Channing J Der

List of Publications by Year
in descending order

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319 papers	43,164 citations	2311 98 h-index	2323 199 g-index
408 all docs	408 docs citations	408 times ranked	46489 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Drugging the undruggable RAS: Mission Possible?. Nature Reviews Drug Discovery, 2014, 13, 828-851.	21.5	1,484
3	GEF means go: turning on RHO GTPases with guanine nucleotide-exchange factors. Nature Reviews Molecular Cell Biology, 2005, 6, 167-180.	16.1	1,483
4	The Ras superfamily at a glance. Journal of Cell Science, 2005, 118, 843-846.	1.2	1,222
5	Increasing complexity of Ras signaling. Oncogene, 1998, 17, 1395-1413.	2.6	977
6	Understanding Ras: â€˜it ainâ€™t over â€™til itâ€™s overâ€™. Trends in Cell Biology, 2000, 10, 147-154.	3.6	739
7	Cdc42 and Rac1 induce integrin-mediated cell motility and invasiveness through PI(3)K. Nature, 1997, 390, 632-636.	13.7	683
8	Ras superfamily GEFs and GAPs: validated and tractable targets for cancer therapy?. Nature Reviews Cancer, 2010, 10, 842-857.	12.8	654
9	BCR-ABL-induced oncogenesis is mediated by direct interaction with the SH2 domain of the GRB-2 adaptor protein. Cell, 1993, 75, 175-185.	13.5	634
10	RAS isoforms and mutations in cancer at a glance. Journal of Cell Science, 2016, 129, 1287-92.	1.2	606
11	Ras history. Small GTPases, 2010, 1, 2-27.	0.7	586
12	KRAS: The Critical Driver and Therapeutic Target for Pancreatic Cancer. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a031435.	2.9	563
13	KRAS: feeding pancreatic cancer proliferation. Trends in Biochemical Sciences, 2014, 39, 91-100.	3.7	546
14	Biological and biochemical properties of human rasH genes mutated at codon 61. Cell, 1986, 44, 167-176.	13.5	528
15	Requirement of NF-ÎºB Activation to Suppress p53-Independent Apoptosis Induced by Oncogenic Ras. Science, 1997, 278, 1812-1815.	6.0	527
16	Rho-family GTPases: it's not only Rac and Rho (and I like it). Journal of Cell Science, 2004, 117, 1301-1312.	1.2	524
17	Increasing Complexity of the Ras Signaling Pathway. Journal of Biological Chemistry, 1998, 273, 19925-19928.	1.6	504
18	Combination of ERK and autophagy inhibition as a treatment approach for pancreatic cancer. Nature Medicine, 2019, 25, 628-640.	15.2	476

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19	ROCK-generated contractility regulates breast epithelial cell differentiation in response to the physical properties of a three-dimensional collagen matrix. Journal of Cell Biology, 2003, 163, 583-595.	2.3	474
20	Functional independence of the epidermal growth factor receptor from a domain required for ligand-induced internalization and calcium regulation. Cell, 1989, 59, 33-43.	13.5	424
21	The Mitogen-activated Protein Kinase Phosphatases PAC1, MKP-1, and MKP-2 Have Unique Substrate Specificities and Reduced Activity in Vivo toward the ERK2 sevenmaker Mutation. Journal of Biological Chemistry, 1996, 271, 6497-6501.	1.6	408
22	The dark side of Ras: regulation of apoptosis. Oncogene, 2003, 22, 8999-9006.	2.6	396
23	The Ras branch of small Gtpases: Ras family members donâ€™t fall far from the tree. Current Opinion in Cell Biology, 2000, 12, 157-165.	2.6	381
