

David Shalloway

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.

61
papers

5,379
citations

35
h-index

68
g-index

68
ext. papers

5,625
ext. citations

12.9
avg, IF

5.38
L-index

#	Paper	IF	Citations
61	Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation. <i>Nature</i> , 1992 , 358, 690-2	50.4	771
60	Activation and suppression of pp60c-src transforming ability by mutation of its primary sites of tyrosine phosphorylation. <i>Cell</i> , 1987 , 49, 65-73	56.2	654
59	An RNA-binding protein associated with Src through its SH2 and SH3 domains in mitosis. <i>Nature</i> , 1994 , 368, 867-71	50.4	377
58	Cell cycle-dependent activation of Ras. <i>Current Biology</i> , 1996 , 6, 1621-7	6.3	371
57	Purified maturation promoting factor phosphorylates pp60c-src at the sites phosphorylated during fibroblast mitosis. <i>Cell</i> , 1989 , 57, 763-74	56.2	324
56	Protein kinase C phosphorylates pp60src at a novel site. <i>Cell</i> , 1985 , 42, 849-57	56.2	253
55	Altered phosphorylation and activation of pp60c-src during fibroblast mitosis. <i>Cell</i> , 1988 , 52, 801-10	56.2	244
54	A phosphotyrosine displacement mechanism for activation of Src by PTPalpha. <i>EMBO Journal</i> , 2000 , 19, 964-78	13	201
53	Specificity and determinants of Sam68 RNA binding. Implications for the biological function of K homology domains. <i>Journal of Biological Chemistry</i> , 1997 , 272, 27274-80	5.4	137
52	Induction by E1A oncogene expression of cellular susceptibility to lysis by TNF. <i>Nature</i> , 1987 , 330, 581-3	50.4	123
51	Altered tyrosine 527 phosphorylation and mitotic activation of p60c-src. <i>Nature</i> , 1991 , 349, 172-5	50.4	119
50	Specific correlations between relative synonymous codon usage and protein secondary structure. <i>Journal of Molecular Biology</i> , 1998 , 281, 31-48	6.5	111
49	Defining the cellular lineage hierarchy in the interfollicular epidermis of adult skin. <i>Nature Cell Biology</i> , 2016 , 18, 619-31	23.4	111
48	Functional interaction between c-Src and its mitotic target, Sam 68. <i>Journal of Biological Chemistry</i> , 1995 , 270, 10120-4	5.4	82
47	Association between v-Src and protein kinase C delta in v-Src-transformed fibroblasts. <i>Journal of Biological Chemistry</i> , 1997 , 272, 13275-80	5.4	81
46	Nonradioactive determination of Ras-GTP levels using activated ras interaction assay. <i>Methods in Enzymology</i> , 2001 , 333, 333-42	1.7	73
45	Greatwall-phosphorylated Endosulfine is both an inhibitor and a substrate of PP2A-B55 heterotrimers. <i>ELife</i> , 2014 , 3, e01695	8.9	73

44	Temperature dependent reaction coordinates. <i>Journal of Chemical Physics</i> , 2000 , 112, 5539-5545	3.9	66
43	Sam68 exerts separable effects on cell cycle progression and apoptosis. <i>BMC Cell Biology</i> , 2004 , 5, 5		60
42	Src and the control of cell division. <i>BioEssays</i> , 1996 , 18, 9-11	4.1	60
41	The cell cycle and c-Src. <i>Current Opinion in Genetics and Development</i> , 1993 , 3, 26-34	4.9	59
40	Optimization methods for computing global minima of nonconvex potential energy functions. <i>Journal of Global Optimization</i> , 1994 , 4, 117-133	1.5	59
39	Mitotic activation of protein-tyrosine phosphatase alpha and regulation of its Src-mediated transforming activity by its sites of protein kinase C phosphorylation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 21922-9	5.4	53
38	Apoptosis of estrogen-receptor negative breast cancer and colon cancer cell lines by PTP alpha and src RNAi. <i>International Journal of Cancer</i> , 2008 , 122, 1999-2007	7.5	51
37	Defining NELF-E RNA binding in HIV-1 and promoter-proximal pause regions. <i>PLoS Genetics</i> , 2014 , 10, e1004090	6	48
36	RAPID-SELEX for RNA aptamers. <i>PLoS ONE</i> , 2013 , 8, e82667	3.7	48
35	Autophosphorylation of purified c-Src at its primary negative regulation site. <i>Journal of Biological Chemistry</i> , 1995 , 270, 25729-32	5.4	47
34	A parallel build-up algorithm for global energy minimizations of molecular clusters using effective energy simulated annealing. <i>Journal of Global Optimization</i> , 1994 , 4, 171-185	1.5	47
33	Oncoprotein signalling and mitosis. <i>Cellular Signalling</i> , 1997 , 9, 249-55	4.9	46
32	Tracing specific synonymous codon-secondary structure correlations through evolution. <i>Journal of Molecular Evolution</i> , 2003 , 56, 473-84	3.1	44
31	Runx1 and p21 synergistically limit the extent of hair follicle stem cell quiescence in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4634-9	11.5	42
30	Phosphorylation of the Src substrate Sam68 by Cdc2 during mitosis. <i>Oncogene</i> , 1997 , 15, 1247-53	9.2	42
29	Efficient computation of the first passage time distribution of the generalized master equation by steady-state relaxation. <i>Journal of Chemical Physics</i> , 2006 , 124, 054112	3.9	42
28	Raf-1 is activated during mitosis. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26742-5	5.4	39
27	Characterization of Raf-1 activation in mitosis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4430-9	5.4	35

