

Darerca Owen

List of Publications by Year in descending order

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47
papers

1,703
citations

394421

19
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289244

40
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51
docs citations

51
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembly of nuclear dimers of PI3K regulatory subunits is regulated by the Cdc42-activated tyrosine kinase ACK. <i>Journal of Biological Chemistry</i> , 2022, 298, 101916.	3.4	10
2	Membrane extraction by calmodulin underpins the disparate signalling of RalA and RalB. <i>BioEssays</i> , 2022, 44, e2200011.	2.5	1
3	Affinity maturation of the RLIP76 Ral binding domain to inform the design of stapled peptides targeting the Ral GTPases. <i>Journal of Biological Chemistry</i> , 2021, 296, 100101.	3.4	5
4	The structure and function of protein kinase C-related kinases (PRKs). <i>Biochemical Society Transactions</i> , 2021, 49, 217-235.	3.4	6
5	A Complete Survey of RhoGDI Targets Reveals Novel Interactions with Atypical Small GTPases. <i>Biochemistry</i> , 2021, 60, 1533-1551.	2.5	17
6	RLIP76: A Structural and Functional Triumvirate. <i>Cancers</i> , 2021, 13, 2206.	3.7	4
7	Molecular subversion of Cdc42 signalling in cancer. <i>Biochemical Society Transactions</i> , 2021, 49, 1425-1442.	3.4	15
8	Progress in the therapeutic inhibition of Cdc42 signalling. <i>Biochemical Society Transactions</i> , 2021, 49, 1443-1456.	3.4	25
9	Calmodulin extracts the Ras family protein RalA from lipid bilayers by engagement with two membrane-targeting motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	5
10	¹ H, ¹⁵ N and ¹³ C resonance assignments of the HR1c domain of PRK1, a protein kinase C-related kinase. <i>Biomolecular NMR Assignments</i> , 2020, 14, 245-250.	0.8	2
11	The discovery and maturation of peptide biologics targeting the small G-protein Cdc42: A bioblockade for Ras-driven signaling. <i>Journal of Biological Chemistry</i> , 2020, 295, 2866-2884.	3.4	14
12	NMR resonance assignments for the active and inactive conformations of the small G protein RalA. <i>Biomolecular NMR Assignments</i> , 2020, 14, 87-91.	0.8	2
13	Therapeutic peptides targeting the Ras superfamily. <i>Peptide Science</i> , 2020, 112, e24165.	1.8	10
14	Class IA PI3K regulatory subunits: p110-independent roles and structures. <i>Biochemical Society Transactions</i> , 2020, 48, 1397-1417.	3.4	34
15	Intrinsically disordered proteins and membranes: a marriage of convenience for cell signalling?. <i>Biochemical Society Transactions</i> , 2020, 48, 2669-2689.	3.4	36
16	Activation of STAT transcription factors by the Rho-family GTPases. <i>Biochemical Society Transactions</i> , 2020, 48, 2213-2227.	3.4	26
17	Bioblockades join the assault on small G protein signalling. <i>Seminars in Cancer Biology</i> , 2019, 54, 149-161.	9.6	5
18	The non-receptor tyrosine kinase ACK: regulatory mechanisms, signalling pathways and opportunities for attACKing cancer. <i>Biochemical Society Transactions</i> , 2019, 47, 1715-1731.	3.4	19

