

James A Shapiro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

2,327
citations

20
h-index

48
g-index

49
ext. papers

2,635
ext. citations

5
avg, IF

5.84
L-index

#	Paper	IF	Citations
43	Thinking about bacterial populations as multicellular organisms. <i>Annual Review of Microbiology</i> , 1998 , 52, 81-104	17.5	669
42	Why repetitive DNA is essential to genome function. <i>Biological Reviews</i> , 2005 , 80, 227-50	13.5	190
41	Observations on the formation of clones containing araB-lacZ cistron fusions. <i>Molecular Genetics and Genomics</i> , 1984 , 194, 79-90		163
40	The significances of bacterial colony patterns. <i>BioEssays</i> , 1995 , 17, 597-607	4.1	151
39	The galactose operon of E. coli K-12. II. A deletion analysis of operon structure and polarity. <i>Genetics</i> , 1969 , 62, 249-64	4	133
38	The galactose operon of E. coli K-12. I. Structural and pleiotropic mutations of the operon. <i>Genetics</i> , 1969 , 62, 231-47	4	115
37	Revisiting the central dogma in the 21st century. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1178, 6-28	6.5	93
36	A 21st century view of evolution: genome system architecture, repetitive DNA, and natural genetic engineering. <i>Gene</i> , 2005 , 345, 91-100	3.8	85
35	How life changes itself: the Read-Write (RW) genome. <i>Physics of Life Reviews</i> , 2013 , 10, 287-323	2.1	67
34	Mobile DNA and evolution in the 21st century. <i>Mobile DNA</i> , 2010 , 1, 4	4.4	60
33	Genome system architecture and natural genetic engineering in evolution. <i>Annals of the New York Academy of Sciences</i> , 1999 , 870, 23-35	6.5	59
32	Starvation-induced Mucts62-mediated coding sequence fusion: a role for ClpXP, Lon, RpoS and Crp. <i>Molecular Microbiology</i> , 1999 , 32, 327-43	4.1	56
31	Transposable elements as the key to a 21st century view of evolution 1999 , 107, 171-179		56
30	Transposable genetic elements. <i>Scientific American</i> , 1980 , 242, 40-9	0.5	50
29	Adaptive mutation: who's really in the garden?. <i>Science</i> , 1995 , 268, 373-4	33.3	45
28	Living Organisms Author Their Read-Write Genomes in Evolution. <i>Biology</i> , 2017 , 6,	4.9	28
27	Genome organization and reorganization in evolution: formatting for computation and function. <i>Annals of the New York Academy of Sciences</i> , 2002 , 981, 111-34	6.5	28

26	Retrotransposons and regulatory suites. <i>BioEssays</i> , 2005 , 27, 122-5	4.1	24
25	Genome Informatics: The Role of DNA in Cellular Computations. <i>Biological Theory</i> , 2006 , 1, 288-301	1.7	23
24	Biological action in Read-Write genome evolution. <i>Interface Focus</i> , 2017 , 7, 20160115	3.9	21
23	No genome is an island: toward a 21st century agenda for evolution. <i>Annals of the New York Academy of Sciences</i> , 2019 , 1447, 21-52	6.5	20
22	Exploring the read-write genome: mobile DNA and mammalian adaptation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017 , 52, 1-17	8.7	20
21	Differential flu-lacZ fusion regulation linked to Escherichia coli colony development. <i>Molecular Microbiology</i> , 1999 , 33, 18-32	4.1	20
20	The basic concept of the read-write genome: Mini-review on cell-mediated DNA modification. <i>BioSystems</i> , 2016 , 140, 35-7	1.9	19
19	Different structures of selected and unselected araB-lacZ fusions. <i>Molecular Microbiology</i> , 1997 , 23, 1133-45	4.5	19
18	Repetitive DNA, genome system architecture and genome reorganization. <i>Research in Microbiology</i> , 2002 , 153, 447-53	4	18
17	Rethinking the (im)possible in evolution. <i>Progress in Biophysics and Molecular Biology</i> , 2013 , 111, 92-6	4.7	15
16	Nothing in Evolution Makes Sense Except in the Light of Genomics: Read-Write Genome Evolution as an Active Biological Process. <i>Biology</i> , 2016 , 5,	4.9	13
15	Epigenetic control of mobile DNA as an interface between experience and genome change. <i>Frontiers in Genetics</i> , 2014 , 5, 87	4.5	11
14	Letting Escherichia coli teach me about genome engineering. <i>Genetics</i> , 2009 , 183, 1205-14	4	11
13	The active role of spermatozoa in transgenerational inheritance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191263	4.4	9
12	Barbara McClintock, 1902-1992. <i>BioEssays</i> , 1992 , 14, 791-2	4.1	6
11	What can evolutionary biology learn from cancer biology?. <i>Progress in Biophysics and Molecular Biology</i> , 2021 , 165, 19-28	4.7	5
10	Constraint and opportunity in genome innovation. <i>RNA Biology</i> , 2014 , 11, 186-96	4.8	4
9	All living cells are cognitive. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 564, 134-149	3.4	4

8	Physiology of the read-write genome. <i>Journal of Physiology</i> , 2014 , 592, 2319-41	3.9	3
7	Thinking About Evolution in Terms of Cellular Computing. <i>Natural Computing</i> , 2005 , 4, 297-324	1.3	2
6	How Chaotic Is Genome Chaos?. <i>Cancers</i> , 2021 , 13,	6.6	2
5	Response to Denis Noble's Article "The Illusions of the Modern Synthesis," <i>Biosemiotics</i> . <i>Biosemiotics</i> , 2021 , 14, 73-78	1.1	1
4	What we have learned about evolutionary genome change in the past 7 decades.. <i>BioSystems</i> , 2022 , 104, 669	6.9	0
3	Implications of the Read-Write Genome view. <i>Physics of Life Reviews</i> , 2013 , 10, 347-50	2.1	
2	A Twenty-First Century View of Evolution: Genome System Architecture, Repetitive DNA, and Natural Genetic Engineering 2007 , 129-147		
1	How should we think about evolution in the age of genomics? 2021 , 1-44		