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The phosphoinositide 3-kinase pathway

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2252	Mutation of PIK3CA: Possible risk factor for cervical carcinogenesis in older women. 1992 , 34, 409		1
2251	SHIP2 phosphoinositol phosphatase positively regulates EGFR-Akt pathway, CXCR4 expression, and cell migration in MDA-MB-231 breast cancer cells. 1992 , 34, 97		5
2250	Open heart surgery of PI-3 kinase signaling. 2002 , 1, 404-5		
2249	Phosphatidylinositol 3-kinase: a key regulator of vascular tone?. 2002 , 91, 273-5		33
2248	H11 kinase is a novel mediator of myocardial hypertrophy in vivo. 2002 , 91, 1007-14		79
2247	A new ERK2 binding protein, Naf1, attenuates the EGF/ERK2 nuclear signaling. 2002 , 297, 17-23		32
2246	Function and regulation of CREB family transcription factors in the nervous system. 2002 , 35, 605-23		1674
2245	Activation of the PI3K/Akt pathway and chemotherapeutic resistance. 2002 , 5, 234-48		446
2244	Interleukin signaling. 2002 , 12, R760-3		22
2243	Frequent activation of AKT2 kinase in human pancreatic carcinomas. 2002 , 87, 470-6		118
2242	Slick signaling. 2002 , 3, 1058-9		3
2241	Isoform isolated. 2002 , 2, 626-626		
2240	The balance between pro-apoptotic and anti-apoptotic pathways in the failing myocardium. 2003 , 3, 191-206		20
2239	Light regulation of the insulin receptor in the retina. 2003 , 28, 123-38		13
2238	Selectivity in neurotrophin signaling: theme and variations. 2003 , 26, 299-330		355
2237	Apoptosis of human carcinoma cells in the presence of inhibitors of glycosphingolipid biosynthesis: I. Treatment of Colo-205 and SKBR3 cells with isomers of PDMP and PPMP. 2004 , 20, 157-68		15
2236	Hepatocyte growth factor activates CCAAT enhancer binding protein and cell replication via PI3-kinase pathway. 2003 , 37, 686-95		25

2235	PDK1 and PKB/Akt: ideal targets for development of new strategies to structure-based drug design. 2003 , 55, 117-26	35
2234	Redox regulation of PI 3-kinase signalling via inactivation of PTEN. 2003 , 22, 5501-10	481
2233	Neutrophil cell signaling in infection: role of phosphatidylinositide 3-kinase. 2003 , 5, 1293-8	7
2232	Impaired IRS-1/PI3-kinase signaling in patients with HCV: a mechanism for increased prevalence of type 2 diabetes. 2003 , 38, 1384-92	193
2231	The odd couple: signal transduction and endocytosis. 2003 , 60, 2020-33	77
2230	Targeting of the Akt/PKB kinase to the actin skeleton. 2003 , 60, 2710-20	66
2229	A decade of tyrosine kinases: from gene discovery to therapeutics. 2003 , 12, 39-49	49
2228	Growth factor receptor cross-talk with estrogen receptor as a mechanism for tamoxifen resistance in breast cancer. 2003 , 12, 362-7	115
2227	Role of phosphoinositide 3-kinase in cardiac function and heart failure. 2003 , 13, 206-12	34
2226	PTEN and p53: who will get the upper hand?. 2003 , 3, 97-9	90
2225	Targeting the PI3K-Akt pathway in human cancer: rationale and promise. 2003 , 4, 257-62	1101
2224	Role of tumor necrosis factor receptor 1 (p55) in hepatocyte proliferation during acetaminophen-induced toxicity in mice. 2003 , 193, 218-27	72
2223	NF-kappaB stimulates Akt phosphorylation and gene expression by distinct signaling mechanisms. 2003 , 1630, 35-40	26
2222	Retinoic acid signaling through PI 3-kinase induces differentiation of human endometrial adenocarcinoma cells. 2003 , 75, 34-44	9
2221	14-3-3gamma is upregulated by in vitro ischemia and binds to protein kinase Raf in primary cultures of astrocytes. 2003 , 42, 315-24	46
