Jakob Troppmair

List of Publications by Year
in descending order

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129 papers	6,626 citations	47 h-index	78 g-index
		47006	66911
131 all docs	131 docs citations	131 times ranked	7322 citing authors

#	Article	IF	Citations
1	Perfusate Enzymes and Platelets Indicate Early Allograft Dysfunction After Transplantation of Normothermically Preserved Livers. Transplantation, 2022, 106, 792-805.	1.0	25
2	Evidence of mitochondrial alterations in primary cardiac stromal cells from arrhythmogenic cardiomyopathy hearts. Cardiovascular Research, 2022, 118, .	3.8	0
3	Distal Pancreatic Resection with Splenectomy in the Rat: A Pancreatic Fistula Model to Investigate Postsurgical Damage?. European Surgical Research, 2021, 62, 97-104.	1.3	1
4	Different Background: Natural Killer Cell Profiles in Secondary versus Primary Recurrent Pregnancy Loss. Journal of Clinical Medicine, 2021, 10, 194.	2.4	14
5	Ex Vivo Mesenchymal Stem Cell Therapy to Regenerate Machine Perfused Organs. International Journal of Molecular Sciences, 2021, 22, 5233.	4.1	8
6	Cell-Based Regeneration and Treatment of Liver Diseases. International Journal of Molecular Sciences, 2021, 22, 10276.	4.1	12
7	New Sesterterpenoids from Salvia mirzayanii Rech.f. and Esfand. Stereochemical Characterization by Computational Electronic Circular Dichroism. Frontiers in Chemistry, 2021, 9, 783292.	3.6	2
8	Live Confocal Imaging as a Novel Tool to Assess Liver Quality: Insights From a Murine Model. Transplantation, 2020, 104, 2528-2537.	1.0	9
9	Mutation-oriented profiling of autoinhibitory kinase conformations predicts RAF inhibitor efficacies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31105-31113.	7.1	9
10	The Role of BRAF in Metastatic Colorectal Carcinomaâ€“Past, Present, and Future. International Journal of Molecular Sciences, 2020, 21, 9001.	4.1	8
11	Labdane-Type Diterpenes from the Aerial Parts of Rydingia persica: Their Absolute Configurations and Protective Effects on LPS-Induced Inflammation in Keratinocytes. Journal of Natural Products, 2020, 83, 2456-2468.	3.0	11
12	Rigosertib-Activated JNK1/2 Eliminate Tumor Cells through p66Shc Activation. Biology, 2020, 9, 99.	2.8	5
13	Generation of myogenic progenitor cell-derived smooth muscle cells for sphincter regeneration. Stem Cell Research and Therapy, 2020, 11, 233.	5.5	15
14	Unusual Secondary Metabolites of the Aerial Parts of Dionysia diapensifolia Bioss. (Primulaceae) and Their Anti-Inflammatory Activity. Biomolecules, 2020, 10, 438.	4.0	3
15	Toll-like receptor 3 mediates ischaemia/reperfusion injury after cardiac transplantation. European Journal of Cardio-thoracic Surgery, 2020, 57, 826-835.	1.4	9
16	Antiausterity Activity of Secondary Metabolites from the Roots of Ferula hezarlalehzarica against the PANC-1 Human Pancreatic Cancer Cell Line. Journal of Natural Products, 2020, 83, 1099-1106.	3.0	12
17	Increased Expression of Micro-RNA-23a Mediates Chemoresistance to Cytarabine in Acute Myeloid Leukemia. Cancers, 2020, 12, 496.	3.7	12
18	Restoring Mitochondrial Function While Avoiding Redox Stress: The Key to Preventing Ischemia/Reperfusion Injury in Machine Perfused Liver Grafts?. International Journal of Molecular Sciences, 2020, 21, 3132.	4.1	36

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19	BRAF inhibitors promote intermediate BRAF(V600E) conformations and binary interactions with activated RAS. Science Advances, 2019, 5, eaav8463.	10.3	25
20	The Human G Protein-Coupled ATP Receptor P2Y11 Is Associated With IL-10 Driven Macrophage Differentiation. Frontiers in Immunology, 2019, 10, 1870.	4.8	19