24	Distinct requirements for Ras oncogenesis in human versus mouse cells. Genes and Development, 2002, 16, 2045-2057.	2.7	373
25	Inhibition of Ras for cancer treatment: the search continues. Future Medicinal Chemistry, 2011, 3, 1787-1808.	1.1	349
26	Oncogenic Ha-Ras-induced Signaling Activates NF-Î°B Transcriptional Activity, Which Is Required for Cellular Transformation. Journal of Biological Chemistry, 1997, 272, 24113-24116.	1.6	344
27	The Ras signal transduction pathway. Cancer and Metastasis Reviews, 1994, 13, 67-89.	2.7	342
28	Rho family proteins and Ras transformation: the RHOad less traveled gets congested. Oncogene, 1998, 17, 1415-1438.	2.6	337
29	Inhibiting farnesylation of progerin prevents the characteristic nuclear blebbing of Hutchinson-Gilford progeria syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12879-12884.	3.3	334
30	Signaling Interplay in Ras Superfamily Function. Current Biology, 2005, 15, R563-R574.	1.8	332
31	Activation of RalA is critical for Ras-induced tumorigenesis of human cells. Cancer Cell, 2005, 7, 533-545.	7.7	330
32	Targeting RAS Membrane Association: Back to the Future for Anti-RAS Drug Discovery?. Clinical Cancer Research, 2015, 21, 1819-1827.	3.2	323
33	Ras CAAX Peptidomimetic FTI-277 Selectively Blocks Oncogenic Ras Signaling by Inducing Cytoplasmic Accumulation of Inactive Ras-Raf Complexes. Journal of Biological Chemistry, 1995, 270, 26802-26806.	1.6	319
34	Honokiol, a Small Molecular Weight Natural Product, Inhibits Angiogenesis in Vitro and Tumor Growth in Vivo. Journal of Biological Chemistry, 2003, 278, 35501-35507.	1.6	314
35	The Nf2 Tumor Suppressor, Merlin, Functions in Rac-Dependent Signaling. Developmental Cell, 2001, 1, 63-72.	3.1	311
36	Drugging RAS: Know the enemy. Science, 2017, 355, 1158-1163.	6.0	300

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37	The coupling of Î±6Î²4integrin to Ras-MAP kinase pathways mediated by Shc controls keratinocyte proliferation. EMBO Journal, 1997, 16, 2365-2375.	3.5	297
38	Tiam1 mediates Ras activation of Rac by a PI(3)K-independent mechanism. Nature Cell Biology, 2002, 4, 621-625.	4.6	288
39	Ras and Rho regulation of the cell cycle and oncogenesis. Cancer Letters, 2001, 171, 1-10.	3.2	277
40	Rho Family GTPase Modification and Dependence on CAAX Motif-signaled Posttranslational Modification. Journal of Biological Chemistry, 2008, 283, 25150-25163.	1.6	275
41	Renewing the conspiracy theory debate: does Raf function alone to mediate Ras oncogenesis?. Trends in Cell Biology, 2004, 14, 639-647.	3.6	274
42	Specificity and Mechanism of Action of EHT 1864, a Novel Small Molecule Inhibitor of Rac Family Small GTPases. Journal of Biological Chemistry, 2007, 282, 35666-35678.	1.6	274
43	Integration of Rac-dependent Regulation of Cyclin D1 Transcription through a Nuclear Factor-ÎºB-dependent Pathway. Journal of Biological Chemistry, 1999, 274, 25245-25249.	1.6	260
44	Role of a Mitogen-activated Protein Kinase Pathway in the Induction of Phase II Detoxifying Enzymes by Chemicals. Journal of Biological Chemistry, 1999, 274, 27545-27552.	1.6	257
45	Oncogenic Ras and its role in tumor cell invasion and metastasis. Seminars in Cancer Biology, 2004, 14, 105-114.	4.3	246