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19	Bond swapping from a charge cloud allows flexible coordination of upstream signals through WASP: Multiple regulatory roles for the WASP basic region. <i>Journal of Biological Chemistry</i> , 2018, 293, 15136-15151.	3.4	6
20	Allostery and dynamics in small G proteins. <i>Biochemical Society Transactions</i> , 2018, 46, 1333-1343.	3.4	19
21	CRIB effector disorder: exquisite function from chaos. <i>Biochemical Society Transactions</i> , 2018, 46, 1289-1302.	3.4	6
22	A dock and coalesce mechanism driven by hydrophobic interactions governs Cdc42 binding with its effector protein ACK. <i>Journal of Biological Chemistry</i> , 2017, 292, 11361-11373.	3.4	13
23	Cdc42 in actin dynamics: An ordered pathway governed by complex equilibria and directional effector handover. <i>Small GTPases</i> , 2017, 8, 237-244.	1.6	39
24	¹ H, ¹³ C and ¹⁵ N resonance assignments of the Cdc42-binding domain of TOCA1. <i>Biomolecular NMR Assignments</i> , 2016, 10, 407-411.	0.8	1
25	Inhibition of Ral GTPases Using a Stapled Peptide Approach. <i>Journal of Biological Chemistry</i> , 2016, 291, 18310-18325.	3.4	20
26	Investigation of the Interaction between Cdc42 and Its Effector TOCA1. <i>Journal of Biological Chemistry</i> , 2016, 291, 13875-13890.	3.4	27
27	Thermodynamic Mapping of Effector Protein Interfaces with RalA and RalB. <i>Biochemistry</i> , 2015, 54, 1380-1389.	2.5	11
28	Structures of Ras superfamily effector complexes: What have we learnt in two decades?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2015, 50, 85-133.	5.2	71
29	Differential Binding of RhoA, RhoB, and RhoC to Protein Kinase C-Related Kinase (PRK) Isoforms PRK1, PRK2, and PRK3: PRKs Have the Highest Affinity for RhoB. <i>Biochemistry</i> , 2013, 52, 7999-8011.	2.5	37
30	Mutational Analysis Reveals a Single Binding Interface between RhoA and Its Effector, PRK1. <i>Biochemistry</i> , 2011, 50, 2860-2869.	2.5	14
31	The RalB-RLIP76 Complex Reveals a Novel Mode of Ral-Effector Interaction. <i>Structure</i> , 2010, 18, 985-995.	3.3	40
32	RLIP76 (RalBP1). <i>Small GTPases</i> , 2010, 1, 157-160.	1.6	7
33	The Structure of Binder of Arl2 (BART) Reveals a Novel G Protein Binding Domain. <i>Journal of Biological Chemistry</i> , 2009, 284, 992-999.	3.4	9
34	Solution Structure and Dynamics of the Small GTPase RalB in Its Active Conformation: Significance for Effector Protein Binding. <i>Biochemistry</i> , 2009, 48, 2192-2206.	2.5	41
35	¹ H, ¹³ C and ¹⁵ N resonance assignments for the active conformation of the small G protein RalB in complex with its effector RLIP76. <i>Biomolecular NMR Assignments</i> , 2008, 2, 179-182.	0.8	3
36	The Rac1 Polybasic Region Is Required for Interaction with Its Effector PRK1. <i>Journal of Biological Chemistry</i> , 2008, 283, 1492-1500.	3.4	46

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37	The IQGAP1-Rac1 and IQGAP1-Cdc42 Interactions. <i>Journal of Biological Chemistry</i> , 2008, 283, 1692-1704.	3.4	58
38	Double Mutant Cycle Thermodynamic Analysis of the Hydrophobic Cdc42-ACK Protein-Protein Interaction. <i>Biochemistry</i> , 2007, 46, 14087-14099.	2.5	9
39	¹ H, ¹³ C, and ¹⁵ N resonance assignments for the small G protein RalB in its active conformation. <i>Biomolecular NMR Assignments</i> , 2007, 1, 147-149.	0.8	7
40	Specificity Determinants on Cdc42 for Binding Its Effector Protein ACK. <i>Biochemistry</i> , 2005, 44, 12373-12383.	2.5	18
41	Molecular Dissection of the Interaction between the Small G Proteins Rac1 and RhoA and Protein Kinase C-related Kinase 1 (PRK1). <i>Journal of Biological Chemistry</i> , 2003, 278, 50578-50587.	3.4	49
42	Structure of Cdc42 bound to the GTPase binding domain of PAK. <i>Nature Structural Biology</i> , 2000, 7, 384-388.	9.7	168
43	Residues in Cdc42 That Specify Binding to Individual CRIB Effector Proteins. <i>Biochemistry</i> , 2000, 39, 1243-1250.	2.5	67
44	Structure of the small G protein Cdc42 bound to the GTPase-binding domain of ACK. <i>Nature</i> , 1999, 399, 384-388.	27.8	172
45	Delineation of the Cdc42/Rac-Binding Domain of p21-Activated Kinase. <i>Biochemistry</i> , 1998, 37, 7885-7891.	2.5	142
46	Structure of the cyclin-dependent kinase inhibitor p19Ink4d. <i>Nature</i> , 1997, 389, 999-1003.	27.8	100
47	Crystal structure of a small G protein in complex with the GTPase-activating protein rhoGAP. <i>Nature</i> , 1997, 388, 693-697.	27.8	264