

# David Shalloway

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/11483968/david-shalloway-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Chromatin Modifiers Alter Recombination Between Divergent DNA Sequences. <i>Genetics</i> , <b>2019</b> , 212, 1147-1162	4.7	1162
60	Acetonitrile cluster solvation in a cryogenic ethane-methane-propane liquid: Implications for Titan lake chemistry. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 104308	3.9	4
59	Unfair competition governs the interaction of pCPI-17 with myosin phosphatase (PP1-MYPT1). <i>ELife</i> , <b>2017</b> , 6,	8.9	10
58	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> , <b>2016</b> , 113, 8121-6	11.5	24
57	Defining the cellular lineage hierarchy in the interfollicular epidermis of adult skin. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 619-31	23.4	111
56	Solvation of nitrogen compounds in Titan's seas, precipitates, and atmosphere. <i>Icarus</i> , <b>2015</b> , 256, 1-12	3.8	15
55	Discovering aptamers by cell-SELEX against human soluble growth factors ectopically expressed on yeast cell surface. <i>PLoS ONE</i> , <b>2014</b> , 9, e93052	3.7	2
54	Defining NELF-E RNA binding in HIV-1 and promoter-proximal pause regions. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004090	6	48
53	Greatwall-phosphorylated Endosulfine is both an inhibitor and a substrate of PP2A-B55 heterotrimers. <i>ELife</i> , <b>2014</b> , 3, e01695	8.9	73
52	Multiplexed microcolumn-based process for efficient selection of RNA aptamers. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3417-24	7.8	24
51	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> , <b>2013</b> , 110, 4634-9	11.5	42
50	Density-dependent cooperative non-specific binding in solid-phase SELEX affinity selection. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 7167-75	20.1	22
49	RAPID-SELEX for RNA aptamers. <i>PLoS ONE</i> , <b>2013</b> , 8, e82667	3.7	48
48	Activation of Src and transformation by an RPTPβ splice mutant found in human tumours. <i>EMBO Journal</i> , <b>2011</b> , 30, 3200-11	13	25
47	Extracellular domain dependence of PTPα transforming activity. <i>Genes To Cells</i> , <b>2010</b> , 15, 711-724	2.3	11
46	Efficient uncertainty minimization for fuzzy spectral clustering. <i>Physical Review E</i> , <b>2009</b> , 80, 056705	2.4	4
45	Tyrosine phosphatase PTPα regulates focal adhesion remodeling through Rac1 activation. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 294, C931-44	5.4	20

44	Apoptosis of estrogen-receptor negative breast cancer and colon cancer cell lines by PTP alpha and src RNAi. <i>International Journal of Cancer</i> , <b>2008</b> , 122, 1999-2007	7.5	51
43	Macrostate Dissection of Thermodynamic Monte Carlo Integrals. <i>Advances in Chemical Physics</i> , <b>2007</b> , 273-310		0
42	Efficient computation of the first passage time distribution of the generalized master equation by steady-state relaxation. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 054112	3.9	42
41	Sam68 exerts separable effects on cell cycle progression and apoptosis. <i>BMC Cell Biology</i> , <b>2004</b> , 5, 5		60
40	Tracing specific synonymous codon-secondary structure correlations through evolution. <i>Journal of Molecular Evolution</i> , <b>2003</b> , 56, 473-84	3.1	44
39	Macrostate data clustering. <i>Physical Review E</i> , <b>2003</b> , 67, 056704	2.4	8
38	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> , <b>2002</b> , 277, 21922-9	5.4	53
37	Physical and functional interaction between the transcriptional cofactor CBP and the KH domain protein Sam68. <i>Molecular Cancer Research</i> , <b>2002</b> , 1, 48-55	6.6	35
36	Nonradioactive determination of Ras-GTP levels using activated ras interaction assay. <i>Methods in Enzymology</i> , <b>2001</b> , 333, 333-42	1.7	73
35	A phosphotyrosine displacement mechanism for activation of Src by PTPalpha. <i>EMBO Journal</i> , <b>2000</b> , 19, 964-78	13	201
34	Temperature dependent reaction coordinates. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 5539-5545	3.9	66
33	Characterization of Raf-1 activation in mitosis. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 4430-9	5.4	35
32	Specific correlations between relative synonymous codon usage and protein secondary structure. <i>Journal of Molecular Biology</i> , <b>1998</b> , 281, 31-48	6.5	111
31	Variational calculation of macrostate transition rates. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 1670-1686	3.9	14
30	Finding transition states using contangency curves. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 10099-10104	3.9	16
29	Specificity and determinants of Sam68 RNA binding. Implications for the biological function of K homology domains. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 27274-80	5.4	137
28	Association between v-Src and protein kinase C delta in v-Src-transformed fibroblasts. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 13275-80	5.4	81
27	Phosphorylation of the Src substrate Sam68 by Cdc2 during mitosis. <i>Oncogene</i> , <b>1997</b> , 15, 1247-53	9.2	42

