Jonathan A Cooper

List of Publications by Year
in descending order

52 papers	9,360 citations	81900 39 h-index	175258 52 g-index
58 all docs	58 docs citations	58 times ranked	7447 citing authors

#	Article	IF	Citations
1	Direct Binding of Reelin to VLDL Receptor and ApoE Receptor 2 Induces Tyrosine Phosphorylation of Disabled-1 and Modulates Tau Phosphorylation. Neuron, 1999, 24, 481-489.	8.1	846
2	Src family kinases are required for integrin but not PDGFR signal transduction. EMBO Journal, 1999, 18, 2459-2471.	7.8	685
3	Neuronal position in the developing brain is regulated by mouse disabled-1. Nature, 1997, 389, 733-737.	27.8	672
4	Cloning of a complementary DNA for a protein-tyrosine kinase that specifically phosphorylates a negative regulatory site of p60c-src. Nature, 1991, 351, 69-72.	27.8	636
5	Scrambler and yotari disrupt the disabled gene and produce a reeler -like phenotype in mice. Nature, 1997, 389, 730-733.	27.8	604
6	Regulation, substrates and functions of src. Biochimica Et Biophysica Acta: Reviews on Cancer, 1996, 1287, 121-149.	7.4	569
7	The when and how of Src regulation. Cell, 1993, 73, 1051-1054.	28.9	550
8	The Disabled 1 Phosphotyrosine-Binding Domain Binds to the Internalization Signals of Transmembrane Glycoproteins and to Phospholipids. Molecular and Cellular Biology, 1999, 19, 5179-5188.	2.3	366
9	Reelin, Rap1 and N-cadherin orient the migration of multipolar neurons in the developing neocortex. Nature Neuroscience, 2011, 14, 697-703.	14.8	288
10	Fyn Tyrosine Kinase Is a Critical Regulator of Disabled-1 during Brain Development. Current Biology, 2003, 13, 9-17.	3.9	261
11	Dab1 tyrosine phosphorylation sites relay positional signals during mouse brain development. Current Biology, 2000, 10, 877-885.	3.9	244
12	Disabled-2 Colocalizes with the LDLR in Clathrin-Coated Pits and Interacts with AP-2. Traffic, 2001, 2, 111-123.	2.7	231
13	ASAP1, a Phospholipid-Dependent Arf GTPase-Activating Protein That Associates with and Is Phosphorylated by Src. Molecular and Cellular Biology, 1998, 18, 7038-7051.	2.3	226
14	Myosin VI Binds to and Localises with Dab2, Potentially Linking Receptor-Mediated Endocytosis and the Actin Cytoskeleton. Traffic, 2002, 3, 331-341.	2.7	216
15	Dual roles for the Dab2 adaptor protein in embryonic development and kidney transport. EMBO Journal, 2002, 21, 1555-1564.	7.8	196
16	Absence of Fyn and Src Causes a Reeler-Like Phenotype. Journal of Neuroscience, 2005, 25, 8578-8586.	3.6	192
17	Activation of a Dab1/CrkL/C3G/Rap1 Pathway in Reelin-Stimulated Neurons. Current Biology, 2004, 14, 606-610.	3.9	182
18	A mechanism for inside-out lamination in the neocortex. Trends in Neurosciences, 2008, 31, 113-119.	8.6	181