21	Associations of Oxidative Stress and Postoperative Outcome in Liver Surgery with an Outlook to Future Potential Therapeutic Options. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-18.	4.0	41
22	Live Confocal Tissue Assessment With SYTO16/PI and WGA Staining Visualizes Acute Organ Damage and Predicts Delayed Graft Function in Kidney Transplantation. Annals of Surgery, 2019, 270, 915-922.	4.2	5
23	Preoperative Assessment of Muscle Mass Using Computerized Tomography Scans to Predict Outcomes Following Orthotopic Liver Transplantation. Transplantation, 2019, 103, 2506-2514.	1.0	24
24	The oxidoreductase p66Shc acts as tumor suppressor in <scp>BRAFV</scp>600Eâ€transformed cells. Molecular Oncology, 2018, 12, 869-882.	4.6	4
25	Subcutaneous administration of a neutralizing IL-1Î² antibody prolongs limb allograft survival. American Journal of Transplantation, 2018, 18, 2029-2042.	4.7	4
26	Targeting the Architecture of Deregulated Protein Complexes in Cancer. Advances in Protein Chemistry and Structural Biology, 2018, 111, 101-132.	2.3	5
27	RNA cytosine methyltransferase Nsun3 regulates embryonic stem cell differentiation by promoting mitochondrial activity. Cellular and Molecular Life Sciences, 2018, 75, 1483-1497.	5.4	43
28	Calcineurin inhibitorâ€induced complement system activation via ERK1/2 signalling is inhibited by SOCSâ€3 in human renal tubule cells. European Journal of Immunology, 2018, 48, 330-343.	2.9	5
29	52Mechanical strain upon aortic valves causes release of danger associated molecular patterns and activates innate immunity. Cardiovascular Research, 2018, 114, S13-S13.	3.8	0
30	Development of an in vitro potency assay for human skeletal muscle derived cells. PLoS ONE, 2018, 13, e0194561.	2.5	10
31	Predicting the future from the past: volatile markers for respiratory infections. European Respiratory Journal, 2017, 49, 1700264.	6.7	4
32	Development of Bag-1L as a therapeutic target in androgen receptor-dependent prostate cancer. ELife, 2017, 6, .	6.0	32
33	Terpene ester derivatives of the roots of Ferula hezarlalehzarica. Planta Medica International Open, 2017, 4, .	0.5	0
34	A Compendium of Volatile Organic Compounds (VOCs) Released By Human Cell Lines. Current Medicinal Chemistry, 2016, 23, 2112-2131.	2.4	87
35	cJun N-terminal kinase (JNK) phosphorylation of serine 36 is critical for p66Shc activation. Scientific Reports, 2016, 6, 20930.	3.3	31
36	Increased Expression of miR-23a Mediates a Loss of Expression in the RAF Kinase Inhibitor Protein RKIP. Cancer Research, 2016, 76, 3644-3654.	0.9	45

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37	The Bag-1 inhibitor, Thio-2, reverses an atypical 3D morphology driven by Bag-1L overexpression in a MCF-10A model of ductal carcinoma in situ. Oncogenesis, 2016, 5, e215-e215.	4.9	5
38	Novel Insights into the PKCÎ²-dependent Regulation of the Oxidoreductase p66Shc. Journal of Biological Chemistry, 2016, 291, 23557-23568.	3.4	21
39	Biopsychronology: A Method Using Live Tissue Staining to Image Cell Function in the Kidney. Methods in Molecular Biology, 2016, 1397, 81-90.	0.9	2
40	A combination of trastuzumab and BAG-1 inhibition synergistically targets HER2 positive breast cancer cells. Oncotarget, 2016, 7, 18851-18864.	1.8	10
41	Breath analysis for in vivo detection of pathogens related to ventilator-associated pneumonia in intensive care patients: a prospective pilot study. Journal of Breath Research, 2015, 9, 016004.	3.0	88
42	Oxidative stress and volatile organic compounds: interplay in pulmonary, cardio-vascular, digestive tract systems and cancer. Open Chemistry, 2015, 13, .	1.9	38
