

Channing J Der

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310
papers

36,455
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94
h-index

186
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408
ext. papers

40,113
ext. citations

9.6
avg, IF

7.29
L-index

#	Paper	IF	Citations
310	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
309	GEF means go: turning on RHO GTPases with guanine nucleotide-exchange factors. <i>Nature Reviews Molecular Cell Biology</i> , 2005 , 6, 167-80	48.7	1316
308	Drugging the undruggable RAS: Mission possible?. <i>Nature Reviews Drug Discovery</i> , 2014 , 13, 828-51	64.1	1081
307	The Ras superfamily at a glance. <i>Journal of Cell Science</i> , 2005 , 118, 843-6	5.3	991
306	Increasing complexity of Ras signaling. <i>Oncogene</i> , 1998 , 17, 1395-413	9.2	903
305	Understanding Ras: It ain't over 'til it's over. <i>Trends in Cell Biology</i> , 2000 , 10, 147-54	18.3	682
304	Cdc42 and Rac1 induce integrin-mediated cell motility and invasiveness through PI(3)K. <i>Nature</i> , 1997 , 390, 632-6	50.4	640
303	BCR-ABL-induced oncogenesis is mediated by direct interaction with the SH2 domain of the GRB-2 adaptor protein. <i>Cell</i> , 1993 , 75, 175-185	56.2	576
302	Ras superfamily GEFs and GAPs: validated and tractable targets for cancer therapy?. <i>Nature Reviews Cancer</i> , 2010 , 10, 842-57	31.3	529
301	Requirement of NF-kappaB activation to suppress p53-independent apoptosis induced by oncogenic Ras. <i>Science</i> , 1997 , 278, 1812-5	33.3	494
300	Biological and biochemical properties of human rasH genes mutated at codon 61. <i>Cell</i> , 1986 , 44, 167-76	56.2	481
299	Rho-family GTPases: it's not only Rac and Rho (and I like it). <i>Journal of Cell Science</i> , 2004 , 117, 1301-12	5.3	469
298	Ras history: The saga continues. <i>Small GTPases</i> , 2010 , 1, 2-27	2.7	457
297	Increasing complexity of the Ras signaling pathway. <i>Journal of Biological Chemistry</i> , 1998 , 273, 19925-8	5.4	438
296	ROCK-generated contractility regulates breast epithelial cell differentiation in response to the physical properties of a three-dimensional collagen matrix. <i>Journal of Cell Biology</i> , 2003 , 163, 583-95	7.3	424
295	KRAS: feeding pancreatic cancer proliferation. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 91-100	10.3	422
294	RAS isoforms and mutations in cancer at a glance. <i>Journal of Cell Science</i> , 2016 , 129, 1287-92	5.3	397