46	Personalized Medicine in Nonâ€“Small-Cell Lung Cancer: Is KRAS a Useful Marker in Selecting Patients for Epidermal Growth Factor Receptorâ€“Targeted Therapy?. Journal of Clinical Oncology, 2010, 28, 4769-4777.	0.8	243
47	Vav2 Is an Activator of Cdc42, Rac1, and RhoA. Journal of Biological Chemistry, 2000, 275, 10141-10149.	1.6	226
48	Rnd Proteins Function as RhoA Antagonists by Activating p190 RhoGAP. Current Biology, 2003, 13, 1106-1115.	1.8	222
49	Regulation of RasGRP via a Phorbol Ester-Responsive C1 Domain. Molecular and Cellular Biology, 1998, 18, 6995-7008.	1.1	215
50	Ligand-dependent Dynamics and Intramolecular Signaling in a PDZ Domain. Journal of Molecular Biology, 2004, 335, 1105-1115.	2.0	215
51	Two Distinct Raf Domains Mediate Interaction with Ras. Journal of Biological Chemistry, 1995, 270, 9809-9812.	1.6	214
52	Divergent Roles for RalA and RalB in Malignant Growth of Human Pancreatic Carcinoma Cells. Current Biology, 2006, 16, 2385-2394.	1.8	212
53	Emerging concepts in the Ras superfamily of GTPâ€binding proteins. FASEB Journal, 1993, 7, 750-759.	0.2	206
54	Guanine nucleotide exchange factors: Activators of the Ras superfamily of proteins. BioEssays, 1995, 17, 395-404.	1.2	205

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55	A Six-Gene Signature Predicts Survival of Patients with Localized Pancreatic Ductal Adenocarcinoma. PLoS Medicine, 2010, 7, e1000307.	3.9	202
56	K-Ras Promotes Growth Transformation and Invasion of Immortalized Human Pancreatic Cells by Raf and Phosphatidylinositol 3-Kinase Signaling. Cancer Research, 2007, 67, 2098-2106.	0.4	197
57	Aberrant function of the Ras signal transduction pathway in human breast cancer. Breast Cancer Research and Treatment, 1995, 35, 133-144.	1.1	194
58	Ras Family Signaling: Therapeutic Targeting. Cancer Biology and Therapy, 2002, 1, 599-606.	1.5	191
59	Long-Term ERK Inhibition in KRAS-Mutant Pancreatic Cancer Is Associated with MYC Degradation and Senescence-like Growth Suppression. Cancer Cell, 2016, 29, 75-89.	7.7	191
60	Structural basis for the selective activation of Rho GTPases by Dbl exchange factors. Nature Structural Biology, 2002, 9, 468-475.	9.7	190
61	Involvement of Ras Activation in Human Breast Cancer Cell Signaling, Invasion, and Anoikis. Cancer Research, 2004, 64, 4585-4592.	0.4	184
62	[40] Biological assays for Ras transformation. Methods in Enzymology, 1995, 255, 395-412.	0.4	176
63	Integrin-mediated Activation of MEK and Mitogen-activated Protein Kinase Is Independent of Ras. Journal of Biological Chemistry, 1996, 271, 18122-18127.	1.6	169
64	Leukemia-Associated Rho Guanine Nucleotide Exchange Factor Promotes GÎ±q-Coupled Activation of RhoA. Molecular and Cellular Biology, 2002, 22, 4053-4061.	1.1	165
65	Splice Variants of Intersectin Are Components of the Endocytic Machinery in Neurons and Nonneuronal Cells. Journal of Biological Chemistry, 1999, 274, 15671-15677.	1.6	164
66	Altered gene products are associated with activation of cellular rasK genes in human lung and colon carcinomas. Cell, 1983, 32, 201-208.	13.5	160
67	The Ras-related Protein Rheb Is Farnesylated and Antagonizes Ras Signaling and Transformation. Journal of Biological Chemistry, 1997, 272, 10608-10615.	1.6	158
68	Searching for the elusive targets of farnesyltransferase inhibitors. Nature Reviews Cancer, 2003, 3, 945-951.	12.8	158