26	Oncoprotein signalling and mitosis. <i>Cellular Signalling</i> , <b>1997</b> , 9, 249-55	4.9	46
25	Variable-Scale Coarse-Graining in Macromolecular Global Optimization. <i>The IMA Volumes in Mathematics and Its Applications</i> , <b>1997</b> , 135-161	0.5	2
24	Macrostates of classical stochastic systems. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 9986-10007	3.9	30
23	Cell cycle-dependent activation of Ras. <i>Current Biology</i> , <b>1996</b> , 6, 1621-7	6.3	371
22	Src and the control of cell division. <i>BioEssays</i> , <b>1996</b> , 18, 9-11	4.1	60
21	Raf-1 is activated during mitosis. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 26742-5	5.4	39
20	Autophosphorylation of purified c-Src at its primary negative regulation site. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 25729-32	5.4	47
19	Functional interaction between c-Src and its mitotic target, Sam 68. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 10120-4	5.4	82
18	Hierarchical characterization of energy landscapes using Gaussian packet states. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 9844-9857	3.9	29
17	Optimization methods for computing global minima of nonconvex potential energy functions. <i>Journal of Global Optimization</i> , <b>1994</b> , 4, 117-133	1.5	59
16	A parallel build-up algorithm for global energy minimizations of molecular clusters using effective energy simulated annealing. <i>Journal of Global Optimization</i> , <b>1994</b> , 4, 171-185	1.5	47
15	An RNA-binding protein associated with Src through its SH2 and SH3 domains in mitosis. <i>Nature</i> , <b>1994</b> , 368, 867-71	50.4	377
14	Wrong policy?. <i>Nature</i> , <b>1994</b> , 372, 214	50.4	
13	The cell cycle and c-Src. <i>Current Opinion in Genetics and Development</i> , <b>1993</b> , 3, 26-34	4.9	59
12	Isotropic effective energy simulated annealing searches for low energy molecular cluster states. <i>Computational Optimization and Applications</i> , <b>1993</b> , 2, 145-170	1.4	20
11	Application of the renormalization group to deterministic global minimization of molecular conformation energy functions. <i>Journal of Global Optimization</i> , <b>1992</b> , 2, 281	1.5	32
10	Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation. <i>Nature</i> , <b>1992</b> , 358, 690-2	50.4	771
9	c-Src and mitosis. <i>Novartis Foundation Symposium</i> , <b>1992</b> , 170, 248-65; discussion 265-75		6

8	Oncoprotein kinases in mitosis. <i>Advances in Cancer Research</i> , <b>1991</b> , 57, 185-225	5.9	16
7	Altered tyrosine 527 phosphorylation and mitotic activation of p60c-src. <i>Nature</i> , <b>1991</b> , 349, 172-5	50.4	119
6	Purified maturation promoting factor phosphorylates pp60c-src at the sites phosphorylated during fibroblast mitosis. <i>Cell</i> , <b>1989</b> , 57, 763-74	56.2	324
5	Altered phosphorylation and activation of pp60c-src during fibroblast mitosis. <i>Cell</i> , <b>1988</b> , 52, 801-10	56.2	244
4	Activation and suppression of pp60c-src transforming ability by mutation of its primary sites of tyrosine phosphorylation. <i>Cell</i> , <b>1987</b> , 49, 65-73	56.2	654
3	Induction by E1A oncogene expression of cellular susceptibility to lysis by TNF. <i>Nature</i> , <b>1987</b> , 330, 581-3	50.4	123
2	Protein kinase C phosphorylates pp60src at a novel site. <i>Cell</i> , <b>1985</b> , 42, 849-57	56.2	253
1	Recombinant DNA data management at the restriction and functional site level. <i>Nucleic Acids Research</i> , <b>1984</b> , 12, 739-50	20.1	13