2220	Hpr6.6 protein mediates cell death from oxidative damage in MCF-7 human breast cancer cells. 2003 , 90, 534-47	62
2219	Role of PTEN and Akt in the regulation of growth and apoptosis in human osteoblastic cells. 2003 , 90, 964-75	29
2218	Roles of the Nkx3.1 homeobox gene in prostate organogenesis and carcinogenesis. 2003 , 228, 767-78	82

2217	TGF-beta1 modulates Fas (APO-1/CD95)-mediated apoptosis of human pre-B cell lines. 2003 , 33, 1372-81	17
2216	Phosphoinositide 3-kinase promotes adult subventricular neuroblast migration after stroke. 2003 , 74, 494-501	33
2215	Breast cancer as a model of realistic challenges in pharmacogenomics. 2003 , 36, 89-94	5
2214	T cell anergy and costimulation. 2003 , 192, 161-80	237
2213	Neutrophil apoptosis pathways and their modifications in inflammation. 2003 , 193, 101-10	271
2212	Analysis of gene expression following norepinephrine stimulation in the rat pineal gland using DNA microarray technique. 2003 , 35, 196-203	14
2211	Genome-wide analysis of signaling domain function. 2003 , 7, 103-9	14
2210	Shrinkage control: regulation of insulin-mediated growth by FOXO transcription factors. 2003 , 2, 18	19
2209	The Drosophila forkhead transcription factor FOXO mediates the reduction in cell number associated with reduced insulin signaling. 2003 , 2, 20	420
2208	Insulin-like growth factor-I as a promoting factor for cerebellar Purkinje cell development. 2003 , 17, 2006-16	36
2207	Overgrowth syndromes: is dysfunctional PI3-kinase signalling a unifying mechanism?. 2003 , 11, 665-70	15
2206	Involvement of PI3K/Akt pathway in cell cycle progression, apoptosis, and neoplastic transformation: a target for cancer chemotherapy. 2003 , 17, 590-603	889
2205	BCR targets cyclin D2 via Btk and the p85alpha subunit of PI3-K to induce cell cycle progression in primary mouse B cells. 2003 , 22, 2248-59	55
2204	Apoptosis and melanoma chemoresistance. 2003 , 22, 3138-51	669
2203	Inhibitor of apoptosis protein (IAP) survivin is upregulated by oncogenic c-H-Ras. 2003 , 22, 4266-80	82
2202	Scaffolding protein Gab2 mediates fibroblast transformation by the SEA tyrosine kinase. 2003 , 22, 6311-8	22
2201	Monoclonal antibody therapeutics and apoptosis. 2003 , 22, 9097-106	58
2200	Phosphoinositide profiling in complex lipid mixtures using electrospray ionization mass spectrometry. 2003 , 21, 813-7	204

2199	Production of PtdInsP3 at endomembranes is triggered by receptor endocytosis. 2003 , 5, 1016-22	151
2198	Kinases as therapeutic targets for heart failure. 2003 , 2, 99-113	88
2197	Issues and progress with protein kinase inhibitors for cancer treatment. 2003 , 2, 296-313	410
2196	Prodrugs of biologically active phosphate esters. 2003 , 11, 885-98	187
2195	Therapeutic potential of phosphoinositide 3-kinase inhibitors. 2003 , 10, 207-13	115
2194	Role of tumor necrosis factor receptor 1 (p55) in hepatocyte proliferation during acetaminophen-induced toxicity in mice. 2003 , 193, 218-218	
2193	Cardiac hypertrophy: the good, the bad, and the ugly. 2003 , 65, 45-79	1153
2192	Biology of common Γ receptor signaling cytokines IL-3, IL-5, and GM-CSF. 2003 , 112, 653-665	192
2191	Therapy for chronic obstructive pulmonary disease in the 21st century. 2003 , 63, 1973-98	59
2190	Role of the phosphatidylinositol 3 kinase-Akt pathway in the regulation of IL-10 and IL-12 by <i>Porphyromonas gingivalis</i> lipopolysaccharide. 2003 , 171, 717-25	226
2189	Saturated fatty acids synergize with elevated glucose to cause pancreatic beta-cell death. 2003 , 144, 4154-63	477