293	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. <i>Journal of Biological Chemistry</i> , 1996 , 271, 6497-501	5.4	368
292	Functional independence of the epidermal growth factor receptor from a domain required for ligand-induced internalization and calcium regulation. <i>Cell</i> , 1989 , 59, 33-43	56.2	367
291	The dark side of Ras: regulation of apoptosis. <i>Oncogene</i> , 2003 , 22, 8999-9006	9.2	354
290	The Ras branch of small GTPases: Ras family members don't fall far from the tree. <i>Current Opinion in Cell Biology</i> , 2000 , 12, 157-65	9	350
289	Distinct requirements for Ras oncogenesis in human versus mouse cells. <i>Genes and Development</i> , 2002 , 16, 2045-57	12.6	340
288	Rho family proteins and Ras transformation: the RHOad less traveled gets congested. <i>Oncogene</i> , 1998 , 17, 1415-38	9.2	316
287	The Ras signal transduction pathway. <i>Cancer and Metastasis Reviews</i> , 1994 , 13, 67-89	9.6	315
286	Oncogenic Ha-Ras-induced signaling activates NF-kappaB transcriptional activity, which is required for cellular transformation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 24113-6	5.4	308
285	Inhibition of Ras for cancer treatment: the search continues. <i>Future Medicinal Chemistry</i> , 2011 , 3, 1787-808	8.8	296
284	KRAS: The Critical Driver and Therapeutic Target for Pancreatic Cancer. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018 , 8,	5.4	296
283	Activation of RalA is critical for Ras-induced tumorigenesis of human cells. <i>Cancer Cell</i> , 2005 , 7, 533-45	24.3	291
282	Honokiol, a small molecular weight natural product, inhibits angiogenesis in vitro and tumor growth in vivo. <i>Journal of Biological Chemistry</i> , 2003 , 278, 35501-7	5.4	288
281	The Nf2 tumor suppressor, merlin, functions in Rac-dependent signaling. <i>Developmental Cell</i> , 2001 , 1, 63-72	10.2	288
280	Inhibiting farnesylation of progerin prevents the characteristic nuclear blebbing of Hutchinson-Gilford progeria syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12879-84	11.5	285
279	Signaling interplay in Ras superfamily function. <i>Current Biology</i> , 2005 , 15, R563-74	6.3	284
278	Ras CAAX peptidomimetic FTI-277 selectively blocks oncogenic Ras signaling by inducing cytoplasmic accumulation of inactive Ras-Raf complexes. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26802-6	5.4	283
277	Combination of ERK and autophagy inhibition as a treatment approach for pancreatic cancer. <i>Nature Medicine</i> , 2019 , 25, 628-640	50.5	281
276	The coupling of alpha6beta4 integrin to Ras-MAP kinase pathways mediated by Shc controls keratinocyte proliferation. <i>EMBO Journal</i> , 1997 , 16, 2365-75	13	270

275	Renewing the conspiracy theory debate: does Raf function alone to mediate Ras oncogenesis?. <i>Trends in Cell Biology</i> , 2004 , 14, 639-47	18.3	258
274	Tiam1 mediates Ras activation of Rac by a PI(3)K-independent mechanism. <i>Nature Cell Biology</i> , 2002 , 4, 621-5	23.4	258
273	Ras and Rho regulation of the cell cycle and oncogenesis. <i>Cancer Letters</i> , 2001 , 171, 1-10	9.9	252
272	Targeting RAS Membrane Association: Back to the Future for Anti-RAS Drug Discovery?. <i>Clinical Cancer Research</i> , 2015 , 21, 1819-27	12.9	236
271	Integration of Rac-dependent regulation of cyclin D1 transcription through a nuclear factor-kappaB-dependent pathway. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25245-9	5.4	236
270	Specificity and mechanism of action of EHT 1864, a novel small molecule inhibitor of Rac family small GTPases. <i>Journal of Biological Chemistry</i> , 2007 , 282, 35666-78	5.4	231
269	Rho Family GTPase modification and dependence on CAAX motif-signaled posttranslational modification. <i>Journal of Biological Chemistry</i> , 2008 , 283, 25150-25163	5.4	228
268	Role of a mitogen-activated protein kinase pathway in the induction of phase II detoxifying enzymes by chemicals. <i>Journal of Biological Chemistry</i> , 1999 , 274, 27545-52	5.4	221
267	Oncogenic Ras and its role in tumor cell invasion and metastasis. <i>Seminars in Cancer Biology</i> , 2004 , 14, 105-14	12.7	219
266	Personalized medicine in non-small-cell lung cancer: is KRAS a useful marker in selecting patients for epidermal growth factor receptor-targeted therapy?. <i>Journal of Clinical Oncology</i> , 2010 , 28, 4769-77	2.2	214
265	Vav2 is an activator of Cdc42, Rac1, and RhoA. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10141-9	5.4	208
264	Drugging RAS: Know the enemy. <i>Science</i> , 2017 , 355, 1158-1163	33.3	207
263	Regulation of RasGRP via a phorbol ester-responsive C1 domain. <i>Molecular and Cellular Biology</i> , 1998 , 18, 6995-7008	4.8	205
262	Rnd proteins function as RhoA antagonists by activating p190 RhoGAP. <i>Current Biology</i> , 2003 , 13, 1106-16	6.3	198
261	Ligand-dependent dynamics and intramolecular signaling in a PDZ domain. <i>Journal of Molecular Biology</i> , 2004 , 335, 1105-15	6.5	193
260	Emerging concepts in the Ras superfamily of GTP-binding proteins. <i>FASEB Journal</i> , 1993 , 7, 750-9	0.9	191
259	Divergent roles for RalA and RalB in malignant growth of human pancreatic carcinoma cells. <i>Current Biology</i> , 2006 , 16, 2385-94	6.3	186
258	Guanine nucleotide exchange factors: activators of the Ras superfamily of proteins. <i>BioEssays</i> , 1995 , 17, 395-404	4.1	185