69	Rac1b, a tumor associated, constitutively active Rac1 splice variant, promotes cellular transformation. Oncogene, 2004, 23, 9369-9380.	2.6	157
70	P-Rex1 is required for efficient melanoblast migration and melanoma metastasis. Nature Communications, 2011, 2, 555.	5.8	152
71	Increasing Complexity of Ras Signal Transduction: Involvement of Rho Family Proteins. Advances in Cancer Research, 1997, 72, 57-107.	1.9	150
72	The G12 family of heterotrimeric G proteins promotes breast cancer invasion and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8173-8178.	3.3	150

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73	Activation of ras genes in human tumors does not affect localization, modification, or nucleotide binding properties of p21. Cell, 1984, 37, 151-158.	13.5	147
74	RERG Is a Novel ras-related, Estrogen-regulated and Growth-inhibitory Gene in Breast Cancer. Journal of Biological Chemistry, 2001, 276, 42259-42267.	1.6	147
75	KRAS Mutant Pancreatic Cancer: No Lone Path to an Effective Treatment. Cancers, 2016, 8, 45.	1.7	147
76	Dbl family proteins. Biochimica Et Biophysica Acta: Reviews on Cancer, 1997, 1332, F1-F23.	3.3	140
77	KRAS/BRAF mutation status and ERK1/2 activation as biomarkers for MEK1/2 inhibitor therapy in colorectal cancer. Molecular Cancer Therapeutics, 2009, 8, 834-843.	1.9	140
78	Isolation of a NCK-associated Kinase, PRK2, an SH3-binding Protein and Potential Effector of Rho Protein Signaling. Journal of Biological Chemistry, 1996, 271, 28772-28776.	1.6	139
79	Overexpression of Collagenase 1 (MMP-1) Is Mediated by the ERK Pathway in Invasive Melanoma Cells. Journal of Biological Chemistry, 2004, 279, 33168-33176.	1.6	137
80	Ras Interaction with Two Distinct Binding Domains in Raf-1 5 Be Required for Ras Transformation. Journal of Biological Chemistry, 1996, 271, 233-237.	1.6	136
81	Atypical KRASG12R Mutant Is Impaired in PI3K Signaling and Macropinocytosis in Pancreatic Cancer. Cancer Discovery, 2020, 10, 104-123.	7.7	131
82	Farnesyltransferase inhibitors and cancer treatment: targeting simply Ras?. Biochimica Et Biophysica Acta: Reviews on Cancer, 1997, 1333, F51-F71.	3.3	125
83	Farnesyltransferase inhibitors: promises and realities. Current Opinion in Pharmacology, 2002, 2, 388-393.	1.7	124
84	XPLN, a Guanine Nucleotide Exchange Factor for RhoA and RhoB, But Not RhoC. Journal of Biological Chemistry, 2002, 277, 42964-42972.	1.6	121
85	Oncogenic Neu/ErbB-2 Increases Ets, AP-1, and NF-kB-dependent Gene Expression, and Inhibiting Ets Activation Blocks Neu-mediated Cellular Transformation. Journal of Biological Chemistry, 1996, 271, 7992-7998.	1.6	120
86	Loss of Transgelin in Breast and Colon Tumors and in RIE-1 Cells by Ras Deregulation of Gene Expression through Raf-independent Pathways. Journal of Biological Chemistry, 2002, 277, 9790-9799.	1.6	118
87	The ras superfamily of GTPâ€binding proteins: guidelines on nomenclature. FASEB Journal, 1992, 6, 2512-2513.	0.2	116
88	DLCâ€1 suppresses nonâ€small cell lung cancer growth and invasion by RhoGAPâ€dependent and independent mechanisms. Molecular Carcinogenesis, 2008, 47, 326-337.	1.3	115