2188	Epigallocatechin gallate protects nerve growth factor differentiated PC12 cells from oxidative-radical-stress-induced apoptosis through its effect on phosphoinositide 3-kinase/Akt and glycogen synthase kinase-3. 2003 , 118, 72-81	131
2187	Thiazolidinedione regulation of smooth muscle cell proliferation. 2003 , 115 Suppl 8A, 87S-92S	30
2186	Multiple Roles of the PI3K/PKB (Akt) Pathway in Cell Cycle Progression. 2003 , 2, 336-342	568
2185	Impaired IRS-1/PI3-kinase signaling in patients with HCV: A mechanism for increased prevalence of type 2 diabetes. 2003 , 38, 1384-1392	85
2184	Preconditioning: is the Akt-ion in the PI3K pathway?. 2003 , 35, 1021-5	13
2183	Modulation of phosphoinositide 3-kinase activation by cholesterol level suggests a novel positive role for lipid rafts in lysophosphatidic acid signalling. 2003 , 534, 164-8	45
2182	The p110 gamma PI-3 kinase is required for EphA8-stimulated cell migration. 2003 , 540, 65-70	12

2181	PI3K is a key molecule in the Nrf2-mediated regulation of antioxidative proteins by hemin in human neuroblastoma cells. 2003 , 546, 181-4	257
2180	LKB1, a protein kinase regulating cell proliferation and polarity. 2003 , 546, 159-65	136
2179	Hippocampal neuronal polarity specified by spatially localized mPar3/mPar6 and PI 3-kinase activity. 2003 , 112, 63-75	511
2178	Interaction of Akt-phosphorylated ataxin-1 with 14-3-3 mediates neurodegeneration in spinocerebellar ataxia type 1. 2003 , 113, 457-68	344
2177	The PHD finger of the chromatin-associated protein ING2 functions as a nuclear phosphoinositide receptor. 2003 , 114, 99-111	413
2176	Inositol pyrophosphates mediate chemotaxis in Dictyostelium via pleckstrin homology domain-PtdIns(3,4,5)P3 interactions. 2003 , 114, 559-72	174
2175	Epidermal growth factor receptor: mechanisms of activation and signalling. 2003 , 284, 31-53	1204
2174	The deaf and the dumb: the biology of ErbB-2 and ErbB-3. 2003 , 284, 54-65	468
2173	Early stage-specific inhibitions of cardiomyocyte differentiation and expression of Csx/Nkx-2.5 and GATA-4 by phosphatidylinositol 3-kinase inhibitor LY294002. 2003 , 291, 56-69	40
2172	Tyrosine phosphorylation of Disabled-1 is essential for Reelin-stimulated activation of Akt and Src family kinases. 2003 , 117, 152-9	79
2171	Phosphoinositide 3-kinase signalling--which way to target?. 2003 , 24, 366-76	347
2170	Diversity in the mechanisms of neuronal cell death. 2003 , 40, 401-13	387
2169	Isoform-specific phosphoinositide 3-kinase inhibitors as therapeutic agents. 2003 , 3, 426-34	121
2168	IFNalpha regulates NK cell cytotoxicity through STAT1 pathway. 2003 , 23, 190-9	52
2167	Vascular integrins: pleiotropic adhesion and signaling molecules in vascular homeostasis and angiogenesis. 2003 , 60, 1135-57	124
2166	Nuclear magnetic resonance structure of the P395S mutant of the N-SH2 domain of the p85 subunit of PI3 kinase: an SH2 domain with altered specificity. 2003 , 42, 11120-7	5
2165	A unique autophosphorylation site on Tie2/Tek mediates Dok-R phosphotyrosine binding domain binding and function. 2003 , 23, 2658-68	65
2164	Identification of a proline-rich Akt substrate as a 14-3-3 binding partner. 2003 , 278, 10189-94	270

2163	Molecular interactions of yeast frequenin (Frq1) with the phosphatidylinositol 4-kinase isoform, Pik1. 2003 , 278, 4862-74	39
2162	Control of cell number by Drosophila FOXO: downstream and feedback regulation of the insulin receptor pathway. 2003 , 17, 2006-20	442
2161	VEGF-A and alphaVbeta3 integrin synergistically rescue angiogenesis via N-Ras and PI3-K signaling in human microvascular endothelial cells. 2003 , 17, 1931-3	34