26	Physical and functional interaction between the transcriptional cofactor CBP and the KH domain protein Sam68. <i>Molecular Cancer Research</i> , 2002 , 1, 48-55	6.6	35
25	Application of the renormalization group to deterministic global minimization of molecular conformation energy functions. <i>Journal of Global Optimization</i> , 1992 , 2, 281	1.5	32
24	Macrostates of classical stochastic systems. <i>Journal of Chemical Physics</i> , 1996 , 105, 9986-10007	3.9	30
23	Hierarchical characterization of energy landscapes using Gaussian packet states. <i>Journal of Chemical Physics</i> , 1994 , 101, 9844-9857	3.9	29
22	Activation of Src and transformation by an RPTP β splice mutant found in human tumours. <i>EMBO Journal</i> , 2011 , 30, 3200-11	13	25
21	Multiplexed microcolumn-based process for efficient selection of RNA aptamers. <i>Analytical Chemistry</i> , 2013 , 85, 3417-24	7.8	24
20	Polymorphism and electronic structure of polyimine and its potential significance for prebiotic chemistry on Titan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8121-6	11.5	24
19	Density-dependent cooperative non-specific binding in solid-phase SELEX affinity selection. <i>Nucleic Acids Research</i> , 2013 , 41, 7167-75	20.1	22
18	Tyrosine phosphatase PTPalpha regulates focal adhesion remodeling through Rac1 activation. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C931-44	5.4	20
17	Isotropic effective energy simulated annealing searches for low energy molecular cluster states. <i>Computational Optimization and Applications</i> , 1993 , 2, 145-170	1.4	20
16	Finding transition states using contingency curves. <i>Journal of Chemical Physics</i> , 1997 , 106, 10099-10104	3.9	16
15	Oncoprotein kinases in mitosis. <i>Advances in Cancer Research</i> , 1991 , 57, 185-225	5.9	16
14	Solvation of nitrogen compounds in Titan's seas, precipitates, and atmosphere. <i>Icarus</i> , 2015 , 256, 1-12	3.8	15
13	Variational calculation of macrostate transition rates. <i>Journal of Chemical Physics</i> , 1998 , 109, 1670-1686	3.9	14
12	Recombinant DNA data management at the restriction and functional site level. <i>Nucleic Acids Research</i> , 1984 , 12, 739-50	20.1	13
11	Extracellular domain dependence of PTPalpha transforming activity. <i>Genes To Cells</i> , 2010 , 15, 711-724	2.3	11
10	Unfair competition governs the interaction of pCPI-17 with myosin phosphatase (PP1-MYPT1). <i>ELife</i> , 2017 , 6,	8.9	10
9	Macrostate data clustering. <i>Physical Review E</i> , 2003 , 67, 056704	2.4	8

8	c-Src and mitosis. <i>Novartis Foundation Symposium</i> , 1992 , 170, 248-65; discussion 265-75		6
7	Acetonitrile cluster solvation in a cryogenic ethane-methane-propane liquid: Implications for Titan lake chemistry. <i>Journal of Chemical Physics</i> , 2017 , 146, 104308	3.9	4
6	Efficient uncertainty minimization for fuzzy spectral clustering. <i>Physical Review E</i> , 2009 , 80, 056705	2.4	4
5	Chromatin Modifiers Alter Recombination Between Divergent DNA Sequences. <i>Genetics</i> , 2019 , 212, 1147-1162	4.3	3
4	Discovering aptamers by cell-SELEX against human soluble growth factors ectopically expressed on yeast cell surface. <i>PLoS ONE</i> , 2014 , 9, e93052	3.7	2
3	Variable-Scale Coarse-Graining in Macromolecular Global Optimization. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1997 , 135-161	0.5	2
2	Macrostate Dissection of Thermodynamic Monte Carlo Integrals. <i>Advances in Chemical Physics</i> , 2007 , 273-310		0
1	Wrong policy?. <i>Nature</i> , 1994 , 372, 214		50.4