89	Leukemia-associated Rho Guanine Nucleotide Exchange Factor, a Dbl Family Protein Found Mutated in Leukemia, Causes Transformation by Activation of RhoA. Journal of Biological Chemistry, 2001, 276, 27145-27151.	1.6	112
90	Ral and Rheb GTPase Activating Proteins Integrate mTOR and GTPase Signaling in Aging, Autophagy, and Tumor Cell Invasion. Molecular Cell, 2014, 53, 209-220.	4.5	112

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91	KRAS Suppression-Induced Degradation of MYC Is Antagonized by a MEK5-ERK5 Compensatory Mechanism. Cancer Cell, 2018, 34, 807-822.e7.	7.7	112
92	14-3-3 Î¶ Negatively Regulates Raf-1 Activity by Interactions with the Raf-1 Cysteine-rich Domain. Journal of Biological Chemistry, 1997, 272, 20990-20993.	1.6	111
93	The thrombin receptor, PAR-1, causes transformation by activation of Rho-mediated signaling pathways. Oncogene, 2001, 20, 1953-1963.	2.6	111
94	M-Ras/R-Ras3, a Transforming Ras Protein Regulated by Sos1, GRF1, and p120 Ras GTPase-activating Protein, Interacts with the Putative Ras Effector AF6. Journal of Biological Chemistry, 1999, 274, 23850-23857.	1.6	110
95	Oncogenic Ras Blocks Anoikis by Activation of a Novel Effector Pathway Independent of Phosphatidylinositol 3-Kinase. Molecular and Cellular Biology, 2001, 21, 5488-5499.	1.1	109
96	Dependence of Dbl and Dbs Transformation on MEK and NF-ÎºB Activation. Molecular and Cellular Biology, 1999, 19, 7759-7770.	1.1	108
97	ROCK1 and ROCK2 Are Required for Non-Small Cell Lung Cancer Anchorage-Independent Growth and Invasion. Cancer Research, 2012, 72, 5338-5347.	0.4	108
98	Targeting RAS -mutant Cancers: Is ERK the Key?. Trends in Cancer, 2015, 1, 183-198.	3.8	104
99	The role of wild type RAS isoforms in cancer. Seminars in Cell and Developmental Biology, 2016, 58, 60-69.	2.3	104
100	Persistent Signaling by Dysregulated Thrombin Receptor Trafficking Promotes Breast Carcinoma Cell Invasion. Molecular and Cellular Biology, 2004, 24, 1990-1999.	1.1	102
101	A Raf-independent Epidermal Growth Factor Receptor Autocrine Loop Is Necessary for Ras Transformation of Rat Intestinal Epithelial Cells. Journal of Biological Chemistry, 1997, 272, 18926-18931.	1.6	101
102	Aurora-A Phosphorylates, Activates, and Relocalizes the Small GTPase RalA. Molecular and Cellular Biology, 2010, 30, 508-523.	1.1	100
103	Altered RNA Splicing by Mutant p53 Activates Oncogenic RAS Signaling in Pancreatic Cancer. Cancer Cell, 2020, 38, 198-211.e8.	7.7	99
104	Identification and Characterization of an Activating TrkA Deletion Mutation in Acute Myeloid Leukemia. Molecular and Cellular Biology, 2000, 20, 8655-8666.	1.1	98
105	The RalGEF-Ral Effector Signaling Network: The Road Less Traveled for Anti-Ras Drug Discovery. Genes and Cancer, 2011, 2, 275-287.	0.6	98
106	Stimulation of p38 Phosphorylation and Activity by Arachidonic Acid in HeLa Cells, HL60 Promyelocytic Leukemic Cells, and Human Neutrophils. Journal of Biological Chemistry, 1998, 273, 19277-19282.	1.6	97
107	SGEF, a RhoG Guanine Nucleotide Exchange Factor that Stimulates Macropinocytosis. Molecular Biology of the Cell, 2004, 15, 3309-3319.	0.9	97
108	Ect2-Dependent rRNA Synthesis Is Required for KRAS-TRP53 -Driven Lung Adenocarcinoma. Cancer Cell, 2017, 31, 256-269.	7.7	97