43	Biopsychronology: live confocal imaging of biopsies to assess organ function. Transplant International, 2014, 27, 868-876.	1.6	8
44	Bilirubin rinse of the graft ameliorates ischemia reperfusion injury in heart transplantation. Transplant International, 2014, 27, 504-513.	1.6	11
45	A p38MAPK/MK2 signaling pathway leading to redox stress, cell death and ischemia/reperfusion injury. Cell Communication and Signaling, 2014, 12, 6.	6.5	77
46	Comparative analyses of volatile organic compounds (VOCs) from patients, tumors and transformed cell lines for the validation of lung cancer-derived breath markers. Journal of Breath Research, 2014, 8, 027111.	3.0	120
47	Lipocalin-2 as mediator of chemokine expression and granulocyte infiltration during ischemia and reperfusion. Transplant International, 2013, 26, 761-769.	1.6	24
48	Release and uptake of volatile organic compounds by human hepatocellular carcinoma cells (HepG2) in vitro. Cancer Cell International, 2013, 13, 72.	4.1	73
49	Isolation of a Novel Thioflavin Sâ€“Derived Compound That Inhibits BAG-1â€“Mediated Protein Interactions and Targets BRAF Inhibitorâ€“Resistant Cell Lines. Molecular Cancer Therapeutics, 2013, 12, 2400-2414.	4.1	23
50	RAF and antioxidants prevent cell death induction after growth factor abrogation through regulation of Bcl-2 proteins. Experimental Cell Research, 2013, 319, 2728-2738.	2.6	12
51	Tetrahydrobiopterin compounds modulate intracellular signaling and reactive oxygen species levels in an in vitro model of ischemia-reperfusion injury. Pteridines, 2013, 24, 225-235.	0.5	0
52	Volatile Organic Compounds (VOCs) Released by Pathogenic Microorganisms in vitro: Potential Breath Biomarkers for Early-Stage Diagnosis of Disease. , 2013, , 463-512.		19
53	Characterization of volatile metabolites taken up by or released from Streptococcus pneumoniae and Haemophilus influenzae by using GC-MS. Microbiology (United Kingdom), 2012, 158, 3044-3053.	1.8	91
54	Protein Kinase C Inhibition Ameliorates Posttransplantation Preservation Injury in Rat Renal Transplants. Transplantation, 2012, 94, 679-686.	1.0	16

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55	Molecular analysis of volatile metabolites released specifically by staphylococcus aureus and pseudomonas aeruginosa. BMC Microbiology, 2012, 12, 113.	3.3	205
56	Frequent loss of RAF kinase inhibitor protein expression in acute myeloid leukemia. Leukemia, 2012, 26, 1842-1849.	7.2	38
57	Mitochondrial ROS production under cellular stress: comparison of different detection methods. Analytical and Bioanalytical Chemistry, 2011, 400, 2383-2390.	3.7	150
58	Mitochondrial dysfunction and biogenesis: do ICU patients die from mitochondrial failure?. Annals of Intensive Care, 2011, 1, 41.	4.6	56
59	Analysis of volatile organic compounds (VOCs) in the headspace of NCI-H1666 lung cancer cells. Cancer Biomarkers, 2011, 7, 153-161.	1.7	77
60	Analysis of exhaled breath for screening of lung cancer patients. Memo - Magazine of European Medical Oncology, 2010, 3, 106-112.	0.5	35
61	Complex patterns of mitochondrial dynamics in human pancreatic cells revealed by fluorescent confocal imaging. Journal of Cellular and Molecular Medicine, 2010, 14, 417-425.	3.6	18
62	Cold ischemia contributes to the development of chronic rejection and mitochondrial injury after cardiac transplantation. Transplant International, 2010, 23, 1282-1292.	1.6	17
63	TD-GC-MS Analysis of Volatile Metabolites of Human Lung Cancer and Normal Cells In vitro. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 182-195.	2.5	205