257	Two distinct Raf domains mediate interaction with Ras. <i>Journal of Biological Chemistry</i> , 1995 , 270, 9809-14	124	181
256	Aberrant function of the Ras signal transduction pathway in human breast cancer. <i>Breast Cancer Research and Treatment</i> , 1995 , 35, 133-44	4-4	176
255	K-Ras promotes growth transformation and invasion of immortalized human pancreatic cells by Raf and phosphatidylinositol 3-kinase signaling. <i>Cancer Research</i> , 2007 , 67, 2098-106	10.1	173
254	Structural basis for the selective activation of Rho GTPases by Dbl exchange factors. <i>Nature Structural Biology</i> , 2002 , 9, 468-75		172
253	Involvement of Ras activation in human breast cancer cell signaling, invasion, and anoikis. <i>Cancer Research</i> , 2004 , 64, 4585-92	10.1	171
252	Biological assays for Ras transformation. <i>Methods in Enzymology</i> , 1995 , 255, 395-412	1.7	168
251	Ras family signaling: therapeutic targeting. <i>Cancer Biology and Therapy</i> , 2002 , 1, 599-606	4.6	167
250	A six-gene signature predicts survival of patients with localized pancreatic ductal adenocarcinoma. <i>PLoS Medicine</i> , 2010 , 7, e1000307	11.6	163
249	Leukemia-associated Rho guanine nucleotide exchange factor promotes G alpha q-coupled activation of RhoA. <i>Molecular and Cellular Biology</i> , 2002 , 22, 4053-61	4.8	154
248	Integrin-mediated activation of MEK and mitogen-activated protein kinase is independent of Ras [corrected]. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18122-7	5.4	152
247	Altered gene products are associated with activation of cellular rasK genes in human lung and colon carcinomas. <i>Cell</i> , 1983 , 32, 201-8	56.2	152
246	Splice variants of intersectin are components of the endocytic machinery in neurons and nonneuronal cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15671-7	5.4	151
245	Rac1b, a tumor associated, constitutively active Rac1 splice variant, promotes cellular transformation. <i>Oncogene</i> , 2004 , 23, 9369-80	9.2	146
244	Opinion: Searching for the elusive targets of farnesyltransferase inhibitors. <i>Nature Reviews Cancer</i> , 2003 , 3, 945-51	31.3	146
243	Long-Term ERK Inhibition in KRAS-Mutant Pancreatic Cancer Is Associated with MYC Degradation and Senescence-like Growth Suppression. <i>Cancer Cell</i> , 2016 , 29, 75-89	24.3	145
242	The Ras-related protein Rheb is farnesylated and antagonizes Ras signaling and transformation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 10608-15	5.4	140
241	Activation of ras genes in human tumors does not affect localization, modification, or nucleotide binding properties of p21. <i>Cell</i> , 1984 , 37, 151-8	56.2	137
240	Increasing complexity of Ras signal transduction: involvement of Rho family proteins. <i>Advances in Cancer Research</i> , 1998 , 72, 57-107	5.9	133

