

David J Kwiatkowski

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430
papers

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121
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455
ext. papers

54,192
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
430	Identification of the tuberous sclerosis gene TSC1 on chromosome 9q34. <i>Science</i> , 1997 , 277, 805-8	33.3	1317
429	Mapping the hallmarks of lung adenocarcinoma with massively parallel sequencing. <i>Cell</i> , 2012 , 150, 1107-12	37.0	1304
428	Using multiplexed assays of oncogenic drivers in lung cancers to select targeted drugs. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 1998-2006	27.4	1042
427	Caspase-3-generated fragment of gelsolin: effector of morphological change in apoptosis. <i>Science</i> , 1997 , 278, 294-8	33.3	1020
426	Comprehensive Molecular Characterization of Muscle-Invasive Bladder Cancer. <i>Cell</i> , 2017 , 171, 540-556.e22	37.2	961
425	Tuberous sclerosis complex diagnostic criteria update: recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013 , 49, 243-54	2.9	916
424	LKB1 modulates lung cancer differentiation and metastasis. <i>Nature</i> , 2007 , 448, 807-10	50.4	774
423	Mutational analysis in a cohort of 224 tuberous sclerosis patients indicates increased severity of TSC2, compared with TSC1, disease in multiple organs. <i>American Journal of Human Genetics</i> , 2001 , 68, 64-80	11	716
422	Tuberous sclerosis complex-1 and -2 gene products function together to inhibit mammalian target of rapamycin (mTOR)-mediated downstream signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13571-6	11.5	661
421	Reversal of learning deficits in a Tsc2+/- mouse model of tuberous sclerosis. <i>Nature Medicine</i> , 2008 , 14, 843-8	50.5	656
420	Molecular testing guideline for selection of lung cancer patients for EGFR and ALK tyrosine kinase inhibitors: guideline from the College of American Pathologists, International Association for the Study of Lung Cancer, and Association for Molecular Pathology. <i>Journal of Thoracic Oncology</i> , 2013 , 8, 823-59	8.9	632
419	Distinct patterns of somatic genome alterations in lung adenocarcinomas and squamous cell carcinomas. <i>Nature Genetics</i> , 2016 , 48, 607-16	36.3	613
418	Tuberous sclerosis complex surveillance and management: recommendations of the 2012 International Tuberous Sclerosis Complex Consensus Conference. <i>Pediatric Neurology</i> , 2013 , 49, 255-65	2.9	553
417	The somatic genomic landscape of chromophobe renal cell carcinoma. <i>Cancer Cell</i> , 2014 , 26, 319-330	24.3	521
416	Nonmuscle actin-binding proteins. <i>Annual Review of Cell Biology</i> , 1985 , 1, 353-402		510
415	Actin-binding protein requirement for cortical stability and efficient locomotion. <i>Science</i> , 1992 , 255, 325-7	33.3	498
414	A mouse model of TSC1 reveals sex-dependent lethality from liver hemangiomas, and up-regulation of p70S6 kinase activity in Tsc1 null cells. <i>Human Molecular Genetics</i> , 2002 , 11, 525-34	5.6	489

413	Assignment of a locus for familial melanoma, MLM, to chromosome 9p13-p22. <i>Science</i> , 1992 , 258, 1148-52,3	52.3	456
412	Plasma and cytoplasmic gelsolins are encoded by a single gene and contain a duplicated actin-binding domain. <i>Nature</i> , 1986 , 323, 455-8	50.4	452
411	Human endothelial actin-binding protein (ABP-280, nonmuscle filamin): a molecular leaf spring. <i>Journal of Cell Biology</i> , 1990 , 111, 1089-105	7.3	441
410	Hematopoietic cell regulation by Rac1 and Rac2 guanosine triphosphatases. <i>Science</i> , 2003 , 302, 445-9	33.3	414
409	Mammalian target of rapamycin up-regulation of pyruvate kinase isoenzyme type M2 is critical for aerobic glycolysis and tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4129-34	11.5	411