64	Loss of RAF Kinase Inhibitor Protein Is a Frequent Event In Acute Myeloid Leukemia with a Monocytic Phenotype and Cooperates with Mutant RAS In Malignant Transformation. Blood, 2010, 116, 4185-4185.	1.4	5
65	Everolimus attenuates neointimal hyperplasia in cultured human saphenous vein graftsâˆ†. European Journal of Cardio-thoracic Surgery, 2009, 35, 515-520.	1.4	9
66	Proliferation Arrest in B-Raf Mutant Melanoma Cell Lines upon MAPK Pathway Activation. Journal of Investigative Dermatology, 2009, 129, 406-414.	0.7	18
67	Loss of RAF kinase inhibitor protein is a somatic event in the pathogenesis of therapy-related acute myeloid leukemias with C-RAF germline mutations. Leukemia, 2009, 23, 1049-1053.	7.2	27
68	Intracellular signaling pathways control mitochondrial events associated with the development of ischemia/ reperfusion-associated damage. Transplant International, 2009, 22, 922-930.	1.6	41
69	Release of volatile organic compounds from the lung cancer cell line NCI-H2087 in vitro. Anticancer Research, 2009, 29, 419-26.	1.1	110
70	Release of volatile organic compounds (VOCs) from the lung cancer cell line CALU-1 in vitro. Cancer Cell International, 2008, 8, 17.	4.1	163
71	Cytoplasmic signaling in the control of mitochondrial uproar?. Cell Communication and Signaling, 2008, 6, 4.	6.5	10
72	Increase of MCPâ€1 (CCL2) in myelin mutant Schwann cells is mediated by MEKâ€ERK signaling pathway. Glia, 2008, 56, 836-843.	4.9	60

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73	Involvement of p53 and Raf/MEK/ERK pathways in hematopoietic drug resistance. Leukemia, 2008, 22, 2080-2090.	7.2	70
74	Protein levels of heme oxygenaseâ€1 during reperfusion in human kidney transplants with delayed graft function. Clinical Transplantation, 2008, 22, 418-423.	1.6	20
75	The Effect of Secretory Leukocyte Protease Inhibitor (SLPI) on Ischemia/Reperfusion Injury in Cardiac Transplantation. American Journal of Transplantation, 2008, 8, 773-782.	4.7	37
76	Survival Signaling by C-RAF: Mitochondrial Reactive Oxygen Species and Ca²⁺ Are Critical Targets. Molecular and Cellular Biology, 2008, 28, 2304-2313.	2.3	42
77	Transcriptional Regulation of EGR-1 by the Interleukin-1-JNK-MKK7-c-Jun Pathway. Journal of Biological Chemistry, 2008, 283, 12120-12128.	3.4	76
78	Blockade of p38 MAPK Inhibits Chronic Allograft Vasculopathy. Transplantation, 2008, 85, 293-297.	1.0	8
79	Signaling Through RAS-RAF-MEK-ERK: from Basics to Bedside. Current Medicinal Chemistry, 2007, 14, 601-623.	2.4	102
80	Bilirubin Inhibits Tumor Cell Growth via Activation of ERK. Cell Cycle, 2007, 6, 3078-3085.	2.6	81
81	Lipocalin-2 Regulates the Inflammatory Response During Ischemia and Reperfusion of the Transplanted Heart. American Journal of Transplantation, 2007, 7, 779-788.	4.7	91
82	Mitochondrial subpopulations and heterogeneity revealed by confocal imaging: Possible physiological role?. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 686-691.	1.0	95
83	Back to the roots: the remarkable RAF oncogene story. Cellular and Molecular Life Sciences, 2006, 63, 1314-1330.	5.4	94
84	Two Transforming C-RAF Germ-Line Mutations Identified in Patients with Therapy-Related Acute Myeloid Leukemia. Cancer Research, 2006, 66, 3401-3408.	0.9	84
85	Bag1 is essential for differentiation and survival of hematopoietic and neuronal cells. Nature Neuroscience, 2005, 8, 1169-1178.	14.8	115
86	Use of a recombinant Salmonella enterica serovar Typhimurium strain expressing C-Raf for protection against C-Raf induced lung adenoma in mice. BMC Cancer, 2005, 5, 15.	2.6	32
87	Stress kinase signaling in cancer: fact or fiction?. Cancer Letters, 2005, 217, 1-9.	7.2	40