239	The G12 family of heterotrimeric G proteins promotes breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8173-8	11.5	133
238	P-Rex1 is required for efficient melanoblast migration and melanoma metastasis. <i>Nature Communications</i> , 2011 , 2, 555	17.4	132
237	KRAS/BRAF mutation status and ERK1/2 activation as biomarkers for MEK1/2 inhibitor therapy in colorectal cancer. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 834-43	6.1	127
236	Ras interaction with two distinct binding domains in Raf-1 may be required for Ras transformation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 233-7	5.4	126
235	Isolation of a NCK-associated kinase, PRK2, an SH3-binding protein and potential effector of Rho protein signaling. <i>Journal of Biological Chemistry</i> , 1996 , 271, 28772-6	5.4	124
234	RERG is a novel ras-related, estrogen-regulated and growth-inhibitory gene in breast cancer. <i>Journal of Biological Chemistry</i> , 2001 , 276, 42259-67	5.4	120
233	Overexpression of collagenase 1 (MMP-1) is mediated by the ERK pathway in invasive melanoma cells: role of BRAF mutation and fibroblast growth factor signaling. <i>Journal of Biological Chemistry</i> , 2004 , 279, 33168-76	5.4	118
232	Dbl family proteins. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1997 , 1332, F1-23	11.2	112
231	Loss of transgelin in breast and colon tumors and in RIE-1 cells by Ras deregulation of gene expression through Raf-independent pathways. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9790-9	5.4	108
230	Farnesyltransferase inhibitors: promises and realities. <i>Current Opinion in Pharmacology</i> , 2002 , 2, 388-93	5.1	108
229	KRAS Mutant Pancreatic Cancer: No Lone Path to an Effective Treatment. <i>Cancers</i> , 2016 , 8,	6.6	106
228	14-3-3 zeta negatively regulates raf-1 activity by interactions with the Raf-1 cysteine-rich domain. <i>Journal of Biological Chemistry</i> , 1997 , 272, 20990-3	5.4	103
227	DLC-1 suppresses non-small cell lung cancer growth and invasion by RhoGAP-dependent and independent mechanisms. <i>Molecular Carcinogenesis</i> , 2008 , 47, 326-37	5	103
226	The thrombin receptor, PAR-1, causes transformation by activation of Rho-mediated signaling pathways. <i>Oncogene</i> , 2001 , 20, 1953-63	9.2	103
225	Oncogenic Ras blocks anoikis by activation of a novel effector pathway independent of phosphatidylinositol 3-kinase. <i>Molecular and Cellular Biology</i> , 2001 , 21, 5488-99	4.8	103
224	Oncogenic Neu/ErbB-2 increases ets, AP-1, and NF-kappaB-dependent gene expression, and inhibiting ets activation blocks Neu-mediated cellular transformation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 7992-8	5.4	102
223	Dependence of Dbl and Dbs transformation on MEK and NF-kappaB activation. <i>Molecular and Cellular Biology</i> , 1999 , 19, 7759-70	4.8	101
222	Leukemia-associated Rho guanine nucleotide exchange factor, a Dbl family protein found mutated in leukemia, causes transformation by activation of RhoA. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27145-51	5.4	100