408	TBC1D7 is a third subunit of the TSC1-TSC2 complex upstream of mTORC1. <i>Molecular Cell</i> , 2012 , 47, 535-46	4.6	403
407	Akt stimulates hepatic SREBP1c and lipogenesis through parallel mTORC1-dependent and independent pathways. <i>Cell Metabolism</i> , 2011 , 14, 21-32	24.6	395
406	Response of a neuronal model of tuberous sclerosis to mammalian target of rapamycin (mTOR) inhibitors: effects on mTORC1 and Akt signaling lead to improved survival and function. <i>Journal of Neuroscience</i> , 2008 , 28, 5422-32	6.6	395
405	Loss of Tsc1/Tsc2 activates mTOR and disrupts PI3K-Akt signaling through downregulation of PDGFR. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1223-1233	15.9	393
404	Regulation of neuronal morphology and function by the tumor suppressors Tsc1 and Tsc2. <i>Nature Neuroscience</i> , 2005 , 8, 1727-34	25.5	388
403	Hemostatic, inflammatory, and fibroblast responses are blunted in mice lacking gelsolin. <i>Cell</i> , 1995 , 81, 41-51	56.2	387
402	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2181-96	15.9	383
401	Rapid turnover of actin in dendritic spines and its regulation by activity. <i>Nature Neuroscience</i> , 2002 , 5, 239-46	25.5	382
400	A mouse model of tuberous sclerosis: neuronal loss of Tsc1 causes dysplastic and ectopic neurons, reduced myelination, seizure activity, and limited survival. <i>Journal of Neuroscience</i> , 2007 , 27, 5546-58	6.6	347
399	Rhebbing up mTOR: new insights on TSC1 and TSC2, and the pathogenesis of tuberous sclerosis. <i>Cancer Biology and Therapy</i> , 2003 , 2, 471-6	4.6	344
398	Mena is required for neurulation and commissure formation. <i>Neuron</i> , 1999 , 22, 313-25	13.9	344
397	Assessment of Resistance Mechanisms and Clinical Implications in Patients With EGFR T790M-Positive Lung Cancer and Acquired Resistance to Osimertinib. <i>JAMA Oncology</i> , 2018 , 4, 1527-1534	13.4	342
396	Molecular testing guideline for selection of lung cancer patients for EGFR and ALK tyrosine kinase inhibitors: guideline from the College of American Pathologists, International Association for the Study of Lung Cancer, and Association for Molecular Pathology. <i>Journal of Molecular Diagnostics</i> , 2013 , 15, 415-53	5.1	340

395	Tuberin regulates p70 S6 kinase activation and ribosomal protein S6 phosphorylation. A role for the TSC2 tumor suppressor gene in pulmonary lymphangiomyomatosis (LAM). <i>Journal of Biological Chemistry</i> , 2002 , 277, 30958-67	5.4	334
394	Functions of gelsolin: motility, signaling, apoptosis, cancer. <i>Current Opinion in Cell Biology</i> , 1999 , 11, 103-8	3	326
393	Tuberous sclerosis: a GAP at the crossroads of multiple signaling pathways. <i>Human Molecular Genetics</i> , 2005 , 14 Spec No. 2, R251-8	5.6	310
392	A Consensus Molecular Classification of Muscle-invasive Bladder Cancer. <i>European Urology</i> , 2020 , 77, 420-433	10.2	309
391	Clinical activity of mTOR inhibition with sirolimus in malignant perivascular epithelioid cell tumors: targeting the pathogenic activation of mTORC1 in tumors. <i>Journal of Clinical Oncology</i> , 2010 , 28, 835-40	2.2	297
390	The Cancer Genome Atlas Comprehensive Molecular Characterization of Renal Cell Carcinoma. <i>Cell Reports</i> , 2018 , 23, 313-326.e5	10.6	295
389	Astrocyte-specific TSC1 conditional knockout mice exhibit abnormal neuronal organization and seizures. <i>Annals of Neurology</i> , 2002 , 52, 285-96	9.4	292
388	Tsc2(+/-) mice develop tumors in multiple sites that express gelsolin and are influenced by genetic background. <i>Journal of Clinical Investigation</i> , 1999 , 104, 687-95	15.9	290
387	Molecular genetic advances in tuberous sclerosis. <i>Human Genetics</i> , 2000 , 107, 97-114	6.3	287
386	A Pan-Cancer Proteogenomic Atlas of PI3K/AKT/mTOR Pathway Alterations. <i>Cancer Cell</i> , 2017 , 31, 820-832.e3	17.3	286