88	Dynamic Changes in C-Raf Phosphorylation and 14-3-3 Protein Binding in Response to Growth Factor Stimulation. Journal of Biological Chemistry, 2004, 279, 14074-14086.	3.4	59
89	Bcl-2 proteins: master switches at the intersection of death signaling and the survival control by Raf kinases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1644, 149-158.	4.1	25
90	Tumor induction by activated JNK occurs through deregulation of cellular growth. Cancer Letters, 2004, 215, 113-124.	7.2	11

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91	Regulating cell survival by controlling cellular energy production: novel functions for ancient signaling pathways?. FEBS Letters, 2004, 577, 1-4.	2.8	21
92	Raf and the road to cell survival: a tale of bad spells, ring bearers and detours. Biochemical Pharmacology, 2003, 66, 1341-1345.	4.4	65
93	N-Terminal Proopiomelanocortin Acts as a Mitogen in Adrenocortical Tumor Cells and Decreases Adrenal Steroidogenesis. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2171-2179.	3.6	64
94	Activation of p59Fyn Leads to Melanocyte Dedifferentiation by Influencing MKP-1-regulated Mitogen-activated Protein Kinase Signaling. Journal of Biological Chemistry, 2002, 277, 6443-6454.	3.4	87
95	Constitutive JNK Activation in NIH 3T3 Fibroblasts Induces a Partially Transformed Phenotype. Journal of Biological Chemistry, 2002, 277, 29510-29518.	3.4	37
96	Human Epidermal Growth Factor Receptor-1 Expression Renders Chinese Hamster Ovary Cells Sensitive to Alternative Aldosterone Signaling. Journal of Biological Chemistry, 2002, 277, 45892-45897.	3.4	78
97	Regulation of glycolysis by Raf protein serine/threonine kinases. Advances in Enzyme Regulation, 2002, 42, 317-332.	2.6	42
98	Truncation of the neuritogenic peptide bP2(60â€“70) results in the generation of altered peptide ligands with the potential to interfere with T cell activation. Journal of Neuroimmunology, 2002, 129, 97-105.	2.3	4
99	Negative regulation of mitochondrial VDAC channels by C-Raf kinase. BMC Cell Biology, 2002, 3, 14.	3.0	58
100	Specific function of B-Raf in mediating survival of embryonic motoneurons and sensory neurons. Nature Neuroscience, 2001, 4, 137-142.	14.8	104
101	Independent control of cell survival by Raf-1 and Bcl-2 at the mitochondria. Oncogene, 2001, 20, 4807-4816.	5.9	52
102	Apoptosis Suppression by Raf-1 and MEK1 Requires MEK- and Phosphatidylinositol 3-Kinase-Dependent Signals. Molecular and Cellular Biology, 2001, 21, 2324-2336.	2.3	174
103	Neurotrophin Receptor-interacting Mage Homologue Is an Inducible Inhibitor of Apoptosis Protein-interacting Protein That Augments Cell Death. Journal of Biological Chemistry, 2001, 276, 39985-39989.	3.4	77
104	The neuronal apoptosis inhibitory protein suppresses neuronal differentiation and apoptosis in PC12 cells. Human Molecular Genetics, 2000, 9, 2479-2489.	2.9	56
105	Raf induces NF-kappa B by membrane shuttle kinase MEKK1, a signaling pathway critical for transformation. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4615-4620.	7.1	164
106	Strict regulation of c-Raf kinase levels is required for early organogenesis of the vertebrate inner ear. Oncogene, 1999, 18, 429-437.	5.9	28
107	Cot protooncoprotein activates the dual specificity kinases MEK-1 and SEK-1 and induces differentiation of PC12 cells. Oncogene, 1999, 18, 1391-1400.	5.9	39
108	The JNK/SAPK activator mixed lineage kinase 3 (MLK3) transforms NIH 3T3 cells in a MEK-dependent fashion. Cancer Research, 1999, 59, 2195-202.	0.9	57