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109	Role of MAP Kinases in the 1,25-Dihydroxyvitamin D3-induced Transactivation of the Rat Cytochrome P450C24 (CYP24) Promoter. Journal of Biological Chemistry, 2002, 277, 29643-29653.	1.6	96
110	GTP Binding by Class II Transactivator: Role in Nuclear Import. Science, 1999, 285, 1402-1405.	6.0	94
111	Characterization of EHT 1864, a Novel Small Molecule Inhibitor of Rac Family Small GTPases. Methods in Enzymology, 2008, 439, 111-129.	0.4	94
112	Nitric Oxide-Releasing Silica Nanoparticle Inhibition of Ovarian Cancer Cell Growth. Molecular Pharmaceutics, 2010, 7, 775-785.	2.3	94
113	Elucidation of Binding Determinants and Functional Consequences of Ras/Raf-Cysteine-rich Domain Interactions. Journal of Biological Chemistry, 2000, 275, 22172-22179.	1.6	93
114	p120 GAP Modulates Ras Activation of Jun Kinases and Transformation. Journal of Biological Chemistry, 1997, 272, 1677-1681.	1.6	91
115	Cellular functions of TC10, a Rho family GTPase: regulation of morphology, signal transduction and cell growth. Oncogene, 1999, 18, 3831-3845.	2.6	91
116	RhoG Signals in Parallel with Rac1 and Cdc42. Journal of Biological Chemistry, 2002, 277, 47810-47817.	1.6	91
117	Gain-of-Function RHOA Mutations Promote Focal Adhesion Kinase Activation and Dependency in Diffuse Gastric Cancer. Cancer Discovery, 2020, 10, 288-305.	7.7	91
118	[24] Biological assays for cellular transformation. Methods in Enzymology, 1994, 238, 277-294.	0.4	90
119	Activation of Phospholipase C-Îµ by Heterotrimeric G Protein Î²Î³-Subunits. Journal of Biological Chemistry, 2001, 276, 48257-48261.	1.6	90
120	Molecular Basis for Rho GTPase Signaling Specificity. Breast Cancer Research and Treatment, 2004, 84, 61-71.	1.1	90
121	Rho Family GTPases Regulate Mammary Epithelium Cell Growth and Metastasis Through Distinguishable Pathways. Molecular Medicine, 2001, 7, 816-830.	1.9	88
122	Ras-mediated Loss of the Pro-apoptotic Response Protein Par-4 Is Mediated by DNA Hypermethylation through Raf-independent and Raf-dependent Signaling Cascades in Epithelial Cells. Journal of Biological Chemistry, 2005, 280, 23363-23370.	1.6	87
123	Extracellular Signal-regulated Kinase (ERK) Phosphorylates Histone Deacetylase 6 (HDAC6) at Serine 1035 to Stimulate Cell Migration. Journal of Biological Chemistry, 2013, 288, 33156-33170.	1.6	86
124	Ral small GTPase signaling and oncogenesis: More than just 15minutes of fame. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2976-2988.	1.9	85
125	Transforming Potential of Dbl Family Proteins Correlates with Transcription from the Cyclin D1 Promoter but Not with Activation of Jun NH2-terminal Kinase, p38/Mpk2, Serum Response Factor, or c-Jun. Journal of Biological Chemistry, 1998, 273, 16739-16747.	1.6	84
126	Molecular basis for Rac1 recognition by guanine nucleotide exchange factors. Nature Structural Biology, 2001, 8, 1037-1041.	9.7	84

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127	Quantitative Analysis of the Effect of Phosphoinositide Interactions on the Function of Dbl Family Proteins. Journal of Biological Chemistry, 2001, 276, 45868-45875.	1.6	83
128	RasGRP4 Is a Novel Ras Activator Isolated from Acute Myeloid Leukemia. Journal of Biological Chemistry, 2002, 277, 30508-30514.	1.6	83
129	Release of autoinhibition of ASEF by APC leads to CDC42 activation and tumor suppression. Nature Structural and Molecular Biology, 2007, 14, 814-823.	3.6	83
