		6

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37	Time functions in numerical relativity: Marginally bound dust collapse. Physical Review D, 1979, 19, 2239-2259.	4.7	410
38	Kinematical conditions in the construction of spacetime. Physical Review D, 1978, 17, 2529-2551.	4.7	281
39	Radiation gauge in general relativity. Physical Review D, 1978, 17, 1945-1956.	4.7	86
40	Gravitational radiation from distant encounters and from head-on collisions of black holes: The zero-frequency limit. Physical Review D, 1977, 15, 2069-2077.	4.7	76
41	SPACE-TIMES GENERATED BY COMPUTERS: BLACK HOLES WITH GRAVITATIONAL RADIATION. Annals of the New York Academy of Sciences, 1977, 302, 569-604.	3.8	74
42	Collision of two black holes: Theoretical framework. Physical Review D, 1976, 14, 2443-2452.	4.7	94
43	Surface Geometry of Charged Rotating Black Holes. Physical Review D, 1973, 7, 289-295.	4.7	123
44	Maximally Slicing a Black Hole. Physical Review D, 1973, 7, 2814-2817.	4.7	114