2160	Nephrin and CD2AP associate with phosphoinositide 3-OH kinase and stimulate AKT-dependent signaling. 2003 , 23, 4917-28	320
2159	Signal events: Cell signal transduction and its inhibition in cancer. 2003 , 8 Suppl 3, 5-17	53
2158	Lipid Raft targeting of the TC10 amino terminal domain is responsible for disruption of adipocyte cortical actin. 2003 , 14, 3578-91	31
2157	Differential activation of phosphatidylinositol 3-kinase signaling during proliferation and differentiation of lens epithelial cells. 2003 , 44, 4400-11	23
2156	Activation of phosphatidylinositol 3-kinase/Akt pathway by androgen through interaction of p85alpha, androgen receptor, and Src. 2003 , 278, 42992-3000	136
2155	Suprabasal alpha6beta4 integrin expression in epidermis results in enhanced tumourigenesis and disruption of TGFbeta signalling. 2003 , 116, 3783-91	82
2154	Opportunities and challenges in the development of kinase inhibitor therapy for cancer. 2003 , 17, 2998-3010	130
2153	Akt as a mediator of cell death. 2003 , 100, 11712-7	210
2152	Minimally modified LDL binds to CD14, induces macrophage spreading via TLR4/MD-2, and inhibits phagocytosis of apoptotic cells. 2003 , 278, 1561-8	299
2151	Roles of G beta gamma in membrane recruitment and activation of p110 gamma/p101 phosphoinositide 3-kinase gamma. 2003 , 160, 89-99	211
2150	Protein profiling of the human epidermis from the elderly reveals up-regulation of a signature of interferon-gamma-induced polypeptides that includes manganese-superoxide dismutase and the p85beta subunit of phosphatidylinositol 3-kinase. 2003 , 2, 70-84	34
2149	Membrane rafts play a crucial role in receptor activator of nuclear factor kappaB signaling and osteoclast function. 2003 , 278, 18573-80	66
2148	Molecular biology of aging. 2003 , 138, 1051-4	4
2147	Phosphatidylinositol 3-kinases in carcinoembryonic antigen-related cellular adhesion molecule-mediated internalization of Neisseria gonorrhoeae. 2003 , 278, 14037-45	47
2146	Neutrophil activation by fMLP regulates FOXO (forkhead) transcription factors by multiple pathways, one of which includes the binding of FOXO to the survival factor Mcl-1. 2003 , 74, 583-92	27

2145	Bcl-xL mediates a survival mechanism independent of the phosphoinositide 3-kinase/Akt pathway in prostate cancer cells. 2003 , 278, 25872-8	46
2144	Roles of Src and epidermal growth factor receptor transactivation in transient and sustained ERK1/2 responses to gonadotropin-releasing hormone receptor activation. 2003 , 278, 19118-26	63
2143	The structure of the inter-SH2 domain of class IA phosphoinositide 3-kinase determined by site-directed spin labeling EPR and homology modeling. 2003 , 100, 3275-80	36
2142	Differing roles of Akt and serum- and glucocorticoid-regulated kinase in glucose metabolism, DNA synthesis, and oncogenic activity. 2003 , 278, 25802-7	97
2141	Shear stress-induced endothelial cell polarization is mediated by Rho and Rac but not Cdc42 or PI 3-kinases. 2003 , 161, 429-39	280
2140	FoxO3a transcriptional regulation of Bim controls apoptosis in paclitaxel-treated breast cancer cell lines. 2003 , 278, 49795-805	396
2139	Sizing up the heart: development redux in disease. 2003 , 17, 1937-56	299
2138	The regulation of oocyte maturation. 2003 , 58, 53-110	84
2137	A PTEN-related 5-phosphatidylinositol phosphatase localized in the Golgi. 2003 , 278, 39866-73	28
2136	Optimal chemotactic responses of leukemic T cells to stromal cell-derived factor-1 requires the activation of both class IA and IB phosphoinositide 3-kinases. 2003 , 170, 4021-30	50