221	XPLN, a guanine nucleotide exchange factor for RhoA and RhoB, but not RhoC. <i>Journal of Biological Chemistry</i> , 2002 , 277, 42964-72	5.4	99
220	ROCK1 and ROCK2 are required for non-small cell lung cancer anchorage-independent growth and invasion. <i>Cancer Research</i> , 2012 , 72, 5338-47	10.1	98
219	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. <i>Journal of Biological Chemistry</i> , 1999 , 274, 23850-7	5.4	97
218	Farnesyltransferase inhibitors and cancer treatment: targeting simply Ras?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1997 , 1333, F51-71	11.2	95
217	Persistent signaling by dysregulated thrombin receptor trafficking promotes breast carcinoma cell invasion. <i>Molecular and Cellular Biology</i> , 2004 , 24, 1990-9	4.8	94
216	Aurora-A phosphorylates, activates, and relocalizes the small GTPase RalA. <i>Molecular and Cellular Biology</i> , 2010 , 30, 508-23	4.8	91
215	A raf-independent epidermal growth factor receptor autocrine loop is necessary for Ras transformation of rat intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 18926-31	5.4	90
214	Ral and Rheb GTPase activating proteins integrate mTOR and GTPase signaling in aging, autophagy, and tumor cell invasion. <i>Molecular Cell</i> , 2014 , 53, 209-20	17.6	89
213	SGEF, a RhoG guanine nucleotide exchange factor that stimulates macropinocytosis. <i>Molecular Biology of the Cell</i> , 2004 , 15, 3309-19	3.5	89
212	RhoG signals in parallel with Rac1 and Cdc42. <i>Journal of Biological Chemistry</i> , 2002 , 277, 47810-7	5.4	89
211	RhoE is a pro-survival p53 target gene that inhibits ROCK I-mediated apoptosis in response to genotoxic stress. <i>Current Biology</i> , 2006 , 16, 2466-72	6.3	88
210	Stimulation of p38 phosphorylation and activity by arachidonic acid in HeLa cells, HL60 promyelocytic leukemic cells, and human neutrophils. Evidence for cell type-specific activation of mitogen-activated protein kinases. <i>Journal of Biological Chemistry</i> , 1998 , 273, 19277-82	5.4	87
209	GTP binding by class II transactivator: role in nuclear import. <i>Science</i> , 1999 , 285, 1402-5	33.3	87
208	Role of MAP kinases in the 1,25-dihydroxyvitamin D3-induced transactivation of the rat cytochrome P450C24 (CYP24) promoter. Specific functions for ERK1/ERK2 and ERK5. <i>Journal of Biological Chemistry</i> , 2002 , 277, 29643-53	5.4	86
207	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. <i>Journal of Biological Chemistry</i> , 2005 , 280, 23363-70	5.4	85
206	p120 GAP modulates Ras activation of Jun kinases and transformation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 1677-81	5.4	84
205	The RalGEF-Ral Effector Signaling Network: The Road Less Traveled for Anti-Ras Drug Discovery. <i>Genes and Cancer</i> , 2011 , 2, 275-87	2.9	83
204	Identification and characterization of an activating TrkA deletion mutation in acute myeloid leukemia. <i>Molecular and Cellular Biology</i> , 2000 , 20, 8655-66	4.8	83