385	Linkage of an important gene locus for tuberous sclerosis to a chromosome 16 marker for polycystic kidney disease. <i>Nature Genetics</i> , 1992 , 2, 37-41	36.3	283
384	Enhanced motility in NIH 3T3 fibroblasts that overexpress gelsolin. <i>Science</i> , 1991 , 251, 1233-6	33.3	282
383	PDGFRs are critical for PI3K/Akt activation and negatively regulated by mTOR. <i>Journal of Clinical Investigation</i> , 2007 , 117, 730-8	15.9	280
382	Tuberous sclerosis: from tubers to mTOR. <i>Annals of Human Genetics</i> , 2003 , 67, 87-96	2.2	279
381	Loci related to metabolic-syndrome pathways including LEPR, HNF1A, IL6R, and GCKR associate with plasma C-reactive protein: the Women's Genome Health Study. <i>American Journal of Human Genetics</i> , 2008 , 82, 1185-92	11	273
380	Loss of Tsc1/Tsc2 activates mTOR and disrupts PI3K-Akt signaling through downregulation of PDGFR. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1223-33	15.9	268
379	Perivascular epithelioid cell neoplasms: pathology and pathogenesis. <i>Human Pathology</i> , 2010 , 41, 1-15	3.7	264
378	Actin-binding proteins. <i>Current Opinion in Cell Biology</i> , 1991 , 3, 87-97	9	260

377	Integrative Molecular Characterization of Malignant Pleural Mesothelioma. <i>Cancer Discovery</i> , 2018 , 8, 1548-1565	24.4	258
376	Rac1 deletion in mouse neutrophils has selective effects on neutrophil functions. <i>Journal of Immunology</i> , 2003 , 170, 5652-7	5.3	251
375	Institutional implementation of clinical tumor profiling on an unselected cancer population. <i>JCI Insight</i> , 2016 , 1, e87062	9.9	245
374	Multi-institutional Oncogenic Driver Mutation Analysis in Lung Adenocarcinoma: The Lung Cancer Mutation Consortium Experience. <i>Journal of Thoracic Oncology</i> , 2015 , 10, 768-777	8.9	242
373	Updated Molecular Testing Guideline for the Selection of Lung Cancer Patients for Treatment With Targeted Tyrosine Kinase Inhibitors: Guideline From the College of American Pathologists, the International Association for the Study of Lung Cancer, and the Association for Molecular Pathology. <i>Journal of Thoracic Oncology</i> , 2018 , 13, 323-358	8.9	241
372	An APOBEC3A hypermutation signature is distinguishable from the signature of background mutagenesis by APOBEC3B in human cancers. <i>Nature Genetics</i> , 2015 , 47, 1067-72	36.3	238
371	Somatic ERCC2 mutations are associated with a distinct genomic signature in urothelial tumors. <i>Nature Genetics</i> , 2016 , 48, 600-606	36.3	238
370	Response and acquired resistance to everolimus in anaplastic thyroid cancer. <i>New England Journal of Medicine</i> , 2014 , 371, 1426-33	59.2	237
369	Multilevel Genomics-Based Taxonomy of Renal Cell Carcinoma. <i>Cell Reports</i> , 2016 , 14, 2476-89	10.6	228
368	Requirement of Rac1 in the development of cardiac hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7432-7	11.5	227
367	The actin-severing protein gelsolin modulates calcium channel and NMDA receptor activities and vulnerability to excitotoxicity in hippocampal neurons. <i>Journal of Neuroscience</i> , 1997 , 17, 8178-86	6.6	226
366	Coordinated regulation of protein synthesis and degradation by mTORC1. <i>Nature</i> , 2014 , 513, 440-3	50.4	224
365	Mutational and radiographic analysis of pulmonary disease consistent with lymphangioleiomyomatosis and micronodular pneumocyte hyperplasia in women with tuberous sclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 661-8	10.2	224
364	Filamin A (FLNA) is required for cell-cell contact in vascular development and cardiac morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19836-41	11.5	222
363	Two loci for tuberous sclerosis: one on 9q34 and one on 16p13. <i>Annals of Human Genetics</i> , 1994 , 58, 107-27		222