130	Lack of Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase Signaling Shows a New Type of Melanoma. Cancer Research, 2007, 67, 1502-1512.	0.4	80
131	Lack of correlation between the decreased expression of cell surface LETS protein and tumorigenicity in human cell hybrids. Cell, 1978, 15, 1241-1251.	13.5	79
132	The RalB Small GTPase Mediates Formation of Invadopodia through a GTPase-Activating Protein-Independent Function of the RalBP1/RLIP76 Effector. Molecular and Cellular Biology, 2012, 32, 1374-1386.	1.1	78
133	Rho GTPase-dependent transformation by G protein-coupled receptors. Oncogene, 2001, 20, 1547-1555.	2.6	77
134	Geranylgeranyltransferase I Inhibitors Target RalB To Inhibit Anchorage-Dependent Growth and Induce Apoptosis and RalA To Inhibit Anchorage-Independent Growth. Molecular and Cellular Biology, 2007, 27, 8003-8014.	1.1	77
135	A Landscape of Therapeutic Cooperativity in KRAS Mutant Cancers Reveals Principles for Controlling Tumor Evolution. Cell Reports, 2017, 20, 999-1015.	2.9	77
136	A tumor-specific membrane phosphoprotein marker in human cell hybrids. Cell, 1981, 26, 429-438.	13.5	76
137	Computational design of chemogenetic and optogenetic split proteins. Nature Communications, 2018, 9, 4042.	5.8	75
138	Expression Cloning of lsc, a Novel Oncogene with Structural Similarities to the Dbl Family of Guanine Nucleotide Exchange Factors. Journal of Biological Chemistry, 1996, 271, 18643-18650.	1.6	74
139	Atypical Mechanism of Regulation of the Wrch-1 Rho Family Small GTPase. Current Biology, 2004, 14, 2052-2056.	1.8	74
140	Activation and Involvement of Ral GTPases in Colorectal Cancer. Cancer Research, 2011, 71, 206-215.	0.4	74
141	Mas Oncogene Signaling and Transformation Require the Small GTP-Binding Protein Rac. Molecular and Cellular Biology, 1998, 18, 1225-1235.	1.1	73
142	Raf-independent Deregulation of p38 and JNK Mitogen-activated Protein Kinases Are Critical for Ras Transformation. Journal of Biological Chemistry, 2002, 277, 31808-31817.	1.6	73
143	Transforming Activity of the Rho Family GTPase, Wrch-1, a Wnt-regulated Cdc42 Homolog, Is Dependent on a Novel Carboxyl-terminal Palmitoylation Motif. Journal of Biological Chemistry, 2005, 280, 33055-33065.	1.6	72
144	K-Ras Promotes Angiogenesis Mediated by Immortalized Human Pancreatic Epithelial Cells through Mitogen-Activated Protein Kinase Signaling Pathways. Molecular Cancer Research, 2009, 7, 799-808.	1.5	72

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145	Oncogenic Activity of Ect2 Is Regulated through Protein Kinase CÎ¹-mediated Phosphorylation. Journal of Biological Chemistry, 2011, 286, 8149-8157.	1.6	72
146	G2A is an oncogenic G protein-coupled receptor. Oncogene, 2000, 19, 3866-3877.	2.6	71
147	Guanine nucleotide exchange factors: Activators of Ras superfamily proteins. Molecular Reproduction and Development, 1995, 42, 468-476.	1.0	70
148	Low-Dose Vertical Inhibition of the RAF-MEK-ERK Cascade Causes Apoptotic Death of KRAS Mutant Cancers. Cell Reports, 2020, 31, 107764.	2.9	69
149	Opposing Roles of the Extracellular Signal-Regulated Kinase and p38 Mitogen-Activated Protein Kinase Cascades in Ras-Mediated Downregulation of Tropomyosin. Molecular and Cellular Biology, 2002, 22, 2304-2317.	1.1	64