203	Rho Family GTPases Regulate Mammary Epithelium Cell Growth and Metastasis Through Distinguishable Pathways. <i>Molecular Medicine</i> , 2001 , 7, 816-830	6.2	83
202	Biological assays for cellular transformation. <i>Methods in Enzymology</i> , 1994 , 238, 277-94	1.7	83
201	Cellular functions of TC10, a Rho Family GTPase: regulation of morphology, signal transduction and cell growth. <i>Oncogene</i> , 1999 , 18, 3831-45	9.2	82
200	Nitric oxide-releasing silica nanoparticle inhibition of ovarian cancer cell growth. <i>Molecular Pharmaceutics</i> , 2010 , 7, 775-85	5.6	81
199	Molecular basis for Rho GTPase signaling specificity. <i>Breast Cancer Research and Treatment</i> , 2004 , 84, 61-71	4.4	79
198	Activation of phospholipase C-epsilon by heterotrimeric G protein betagamma-subunits. <i>Journal of Biological Chemistry</i> , 2001 , 276, 48257-61	5.4	79
197	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. <i>Journal of Biological Chemistry</i> , 1998 , 273, 16739-47	5.4	79
196	Targeting -mutant cancers: is ERK the key?. <i>Trends in Cancer</i> , 2015 , 1, 183-198	12.5	78
195	Molecular basis for Rac1 recognition by guanine nucleotide exchange factors. <i>Nature Structural Biology</i> , 2001 , 8, 1037-41		78
194	Quantitative analysis of the effect of phosphoinositide interactions on the function of Dbl family proteins. <i>Journal of Biological Chemistry</i> , 2001 , 276, 45868-75	5.4	78
193	Elucidation of binding determinants and functional consequences of Ras/Raf-cysteine-rich domain interactions. <i>Journal of Biological Chemistry</i> , 2000 , 275, 22172-9	5.4	78
192	RasGRP4 is a novel Ras activator isolated from acute myeloid leukemia. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30508-14	5.4	77
191	Rho GTPase-dependent transformation by G protein-coupled receptors. <i>Oncogene</i> , 2001 , 20, 1547-55	9.2	76
190	Lack of extracellular signal-regulated kinase mitogen-activated protein kinase signaling shows a new type of melanoma. <i>Cancer Research</i> , 2007 , 67, 1502-12	10.1	75
189	Release of autoinhibition of ASEF by APC leads to CDC42 activation and tumor suppression. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 814-23	17.6	73
188	Characterization of EHT 1864, a novel small molecule inhibitor of Rac family small GTPases. <i>Methods in Enzymology</i> , 2008 , 439, 111-29	1.7	72
187	A tumor-specific membrane phosphoprotein marker in human cell hybrids. <i>Cell</i> , 1981 , 26, 429-38	56.2	72
186	Ral small GTPase signaling and oncogenesis: More than just 15minutes of fame. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2976-2988	4.9	71

185	KRAS Suppression-Induced Degradation of MYC Is Antagonized by a MEK5-ERK5 Compensatory Mechanism. <i>Cancer Cell</i> , 2018 , 34, 807-822.e7	24.3	71
184	The role of wild type RAS isoforms in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 58, 60-9	7.5	70
183	Expression cloning of lsc, a novel oncogene with structural similarities to the Dbl family of guanine nucleotide exchange factors. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18643-50	5.4	70
182	Atypical KRAS Mutant Is Impaired in PI3K Signaling and Macropinocytosis in Pancreatic Cancer. <i>Cancer Discovery</i> , 2020 , 10, 104-123	24.4	70
181	Ect2-Dependent rRNA Synthesis Is Required for KRAS-TRP53-Driven Lung Adenocarcinoma. <i>Cancer Cell</i> , 2017 , 31, 256-269	24.3	69
180	Mas oncogene signaling and transformation require the small GTP-binding protein Rac. <i>Molecular and Cellular Biology</i> , 1998 , 18, 1225-35	4.8	68
179	Lack of correlation between the decreased expression of cell surface LETS protein and tumorigenicity in human cell hybrids. <i>Cell</i> , 1978 , 15, 1241-51	56.2	68
178	Extracellular signal-regulated kinase (ERK) phosphorylates histone deacetylase 6 (HDAC6) at serine 1035 to stimulate cell migration. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33156-70	5.4	66
177	Geranylgeranyltransferase I inhibitors target RalB to inhibit anchorage-dependent growth and induce apoptosis and RalA to inhibit anchorage-independent growth. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8003-14	4.8	66
176	Atypical mechanism of regulation of the Wrch-1 Rho family small GTPase. <i>Current Biology</i> , 2004 , 14, 2052-6	5.6	66
175	Raf-independent deregulation of p38 and JNK mitogen-activated protein kinases are critical for Ras transformation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 31808-17	5.4	66
174	Guanine nucleotide exchange factors: activators of Ras superfamily proteins. <i>Molecular Reproduction and Development</i> , 1995 , 42, 468-76	2.6	65
173	Activation and involvement of Ral GTPases in colorectal cancer. <i>Cancer Research</i> , 2011 , 71, 206-15	10.1	64
172	Oncogenic activity of Ect2 is regulated through protein kinase C iota-mediated phosphorylation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8149-8157	5.4	64
171	Transforming activity of the Rho family GTPase, Wrch-1, a Wnt-regulated Cdc42 homolog, is dependent on a novel carboxyl-terminal palmitoylation motif. <i>Journal of Biological Chemistry</i> , 2005 , 280, 33055-65	5.4	63
170	Opposing roles of the extracellular signal-regulated kinase and p38 mitogen-activated protein kinase cascades in Ras-mediated downregulation of tropomyosin. <i>Molecular and Cellular Biology</i> , 2002 , 22, 2304-17	4.8	62
169	G2A is an oncogenic G protein-coupled receptor. <i>Oncogene</i> , 2000 , 19, 3866-77	9.2	62
168	K-Ras promotes angiogenesis mediated by immortalized human pancreatic epithelial cells through mitogen-activated protein kinase signaling pathways. <i>Molecular Cancer Research</i> , 2009 , 7, 799-808	6.6	61