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109	Regulation of c-myc expression by Ras/Raf signalling. Oncogene, 1998, 16, 211-216.	5.9	127
110	Activation of NF-ÎºB by oncogenic Raf in HEK 293 cells occurs through autocrine recruitment of the stress kinase cascade. Oncogene, 1998, 17, 685-690.	5.9	51
111	p21Ras downstream effectors are increased in activity or expression in mouse liver tumors but do not differ betweenRas-mutated andRas-wild-type lesions. Hepatology, 1998, 27, 1081-1088.	7.3	21
112	Production and Characterization of Monoclonal Antibodies Against Human BAD Protein. Hybridoma, 1998, 17, 383-387.	0.6	4
113	Listeria monocytogenes infection of HeLa cells results in listeriolysinO-mediated transient activation of the Raf-MEK-MAP kinase pathway. FEMS Microbiology Letters, 1997, 148, 189-195.	1.8	1
114	The Effect of C-raf Antisense Oligonucleotides on Growth Factor-Induced Proliferation of Hematopoietic Cells. Current Topics in Microbiology and Immunology, 1996, 211, 43-53.	1.1	4
115	Raf-1 protein is required for growth factor-induced proliferation of hematopoietic cells.. Journal of Experimental Medicine, 1995, 181, 2189-2199.	8.5	53
116	The ins and outs of Raf kinases. Trends in Biochemical Sciences, 1994, 19, 474-480.	7.5	511
117	Mitogen-activated protein kinase/extracellular signal-regulated protein kinase activation by oncogenes, serum, and 12-O-tetradecanoylphorbol-13-acetate requires Raf and is necessary for transformation.. Journal of Biological Chemistry, 1994, 269, 7030-7035.	3.4	222
118	Transformation by Raf and other oncogenes renders cells differentially sensitive to growth inhibition by a dominant negative c-jun mutant. Oncogene, 1994, 9, 3493-8.	5.9	47
119	v-raf suppresses apoptosis and promotes growth of interleukin-3-dependent myeloid cells. Oncogene, 1994, 9, 2217-26.	5.9	92
120	Apoptosis regulation by interaction of Bcl-2 protein and Raf-1 kinase. Oncogene, 1994, 9, 2751-6.	5.9	195
121	Mitogen-activated protein kinase/extracellular signal-regulated protein kinase activation by oncogenes, serum, and 12-O-tetradecanoylphorbol-13-acetate requires Raf and is necessary for transformation. Journal of Biological Chemistry, 1994, 269, 7030-5.	3.4	188
122	Hydrolysis of phosphatidylcholine couples Ras to activation of Raf protein kinase during mitogenic signal transduction.. Molecular and Cellular Biology, 1993, 13, 7645-7651.	2.3	138
123	Susceptibility and resistance to J3V1 retrovirus-induced murine plasmacytomagenesis in reconstituted severe combined immunodeficient mice. Oncogene, 1993, 8, 1993-2000.	5.9	9
124	v-Raf/v-Myc Synergism in Abrogation of IL-3 Dependence: v-Raf Suppresses Apoptosis. Current Topics in Microbiology and Immunology, 1992, 182, 453-460.	1.1	23
125	Ras controls coupling of growth factor receptors and protein kinase C in the membrane to Raf-1 and B-Raf protein serine kinases in the cytosol. Oncogene, 1992, 7, 1867-73.	5.9	105
126	Role of raf-1 Protein Kinase in IL-3 and GM-CSF-Mediated Signal Transduction. Current Topics in Microbiology and Immunology, 1990, 166, 129-139.	1.1	15

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127	Probing structure and function of the raf protein kinase domain with monoclonal antibodies. Oncogene, 1990, 5, 713-20.	5.9	35
128	An altered v-raf is required in addition to v-myc in J3V1 virus for acceleration of murine plasmacytomagenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9941-9945.	7.1	32
129	Plasmacytoma Induction by J Series of v-myc Recombinant Retroviruses: Evidence for the Requirement of Two (raf and myc) Oncogenes for Transformation. Current Topics in Microbiology and Immunology, 1988, 141, 110-114.	1.1	4