362	Gelsolin deficiency blocks podosome assembly and produces increased bone mass and strength. <i>Journal of Cell Biology</i> , 2000 , 148, 665-78	7.3	220
361	Gelsolin is a downstream effector of rac for fibroblast motility. <i>EMBO Journal</i> , 1998 , 17, 1362-70	13	211
360	Allelic loss is frequent in tuberous sclerosis kidney lesions but rare in brain lesions. <i>American Journal of Human Genetics</i> , 1996 , 59, 400-6	11	209

359	Human gene for torsion dystonia located on chromosome 9q32-q34. <i>Neuron</i> , 1989 , 2, 1427-34	13.9	207
358	mTOR-raptor binds and activates SGK1 to regulate p27 phosphorylation. <i>Molecular Cell</i> , 2008 , 30, 701-11	17.6	206
357	Pathogenesis of tuberous sclerosis subependymal giant cell astrocytomas: biallelic inactivation of TSC1 or TSC2 leads to mTOR activation. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004 , 63, 1236-42	3.1	206
356	Loss of heterozygosity in the tuberous sclerosis (TSC2) region of chromosome band 16p13 occurs in sporadic as well as TSC-associated renal angiomyolipomas. <i>Genes Chromosomes and Cancer</i> , 1995 , 13, 295-8	5	206
355	Tuberous sclerosis complex proteins control axon formation. <i>Genes and Development</i> , 2008 , 22, 2485-95	12.6	201
354	Feedback inhibition of Akt signaling limits the growth of tumors lacking Tsc2. <i>Genes and Development</i> , 2005 , 19, 1773-8	12.6	201
353	Somatic LKB1 mutations promote cervical cancer progression. <i>PLoS ONE</i> , 2009 , 4, e5137	3.7	195
352	Profilin I is essential for cell survival and cell division in early mouse development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 3832-6	11.5	188
351	Association of common CRP gene variants with CRP levels and cardiovascular events. <i>Annals of Human Genetics</i> , 2005 , 69, 623-38	2.2	187
350	EGF receptor regulation of cell motility: EGF induces disassembly of focal adhesions independently of the motility-associated PLCgamma signaling pathway. <i>Journal of Cell Science</i> , 1998 , 111, 615-624	5.3	186
349	Amplification of EGFR T790M causes resistance to an irreversible EGFR inhibitor. <i>Oncogene</i> , 2010 , 29, 2346-56	9.2	185
348	An efficient and versatile system for acute and chronic modulation of renal tubular function in transgenic mice. <i>Nature Medicine</i> , 2008 , 14, 979-84	50.5	184
347	Identification of critical functional and regulatory domains in gelsolin. <i>Journal of Cell Biology</i> , 1989 , 108, 1717-26	7.3	184
346	Mammalian target of rapamycin pathway mutations cause hemimegalencephaly and focal cortical dysplasia. <i>Annals of Neurology</i> , 2015 , 77, 720-5	9.4	183
345	Single-nucleotide polymorphisms in the Toll-like receptor 9 gene (TLR9): frequencies, pairwise linkage disequilibrium, and haplotypes in three U.S. ethnic groups and exploratory case-control disease association studies. <i>Genomics</i> , 2003 , 81, 85-91	4.3	183
344	Mammalian target of rapamycin regulates murine and human cell differentiation through STAT3/p63/Jagged/Notch cascade. <i>Journal of Clinical Investigation</i> , 2010 , 120, 103-14	15.9	177
343	The transforming growth factor-beta1 (TGFB1) gene is associated with chronic obstructive pulmonary disease (COPD). <i>Human Molecular Genetics</i> , 2004 , 13, 1649-56	5.6	176
342	Cdc42 is required for PIP(2)-induced actin polymerization and early development but not for cell viability. <i>Current Biology</i> , 2000 , 10, 758-65	6.3	174

341	Mutation in TSC2 and activation of mammalian target of rapamycin signalling pathway in renal angiomyolipoma. <i>Lancet, The</i> , 2003 , 361, 1348-9	4.0	173
340	mTORC1-dependent and -independent regulation of stem cell renewal, differentiation, and mobilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19384-9	11.5	172