167	Cellular N-Ras promotes cell survival by downregulation of Jun N-terminal protein kinase and p38. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1589-606	4.8	58
166	Identification and characterization of rain, a novel Ras-interacting protein with a unique subcellular localization. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22353-61	5.4	57
165	Identification of a novel RalGDS-related protein as a candidate effector for Ras and Rap1. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29903-8	5.4	57
164	CDC42 and FGD1 cause distinct signaling and transforming activities. <i>Molecular and Cellular Biology</i> , 1998 , 18, 4689-97	4.8	56
163	Interferon regulatory factor 7 is associated with Epstein-Barr virus-transformed central nervous system lymphoma and has oncogenic properties. <i>Journal of Virology</i> , 2004 , 78, 12987-95	6.6	54
162	TC21 and Ras share indistinguishable transforming and differentiating activities. <i>Oncogene</i> , 1999 , 18, 2107-16	9.2	54
161	Critical and distinct roles of amino- and carboxyl-terminal sequences in regulation of the biological activity of the Chp atypical Rho GTPase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 13784-92	5.4	53
160	Differential regulation of SHC proteins by nerve growth factor in sensory neurons and PC12 cells. <i>European Journal of Neuroscience</i> , 1998 , 10, 1995-2008	3.5	52
159	A non-farnesylated Ha-Ras protein can be palmitoylated and trigger potent differentiation and transformation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1423-31	5.4	51
158	Mutant N-RAS protects colorectal cancer cells from stress-induced apoptosis and contributes to cancer development and progression. <i>Cancer Discovery</i> , 2013 , 3, 294-307	24.4	50
157	The RalB small GTPase mediates formation of invadopodia through a GTPase-activating protein-independent function of the RalBP1/RLIP76 effector. <i>Molecular and Cellular Biology</i> , 2012 , 32, 1374-86	4.8	50
156	Regulation of Rnd3 localization and function by protein kinase C alpha-mediated phosphorylation. <i>Biochemical Journal</i> , 2009 , 424, 153-61	3.8	49
155	Computational design of chemogenetic and optogenetic split proteins. <i>Nature Communications</i> , 2018 , 9, 4042	17.4	49
154	Aberrant receptor internalization and enhanced FRS2-dependent signaling contribute to the transforming activity of the fibroblast growth factor receptor 2 IIIb C3 isoform. <i>Journal of Biological Chemistry</i> , 2009 , 284, 6227-40	5.4	47
153	R-Ras is regulated by activators and effectors distinct from those that control Ras function. <i>Oncogene</i> , 1997 , 14, 133-43	9.2	47
152	Differential contribution of the ERK and JNK mitogen-activated protein kinase cascades to Ras transformation of HT1080 fibrosarcoma and DLD-1 colon carcinoma cells. <i>Oncogene</i> , 1999 , 18, 1807-17	9.2	47
151	Ras, but not Src, transformation of RIE-1 epithelial cells is dependent on activation of the mitogen-activated protein kinase cascade. <i>Oncogene</i> , 1998 , 16, 2565-73	9.2	46
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