150	Identification and Characterization of Rain, a Novel Ras-interacting Protein with a Unique Subcellular Localization. Journal of Biological Chemistry, 2004, 279, 22353-22361.	1.6	63
151	Identification of a Novel RalGDS-related Protein as a Candidate Effector for Ras and Rap1. Journal of Biological Chemistry, 1996, 271, 29903-29908.	1.6	62
152	Cellular N-Ras Promotes Cell Survival by Downregulation of Jun N-Terminal Protein Kinase and p38. Molecular and Cellular Biology, 2002, 22, 1589-1606.	1.1	62
153	RAS, wanted dead or alive: Advances in targeting RAS mutant cancers. Science Signaling, 2020, 13, .	1.6	62
154	TC21 and Ras share indistinguishable transforming and differentiating activities. Oncogene, 1999, 18, 2107-2116.	2.6	60
155	Rho GTPase Transcriptome Analysis Reveals Oncogenic Roles for Rho GTPase-Activating Proteins in Basal-like Breast Cancers. Cancer Research, 2016, 76, 3826-3837.	0.4	60
156	CDC42 and FGD1 Cause Distinct Signaling and Transforming Activities. Molecular and Cellular Biology, 1998, 18, 4689-4697.	1.1	59
157	Interferon Regulatory Factor 7 Is Associated with Epstein-Barr Virus-Transformed Central Nervous System Lymphoma and Has Oncogenic Properties. Journal of Virology, 2004, 78, 12987-12995.	1.5	59
158	Critical and Distinct Roles of Amino- and Carboxyl-terminal Sequences in Regulation of the Biological Activity of the Chp Atypical Rho GTPase. Journal of Biological Chemistry, 2005, 280, 13784-13792.	1.6	59
159	A Non-farnesylated Ha-Ras Protein Can Be Palmitoylated and Trigger Potent Differentiation and Transformation. Journal of Biological Chemistry, 1999, 274, 1423-1431.	1.6	58
160	Aberrant Receptor Internalization and Enhanced FRS2-dependent Signaling Contribute to the Transforming Activity of the Fibroblast Growth Factor Receptor 2 IIIb C3 Isoform. Journal of Biological Chemistry, 2009, 284, 6227-6240.	1.6	58
161	Ras Effector Switching Promotes Divergent Cell Fates in C. elegans Vulval Patterning. Developmental Cell, 2011, 20, 84-96.	3.1	56
162	Selective Targeting of the KRAS G12C Mutant: Kicking KRAS When Itâ€™s Down. Cancer Cell, 2016, 29, 251-253.	7.7	56

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163	Substrate Trapping Proteomics Reveals Targets of the Î²TrCP2/FBXW11 Ubiquitin Ligase. Molecular and Cellular Biology, 2015, 35, 167-181.	1.1	55
164	Differential regulation of SHC proteins by nerve growth factor in sensory neurons and PC12 cells. European Journal of Neuroscience, 1998, 10, 1995-2008.	1.2	54
165	Effects of Structure of Rho GTPase-activating Protein DLC-1 on Cell Morphology and Migration. Journal of Biological Chemistry, 2008, 283, 32762-32770.	1.6	53
166	Regulation of Rnd3 localization and function by protein kinase CÎ±-mediated phosphorylation. Biochemical Journal, 2009, 424, 153-161.	1.7	53
167	Mutant N-RAS Protects Colorectal Cancer Cells from Stress-Induced Apoptosis and Contributes to Cancer Development and Progression. Cancer Discovery, 2013, 3, 294-307.	7.7	53
168	Involvement of Fibroblast Growth Factor Receptor 2 Isoform Switching in Mammary Oncogenesis. Molecular Cancer Research, 2008, 6, 435-445.	1.5	51
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