339	Increased AKT S473 phosphorylation after mTORC1 inhibition is rictor dependent and does not predict tumor cell response to PI3K/mTOR inhibition. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 742-53	6.1	170
338	Updated Molecular Testing Guideline for the Selection of Lung Cancer Patients for Treatment With Targeted Tyrosine Kinase Inhibitors: Guideline From the College of American Pathologists, the International Association for the Study of Lung Cancer, and the Association for Molecular Pathology. <i>Journal of Molecular Diagnostics</i> , 2018 , 20, 129-159	5.1	165
337	Construction of a GT polymorphism map of human 9q. <i>Genomics</i> , 1992 , 12, 229-40	4.3	165
336	Tumorigenesis in tuberous sclerosis complex is autophagy and p62/sequestosome 1 (SQSTM1)-dependent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12455-60	11.5	159
335	Survey of somatic mutations in tuberous sclerosis complex (TSC) hamartomas suggests different genetic mechanisms for pathogenesis of TSC lesions. <i>American Journal of Human Genetics</i> , 2001 , 69, 493-503	11	159
334	Tuberous sclerosis-associated renal cell carcinoma. Clinical, pathological, and genetic features. <i>American Journal of Pathology</i> , 1996 , 149, 1201-8	5.8	159
333	Attempted replication of reported chronic obstructive pulmonary disease candidate gene associations. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 33, 71-8	5.7	155
332	Genomic organization and biosynthesis of secreted and cytoplasmic forms of gelsolin. <i>Journal of Cell Biology</i> , 1988 , 106, 375-84	7.3	152
331	Mutations in TSC1, TSC2, and MTOR Are Associated with Response to Rapalogs in Patients with Metastatic Renal Cell Carcinoma. <i>Clinical Cancer Research</i> , 2016 , 22, 2445-2452	12.9	150
330	Critical role for hypothalamic mTOR activity in energy balance. <i>Cell Metabolism</i> , 2009 , 9, 362-74	24.6	150
329	Single nucleotide polymorphisms in innate immunity genes: abundant variation and potential role in complex human disease. <i>Immunological Reviews</i> , 2002 , 190, 9-25	11.3	150
328	Genomewide linkage analysis of quantitative spirometric phenotypes in severe early-onset chronic obstructive pulmonary disease. <i>American Journal of Human Genetics</i> , 2002 , 70, 1229-39	11	149
327	Renal cell carcinoma in tuberous sclerosis complex. <i>American Journal of Surgical Pathology</i> , 2014 , 38, 895-909	6.7	147
326	Molecular pathologic substaging in 244 stage I non-small-cell lung cancer patients: clinical implications. <i>Journal of Clinical Oncology</i> , 1998 , 16, 2468-77	2.2	147
325	Efficacy of a rapamycin analog (CCI-779) and IFN-gamma in tuberous sclerosis mouse models. <i>Genes Chromosomes and Cancer</i> , 2005 , 42, 213-27	5	146
324	Somatic Mutations Activating the mTOR Pathway in Dorsal Telencephalic Progenitors Cause a Continuum of Cortical Dysplasias. <i>Cell Reports</i> , 2017 , 21, 3754-3766	10.6	143

323	Identification of 54 large deletions/duplications in TSC1 and TSC2 using MLPA, and genotype-phenotype correlations. <i>Human Genetics</i> , 2007 , 121, 389-400	6.3	143
322	Mosaic and Intronic Mutations in TSC1/TSC2 Explain the Majority of TSC Patients with No Mutation Identified by Conventional Testing. <i>PLoS Genetics</i> , 2015 , 11, e1005637	6	142
321	Suppression of tumorigenicity in simian virus 40-transformed 3T3 cells transfected with alpha-actinin cDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 383-7	11.5	142
320	Polymorphisms in toll-like receptor 4 are not associated with asthma or atopy-related phenotypes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 1449-56	10.2	138
319	Structure and biosynthesis of cytoplasmic and secreted variants of gelsolin. <i>Journal of Biological Chemistry</i> , 1984 , 259, 5271-6	5.4	136