2135	Src family protein-tyrosine kinases alter the function of PTEN to regulate phosphatidylinositol 3-kinase/AKT cascades. 2003 , 278, 40057-66	189
2134	mTor is required for hypertrophy of Pten-deficient neuronal soma in vivo. 2003 , 100, 12923-8	197
2133	AKT2 inhibition of cisplatin-induced JNK/p38 and Bax activation by phosphorylation of ASK1: implication of AKT2 in chemoresistance. 2003 , 278, 23432-40	165
2132	CH-ILKBP regulates cell survival by facilitating the membrane translocation of protein kinase B/Akt. 2003 , 160, 1001-8	56
2131	Dominant negative form of signal-regulatory protein-alpha (SIRPalpha /SHPS-1) inhibits tumor necrosis factor-mediated apoptosis by activation of NF-kappa B. 2003 , 278, 3809-15	31
2130	Death receptor-induced activation of initiator caspase 8 is antagonized by serine/threonine kinase PAK4. 2003 , 23, 7838-48	79
2129	Phosphatidylinositol 3-kinase interacts with the adaptor protein Dab1 in response to Reelin signaling and is required for normal cortical lamination. 2003 , 278, 38772-9	160
2128	Vascular endothelial growth factor receptor-2 induces survival of hematopoietic progenitor cells. 2003 , 278, 22006-13	31

2127	The phosphatidylinositol 3-kinase inhibitor LY294002 potently blocks K(V) currents via a direct mechanism. 2003 , 17, 720-2	70
2126	Getting ready for the decade of the lipids. 2003 , 65, 697-700	33
2125	Activation of the p70 S6 kinase and phosphorylation of the 4E-BP1 repressor of mRNA translation by type I interferons. 2003 , 278, 27772-80	102
2124	Osteoblast-derived oxysterol is a migration-inducing factor for human breast cancer cells. 2003 , 278, 25376-85	27
2123	Candida albicans phospholipomannan promotes survival of phagocytosed yeasts through modulation of bad phosphorylation and macrophage apoptosis. 2003 , 278, 13086-93	57
2122	Activation of group IV cytosolic phospholipase A2 in human eosinophils by phosphoinositide 3-kinase through a mitogen-activated protein kinase-independent pathway. 2003 , 171, 4399-405	25
2121	T cell receptor engagement leads to the recruitment of IBP, a novel guanine nucleotide exchange factor, to the immunological synapse. 2003 , 278, 43541-9	62
2120	Phosphatidylinositol 4-kinase type IIalpha is responsible for the phosphatidylinositol 4-kinase activity associated with synaptic vesicles. 2003 , 100, 3995-4000	112
2119	PINCH-1 is an obligate partner of integrin-linked kinase (ILK) functioning in cell shape modulation, motility, and survival. 2003 , 278, 51324-33	160
2118	Alleviating the suppression of glycogen synthase kinase-3beta by Akt leads to the phosphorylation of cAMP-response element-binding protein and its transactivation in intact cell nuclei. 2003 , 278, 41338-46	59
2117	Recruitment and activation of phospholipase Cgamma1 by vascular endothelial growth factor receptor-2 are required for tubulogenesis and differentiation of endothelial cells. 2003 , 278, 16347-55	62
2116	Delta Np63 alpha expression is regulated by the phosphoinositide 3-kinase pathway. 2003 , 278, 51408-14	62
2115	The PTEN tumor suppressor is a negative modulator of androgen receptor transcriptional activity. 2003 , 31, 169-83	57
2114	Anti-migratory and anti-invasive effect of somatostatin in human neuroblastoma cells: involvement of Rac and MAP kinase activity. 2003 , 278, 40601-6	44
2113	Phosphoinositide 3-kinase gamma-deficient hearts are protected from the PAF-dependent depression of cardiac contractility. 2003 , 60, 242-9	17