#	Article	IF	Citations
19	Src and FAK Kinases Cooperate to Phosphorylate Paxillin Kinase Linker, Stimulate Its Focal Adhesion Localization, and Regulate Cell Spreading and Protrusiveness. Molecular Biology of the Cell, 2005, 16, 4316-4328.	2.1	163
20	The adaptor protein Dab2 sorts LDL receptors into coated pits independently of AP-2 and ARH. Journal of Cell Science, 2006, 119, 4235-4246.	2.0	158
21	Regulation of Protein Tyrosine Kinase Signaling by Substrate Degradation during Brain Development. Molecular and Cellular Biology, 2003, 23, 9293-9302.	2.3	152
22	Mechanisms of cell migration in the nervous system. Journal of Cell Biology, 2013, 202, 725-734.	5.2	144
23	Reelin and Stk25 Have Opposing Roles in Neuronal Polarization and Dendritic Golgi Deployment. Cell, 2010, 143, 826-836.	28.9	141
24	Src Catalytic but Not Scaffolding Function Is Needed for Integrin-Regulated Tyrosine Phosphorylation, Cell Migration, and Cell Spreading. Molecular and Cellular Biology, 2002, 22, 2427-2440.	2.3	138
25	Cullin 5 regulates Dab1 protein levels and neuron positioning during cortical development. Genes and Development, 2007, 21, 2717-2730.	5.9	131
26	Endocytosis of megalin by visceral endoderm cells requires the Dab2 adaptor protein. Journal of Cell Science, 2005, 118, 5345-5355.	2.0	92
27	Lipid-dependent Recruitment of Neuronal Src to Lipid Rafts in the Brain. Journal of Biological Chemistry, 2003, 278, 40806-40814.	3.4	88
28	Tyrosine phosphorylation of Disabled-1 is essential for Reelin-stimulated activation of Akt and Src family kinases. Molecular Brain Research, 2003, 117, 152-159.	2.3	87
29	Molecules and mechanisms that regulate multipolar migration in the intermediate zone. Frontiers in Cellular Neuroscience, 2014, 8, 386.	3.7	85
30	Differential transformation capacity of Src family kinases during the initiation of prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6579-6584.	7.1	82
31	Cullin 5 Regulates Cortical Layering by Modulating the Speed and Duration of Dab1-Dependent Neuronal Migration. Journal of Neuroscience, 2010, 30, 5668-5676.	3.6	66
32	A hypomorphic allele ofdab1reveals regional differences in reelin-Dab1 signaling during brain development. Development (Cambridge), 2002, 129, 787-796.	2.5	64
33	STAT activation by the PDGF receptor requires juxtamembrane phosphorylation sites but not Src tyrosine kinase activation. Oncogene, 1999, 18, 3583-3592.	5.9	62
34	Dual Functions of Dab1 during Brain Development. Molecular and Cellular Biology, 2009, 29, 324-332.	2.3	54
35	The clathrin adaptor Dab2 recruits EH domain scaffold proteins to regulate integrin Î²1 endocytosis. Molecular Biology of the Cell, 2012, 23, 2905-2916.	2.1	53
36	Llgl1 Connects Cell Polarity with Cell-Cell Adhesion in Embryonic Neural Stem Cells. Developmental Cell, 2017, 41, 481-495.e5.	7.0	53

#	Article	IF	Citations
37	Restriction of Src Activity by Cullin-5. Current Biology, 2009, 19, 157-162.	3.9	49
38	Rbx2 Regulates Neuronal Migration through Different Cullin 5-RING Ligase Adaptors. Developmental Cell, 2013, 27, 399-411.	7.0	48
39	FCH domain only-2 organizes clathrin-coated structures and interacts with Disabled-2 for low-density lipoprotein receptor endocytosis. Molecular Biology of the Cell, 2012, 23, 1330-1342.	2.1	45
40	Cell Regulation by Phosphotyrosine-Targeted Ubiquitin Ligases. Molecular and Cellular Biology, 2015, 35, 1886-1897.	2.3	42
41	N-cadherin-regulated FGFR ubiquitination and degradation control mammalian neocortical projection neuron migration. ELife, 2019, 8, .	6.0	32
42	Cullin5 destabilizes Cas to inhibit Src-dependent cell transformation. Journal of Cell Science, 2014, 127, 509-20.	2.0	31
43	The ubiquitin-proteasome system regulates focal adhesions at the leading edge of migrating cells. ELife, 2016, 5, .	6.0	28
44	Disabled-2 Is Required for Efficient Hemostasis and Platelet Activation by Thrombin in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2404-2412.	2.4	26
45	Migration of sympathetic preganglionic neurons in the spinal cord is regulated by reelin-dependent Dab1 tyrosine phosphorylation and CrkL. Journal of Comparative Neurology, 2007, 502, 635-643.	1.6	22
46	High affinity binding of Dab1 to Reelin receptors promotes normal positioning of upper layer cortical plate neurons. Molecular Brain Research, 2004, 126, 121-128.	2.3	19
47	Both the phosphoinositide and receptor binding activities of Dab1 are required for Reelin-stimulated Dab1 tyrosine phosphorylation. Molecular Brain Research, 2005, 139, 300-305.	2.3	16
48	Identification of Stk25 as a Genetic Modifier of Tau Phosphorylation in Dab1-Mutant Mice. PLoS ONE, 2012, 7, e31152.	2.5	15
49	Fbxo45 Binds SPRY Motifs in the Extracellular Domain of N-Cadherin and Regulates Neuron Migration during Brain Development. Molecular and Cellular Biology, 2020, 40, .	2.3	11
50	Optogenetic control of the Dab1 signaling pathway. Scientific Reports, 2017, 7, 43760.	3.3	5
51	SOCS2 Binds to and Regulates EphA2 through Multiple Mechanisms. Scientific Reports, 2017, 7, 10838.	3.3	3
52	Protein Kinases and Signaling Pathways that Are Activated by Reelin. , 2008, , 193-216.		2