318	Regulation of YAP by mTOR and autophagy reveals a therapeutic target of tuberous sclerosis complex. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2249-63	16.6	134
317	Coordinated regulation of platelet actin filament barbed ends by gelsolin and capping protein. <i>Journal of Cell Biology</i> , 1996 , 134, 389-99	7.3	133
316	Tuberous sclerosis complex activity is required to control neuronal stress responses in an mTOR-dependent manner. <i>Journal of Neuroscience</i> , 2009 , 29, 5926-37	6.6	132
315	Chronic activation of mTOR complex 1 is sufficient to cause hepatocellular carcinoma in mice. <i>Science Signaling</i> , 2012 , 5, ra24	8.8	129
314	Regulable neural progenitor-specific Tsc1 loss yields giant cells with organellar dysfunction in a model of tuberous sclerosis complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1070-9	11.5	129
313	Molecular and pathologic markers in stage I non-small-cell carcinoma of the lung. <i>Journal of Clinical Oncology</i> , 1995 , 13, 1265-79	2.2	122
312	Neuroprotective effects of gelsolin during murine stroke. <i>Journal of Clinical Investigation</i> , 1999 , 103, 347-54	15.9	122
311	Comparisons of CapG and gelsolin-null macrophages: demonstration of a unique role for CapG in receptor-mediated ruffling, phagocytosis, and vesicle rocketing. <i>Journal of Cell Biology</i> , 2001 , 154, 775-84	7.3	121
310	Delayed retraction of filopodia in gelsolin null mice. <i>Journal of Cell Biology</i> , 1997 , 138, 1279-87	7.3	120
309	Dystonia gene in Ashkenazi Jewish population is located on chromosome 9q32-34. <i>Annals of Neurology</i> , 1990 , 27, 114-20	9.4	117
308	Loss of Tsc1 or Tsc2 induces vascular endothelial growth factor production through mammalian target of rapamycin. <i>Cancer Research</i> , 2003 , 63, 5173-7	10.1	114
307	FoxOs enforce a progression checkpoint to constrain mTORC1-activated renal tumorigenesis. <i>Cancer Cell</i> , 2010 , 18, 472-84	24.3	112
306	TOLL-like receptor 10 genetic variation is associated with asthma in two independent samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 170, 594-600	10.2	112

305	Family-based association analysis of beta2-adrenergic receptor polymorphisms in the childhood asthma management program. <i>Journal of Allergy and Clinical Immunology</i> , 2003 , 112, 870-6	11.5	110
304	Loss of tuberin in both subependymal giant cell astrocytomas and angiomyolipomas supports a two-hit model for the pathogenesis of tuberous sclerosis tumors. <i>American Journal of Pathology</i> , 1997 , 151, 1639-47	5.8	110
303	Catalytic asymmetric allylation of ketones and a tandem asymmetric allylation/diastereoselective epoxidation of cyclic enones. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12580-5	16.4	109
302	Muscle is the major source of plasma gelsolin. <i>Journal of Biological Chemistry</i> , 1988 , 263, 8239-43	5.4	109
301	Clinical and genotype studies of cardiac tumors in 154 patients with tuberous sclerosis complex. <i>Pediatrics</i> , 2006 , 118, e1146-51	7.4	107
300	Are variants in the CAPN10 gene related to risk of type 2 diabetes? A quantitative assessment of population and family-based association studies. <i>American Journal of Human Genetics</i> , 2004 , 74, 208-22	11	106
299	Genetic loci associated with plasma concentration of low-density lipoprotein cholesterol, high-density lipoprotein cholesterol, triglycerides, apolipoprotein A1, and Apolipoprotein B among 6382 white women in genome-wide analysis with replication. <i>Circulation: Cardiovascular Genetics</i> , 2008 , 1, 21-30		103
298	Tsc2 null murine neuroepithelial cells are a model for human tuber giant cells, and show activation of an mTOR pathway. <i>Molecular and Cellular Neurosciences</i> , 2002 , 21, 561-74	4.8	102
297	ADAM33 polymorphisms and phenotype associations in childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2004 , 113, 1071-8	11.5	101
