

Jonathan Miller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8229861/publications.pdf>

Version: 2024-02-01

41
papers

6,725
citations

361296

20
h-index

315616

38
g-index

45
all docs

45
docs citations

45
times ranked

8350
citing authors

#	ARTICLE	IF	CITATIONS
1	Squid adjust their body color according to substrate. <i>Scientific Reports</i> , 2022, 12, 5227.	1.6	6
2	A minimal model for household-based testing and tracing in epidemics. <i>Physical Biology</i> , 2021, 18, 045002.	0.8	3
3	Improving Keeping for Octopuses by Testing Different Escape-Proof Designs on Tanks for "Big Blue Octopus" (<i>Octopus cyanea</i>). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8547.	1.3	5
4	Epidemic dynamics in inhomogeneous populations and the role of superspreaders. <i>Physical Review Research</i> , 2021, 3, .	1.3	9
5	Primary orthologs from local sequence context. <i>BMC Bioinformatics</i> , 2020, 21, 48.	1.2	5
6	Experimental evidence that thermal selection shapes mitochondrial genome evolution. <i>Scientific Reports</i> , 2018, 8, 9500.	1.6	47
7	Rebuilding a realistic corticostriatal "social network" from dissociated cells. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 63.	1.2	6
8	EXHAUSTIVE COMPUTATION OF EXACT DUPLICATIONS VIA <i><i>SUPER</i></i> AND <i><i>NON-NESTED LOCAL</i></i> MAXIMAL REPEATS. <i>Journal of Bioinformatics and Computational Biology</i> , 2014, 12, 1350018.	0.3	6
9	Human"chimpanzee alignment: Ortholog exponentials and paralog power laws. <i>Computational Biology and Chemistry</i> , 2014, 53, 59-70.	1.1	9
10	Scale-free duplication dynamics: A model for ultraduplication. <i>Physical Review E</i> , 2011, 84, 061919.	0.8	9
11	Algebraic length distribution of sequence duplications in whole genomes. , 2011, , .		1
12	Algebraic Distribution of Segmental Duplication Lengths in Whole-Genome Sequence Self-Alignments. <i>PLoS ONE</i> , 2011, 6, e18464.	1.1	19
13	A small-molecule scaffold induces autophagy in primary neurons and protects against toxicity in a Huntington disease model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16982-16987.	3.3	247
14	Mouse let-7 miRNA populations exhibit RNA editing that is constrained in the 5'-seed/ cleavage/anchor regions and stabilize predicted mmu-let-7a:mRNA duplexes. <i>Genome Research</i> , 2008, 18, 1571-1581.	2.4	87
15	Novel MicroRNA Candidates and miRNA-mRNA Pairs in Embryonic Stem (ES) Cells. <i>PLoS ONE</i> , 2008, 3, e2548.	1.1	48
16	MicroRNA Target Detection and Analysis for Genes Related to Breast Cancer Using MDLcompress. <i>Eurasip Journal on Bioinformatics and Systems Biology</i> , 2007, 2007, 1-16.	1.4	22
17	Computational and transcriptional evidence for microRNAs in the honey bee genome. <i>Genome Biology</i> , 2007, 8, R97.	13.9	82
18	Vesicle-Like Biomechanics Governs Important Aspects of Nuclear Geometry in Fission Yeast. <i>PLoS ONE</i> , 2007, 2, e948.	1.1	39

#	ARTICLE	IF	CITATIONS
19	Insights into social insects from the genome of the honeybee <i>Apis mellifera</i> . <i>Nature</i> , 2006, 443, 931-949.	13.7	1,648
20	Rhox homeobox gene cluster: recent duplication of three family members. <i>Genesis</i> , 2006, 44, 122-129.	0.8	39
21	MicroRNA enrichment among short 'ultraconserved' sequences in insects. <i>Nucleic Acids Research</i> , 2006, 34, e65-e65.	6.5	15
22	Scale-invariant structure of strongly conserved sequence in genomic intersections and alignments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13121-13125.	3.3	21
23	A noncoding RNA is a potential marker of cell fate during mammary gland development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5781-5786.	3.3	169
24	Identifying proteins of high designability via surface-exposure patterns. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 47, 295-304.	1.5	14
25	The designability of protein structures. <i>Journal of Molecular Graphics and Modelling</i> , 2001, 19, 157-167.	1.3	56
26	Theory of the Self-Organized Critical State in Nonequilibrium ^4He . <i>Journal of Low Temperature Physics</i> , 2000, 119, 155-179.	0.6	13
27	Symmetry and designability for lattice protein models. <i>Journal of Chemical Physics</i> , 2000, 113, 8329-8336.	1.2	37
28	Trapped Second Sound Waves on a Nonequilibrium Superfluid-Normal Interface. <i>Physical Review Letters</i> , 1998, 80, 4923-4926.	2.9	8
29	The Tyrosine Photophysics of a Primase-Derived Peptide Are Sensitive to the Peptide's Zinc-Bound State: Proof That the Bacterial Primase Hypothetical Zinc Finger Sequence Binds Zinc. <i>Biochemistry</i> , 1997, 36, 544-553.	1.2	16
30	Passive Scalars, Random Flux, and Chiral Phase Fluids. <i>Physical Review Letters</i> , 1996, 76, 1461-1464.	2.9	66
31	"Granular" Convection in a Vibrated Fluid. <i>Physical Review Letters</i> , 1995, 75, 4154-4154.	2.9	2
32	Granular Convection in a Vibrated Fluid. <i>Physical Review Letters</i> , 1995, 74, 2216-2219.	2.9	53
33	Tunneling edges at strong disorder. <i>Physical Review B</i> , 1995, 52, R11634-R11637.	1.1	0
34	Zero-temperature critical behavior of the infinite-range quantum Ising spin glass. <i>Physical Review Letters</i> , 1993, 70, 3147-3150.	2.9	127
35	Macroscopic equilibrium from microscopic irreversibility in a chaotic coupled-map lattice. <i>Physical Review E</i> , 1993, 48, 2528-2535.	0.8	104
36	Statistical mechanics, Euler's equation, and Jupiter's Red Spot. <i>Physical Review A</i> , 1992, 45, 2328-2359.	1.0	197

#	ARTICLE	IF	CITATIONS
37	Statistical mechanics of Euler equations in two dimensions. Physical Review Letters, 1990, 65, 2137-2140.	2.9	364
38	A novel method for the purification of the Xenopus transcription factor IIIA. Nucleic Acids Research, 1989, 17, 9185-9192.	6.5	12
39	Repetitive Zn ²⁺ -binding domains in the protein transcription factor IIIA from Xenopus oocytes. Biochemical Society Transactions, 1986, 14, 221-221.	1.6	0
40	Repetitive zinc-binding domains in the protein transcription factor IIIA from Xenopus oocytes.. EMBO Journal, 1985, 4, 1609-1614.	3.5	2,243
41	Repetitive zinc-binding domains in the protein transcription factor IIIA from Xenopus oocytes. EMBO Journal, 1985, 4, 1609-14.	3.5	870