James A Shapiro

List of Publications by Year
in descending order

45 papers	2,965 citations	304368 22 h-index	276539 41 g-index
49 all docs	49 docs citations	49 times ranked	2371 citing authors

#	Article	IF	Citations
1	THINKING ABOUT BACTERIAL POPULATIONS AS MULTICELLULAR ORGANISMS. Annual Review of Microbiology, 1998, 52, 81-104.	2.9	775
2	Why repetitive DNA is essential to genome function. Biological Reviews, 2005, 80, 227-250.	4.7	253
3	Observations on the formation of clones containing araB-lacZ cistron fusions. Molecular Genetics and Genomics, 1984, 194, 79-90.	2.4	202
4	THE GALACTOSE OPERON OF <i>E. COLI</i> K-12. II. A DELETION ANALYSIS OF OPERON STRUCTURE AND POLARITY. Genetics, 1969, 62, 249-264.	1.2	169
5	The significances of bacterial colony patterns. BioEssays, 1995, 17, 597-607.	1.2	168
6	THE GALACTOSE OPERON OF <i>E. COLI</i> K-12. I. STRUCTURAL AND PLEIOTROPIC MUTATIONS OF THE OPERON. Genetics, 1969, 62, 231-247.	1.2	143
7	A 21st century view of evolution: genome system architecture, repetitive DNA, and natural genetic engineering. Gene, 2005, 345, 91-100.	1.0	139
8	Revisiting the Central Dogma in the 21st Century. Annals of the New York Academy of Sciences, 2009, 1178, 6-28.	1.8	121
9	How life changes itself: The Readâ€"Write (RW) genome. Physics of Life Reviews, 2013, 10, 287-323.	1.5	88
10	Mobile DNA and evolution in the 21st century. Mobile DNA, 2010, 1, 4.	1.3	70
11	Genome System Architecture and Natural Genetic Engineering in Evolution. Annals of the New York Academy of Sciences, 1999, 870, 23-35.	1.8	68
12	Genome Organization and Reorganization in Evolution. Annals of the New York Academy of Sciences, 2002, 981, 111-134.	1.8	65
13	Starvation-induced Mucts62-mediated coding sequence fusion: a role for ClpXP, Lon, RpoS and Crp. Molecular Microbiology, 1999, 32, 327-343.	1.2	62
14	Transposable elements as the key to a 21st century view of evolution. , 1999, 107, 171-179.		62
15	Transposable Genetic Elements. Scientific American, 1980, 242, 40-49.	1.0	60
16	Genome Informatics: The Role of DNA in Cellular Computations. Biological Theory, 2006, 1, 288-301.	0.8	58
17	Adaptive mutation: who's really in the garden?. Science, 1995, 268, 373-374.	6.0	54
18	Living Organisms Author Their Read-Write Genomes in Evolution. Biology, 2017, 6, 42.	1.3	44

#	Article	IF	Citations
19	The basic concept of the readâ€“write genome: Mini-review on cell-mediated DNA modification. BioSystems, 2016, 140, 35-37.	0.9	27
20	Retrotransposons and regulatory suites. BioEssays, 2005, 27, 122-125.	1.2	26
21	Biological action in Readâ€“Write genome evolution. Interface Focus, 2017, 7, 20160115.	1.5	26
22	All living cells are cognitive. Biochemical and Biophysical Research Communications, 2021, 564, 134-149.	1.0	25
23	Exploring the read-write genome: mobile DNA and mammalian adaptation. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 1-17.	2.3	24
24	No genome is an island: toward a 21st century agenda for evolution. Annals of the New York Academy of Sciences, 2019, 1447, 21-52.	1.8	24
25	Differential fiu-lacZ fusion regulation linked to Escherichia coli colony development. Molecular Microbiology, 1999, 33, 18-32.	1.2	23
26	Different structures of selected and unselected araBâ€“lacZ fusions. Molecular Microbiology, 1997, 23, 1133-1145.	1.2	21
27	Repetitive DNA, genome system architecture and genome reorganization. Research in Microbiology, 2002, 153, 447-453.	1.0	20
28	The active role of spermatozoa in transgenerational inheritance. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191263.	1.2	18
29	Rethinking the (im)possible in evolution. Progress in Biophysics and Molecular Biology, 2013, 111, 92-96.	1.4	17
30	Epigenetic control of mobile DNA as an interface between experience and genome change. Frontiers in Genetics, 2014, 5, 87.	1.1	17
31	Nothing in Evolution Makes Sense Except in the Light of Genomics: Readâ€“Write Genome Evolution as an Active Biological Process. Biology, 2016, 5, 27.	1.3	16
32	Letting<i>Escherichia coli</i>Teach Me About Genome Engineering. Genetics, 2009, 183, 1205-1214.	1.2	12
33	What can evolutionary biology learn from cancer biology?. Progress in Biophysics and Molecular Biology, 2021, 165, 19-28.	1.4	12
34	Barbara McClintock, 1902-1992. BioEssays, 1992, 14, 791-792.	1.2	9
35	How Chaotic Is Genome Chaos?. Cancers, 2021, 13, 1358.	1.7	9
36	Physiology of the readâ€“write genome. Journal of Physiology, 2014, 592, 2319-2341.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Constraint and opportunity in genome innovation. RNA Biology, 2014, 11, 186-196.	1.5	4
38	Thinking About Evolution in Terms of Cellular Computing. Natural Computing, 2005, 4, 297-324.	1.8	3
39	What we have learned about evolutionary genome change in the past 7 decades. BioSystems, 2022, 215-216, 104669.	0.9	3
40	Response to Denis Nobleâ€™s Article â€œThe Illusions of the Modern Synthesis,â€•Biosemiotics. Biosemiotics, 2021, 14, 73-78.	0.8	2
41	How should we think about evolution in the age of genomics?. , 2021, , 1-44.		1
42	A Twenty-First Century View of Evolution: Genome System Architecture, Repetitive DNA, and Natural Genetic Engineering. Biological and Medical Physics Series, 2007, , 129-147.	0.3	0
43	Implications of the Readâ€"Write Genome view. Physics of Life Reviews, 2013, 10, 347-350.	1.5	0
44	Elaine Dewar's <i>Smartsâ€"</i>one journalist's search for the various meanings and mechanisms of natural and artificial intelligence. Plant Signaling and Behavior, 2015, 10, e1052200.	1.2	0
45	From Genes to Genomes. Inference, 2020, 5, .	0.0	0