296	The Impact of Smoking and TP53 Mutations in Lung Adenocarcinoma Patients with Targetable Mutations-The Lung Cancer Mutation Consortium (LCMC2). <i>Clinical Cancer Research</i> , 2018 , 24, 1038-1047	12.9	100
295	Mosaicism in tuberous sclerosis as a potential cause of the failure of molecular diagnosis. <i>New England Journal of Medicine</i> , 1999 , 340, 703-7	59.2	98
294	Perivascular epithelioid cell tumors (PEComas) harboring TFE3 gene rearrangements lack the TSC2 alterations characteristic of conventional PEComas: further evidence for a biological distinction. <i>American Journal of Surgical Pathology</i> , 2012 , 36, 783-4	6.7	97
293	Superiority of denaturing high performance liquid chromatography over single-stranded conformation and conformation-sensitive gel electrophoresis for mutation detection in TSC2. <i>Annals of Human Genetics</i> , 1999 , 63, 383-91	2.2	96
292	Metabolic and functional genomic studies identify deoxythymidylate kinase as a target in LKB1-mutant lung cancer. <i>Cancer Discovery</i> , 2013 , 3, 870-9	24.4	93
291	Tuberous sclerosis gene 2 product modulates transcription mediated by steroid hormone receptor family members. <i>Journal of Biological Chemistry</i> , 1998 , 273, 20535-9	5.4	92
290	bcl-2 rearrangements in de novo diffuse large cell lymphoma. Association with distinctive clinical features. <i>Cancer</i> , 1993 , 72, 231-6	6.4	92
289	Extrarenal perivascular epithelioid cell tumors (PEComas) respond to mTOR inhibition: clinical and molecular correlates. <i>International Journal of Cancer</i> , 2013 , 132, 1711-7	7.5	91
288	Identification of driver mutations in tumor specimens from 1,000 patients with lung adenocarcinoma: The NCI Lung Cancer Mutation Consortium (LCMC).. <i>Journal of Clinical Oncology</i> , 2011 , 29, CRA7506-CRA7506	2.2	89

287	Association of profilin with filament-free regions of human leukocyte and platelet membranes and reversible membrane binding during platelet activation. <i>Journal of Cell Biology</i> , 1989 , 109, 1571-9	7.3	88
286	Strong allelic association between the torsion dystonia gene (DYT1) and loci on chromosome 9q34 in Ashkenazi Jews. <i>American Journal of Human Genetics</i> , 1992 , 50, 619-28	11	88
285	Caspase-3-induced gelsolin fragmentation contributes to actin cytoskeletal collapse, nucleolysis, and apoptosis of vascular smooth muscle cells exposed to proinflammatory cytokines. <i>European Journal of Cell Biology</i> , 1998 , 77, 294-302	6.1	86
284	Genome-wide linkage analysis of severe, early-onset chronic obstructive pulmonary disease: airflow obstruction and chronic bronchitis phenotypes. <i>Human Molecular Genetics</i> , 2002 , 11, 623-32	5.6	86
283	Invasive Bladder Cancer: Genomic Insights and Therapeutic Promise. <i>Clinical Cancer Research</i> , 2015 , 21, 4514-24	12.9	85
282	Utilization of a whole genome SNP panel for efficient genetic mapping in the mouse. <i>Genome Research</i> , 2006 , 16, 436-40	9.7	85
281	Analysis of TSC cortical tubers by deep sequencing of TSC1, TSC2 and KRAS demonstrates that small second-hit mutations in these genes are rare events. <i>Brain Pathology</i> , 2010 , 20, 1096-105	6	83
280	Gelsolin in complex with phosphatidylinositol 4,5-bisphosphate inhibits caspase-3 and -9 to retard apoptotic progression. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3761-6	5.4	83
279	Role of the Tsc1-Tsc2 complex in signaling and transport across the cell membrane in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Genetics</i> , 2002 , 161, 1053-63	4	82
278	Human complement factor I: analysis of cDNA-derived primary structure and assignment of its gene to chromosome 4. <i>Journal of Biological Chemistry</i> , 1987 , 262, 10065-71	5.4	81
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