2112	Stimulus-dependent regulation of serum and glucocorticoid inducible protein kinase (SGK) transcription, subcellular localization and enzymatic activity. 2003 , 13, 1-12	210
2111	Selective ligands and cellular effectors of a G protein-coupled endothelial cannabinoid receptor. 2003 , 63, 699-705	210
2110	Ephrin-B2 induces migration of endothelial cells through the phosphatidylinositol-3 kinase pathway and promotes angiogenesis in adult vasculature. 2003 , 23, 2008-14	66

2109	Recent Advances with Molecular Target Agents in Cancer: Opportunities for Imaging. 2003 , 2, 599-607	10
2108	Insulin-like growth factor-1 receptor activation inhibits oxidized LDL-induced cytochrome C release and apoptosis via the phosphatidylinositol 3 kinase/Akt signaling pathway. 2003 , 23, 2178-84	72
2107	Akt and PI 3-Kinase Signaling in Cardiomyocyte Hypertrophy and Survival. 2003 , 2, 219-222	133
2106	Maspin and the order of signaling. 2003 , 2, 404-5	5
2105	Signaling pathways regulating gliomagenesis. 2003 , 3, 73-84	55
2104	Follicle-stimulating hormone promotes nuclear exclusion of the forkhead transcription factor FoxO1a via phosphatidylinositol 3-kinase in porcine granulosa cells. 2003 , 144, 5585-94	58
2103	Phosphoinositide 3-kinase activity is required for biphasic stimulation of cyclic adenosine 3',5'-monophosphate by relaxin. 2003 , 17, 1075-84	78
2102	Fer is a downstream effector of insulin and mediates the activation of signal transducer and activator of transcription 3 in myogenic cells. 2003 , 17, 1580-92	13
2101	PAF, PIP(3) and NO: emerging role in reperfusion injury. 2003 , 60, 215-6	1
2100	Binding of phosphatidylinositol 3,4,5-trisphosphate to the pleckstrin homology domain of protein kinase B induces a conformational change. 2003 , 375, 531-8	215
2099	Conditional loss of PTEN leads to testicular teratoma and enhances embryonic germ cell production. 2003 , 130, 1691-700	190
2098	PTEN and myotubularins: families of phosphoinositide phosphatases. 2003 , 366, 43-56	31
2097	References. 2003 , 765-949	
2096	Protein tyrosyl phosphatases in T cell activation: implication for human immunodeficiency virus transcriptional activity. 2003 , 73, 69-105	8
2095	Synergistic antileukemic interactions between 17-AAG and UCN-01 involve interruption of RAF/MEK- and AKT-related pathways. 2003 , 102, 1824-32	84
2094	Insulin signalling, exercise and cellular integrity. 2003 , 31, 1281-5	49
2093	Gene expression profiles of I3C- and DIM-treated PC3 human prostate cancer cells determined by cDNA microarray analysis. 2003 , 133, 1011-9	80
2092	Mechanisms by which cAMP increases bile acid secretion in rat liver and canalicular membrane vesicles. 2003 , 285, G316-24	39

2091	Physiological roles of glycogen synthase kinase-3: potential as a therapeutic target for diabetes and other disorders. 2003 , 3, 281-90	65
2090	The deaf and the dumb. 2003 , 57-68	1
2089	Focal adhesion kinase signaling activities and their implications in the control of cell survival and motility. 2003 , 8, d982-96	273
2088	Epidermal growth factor receptor. 2003 , 33-55	8
2087	1 Phospholipid synthesis in mammalian cells. 2003 , 5-88	1
2086	Phosphatidylinositol 3,4,5-trisphosphate: an early mediator of insulin-stimulated sodium transport in A6 cells. 2004 , 287, F319-28	21
2085	. 2004 ,	3
2084	. 2004 ,	
2083	. 2004 ,	10
2082	Phosphatidylinositol 3-kinase (PI-3K)/Akt but not PI-3K/p70 S6 kinase signaling mediates IGF-1-promoted lens epithelial cell survival. 2004 , 45, 3577-88	40
2081	Angiogenesis and its role in the behavior of astrocytic brain tumors. 2004 , 9, 3105-23	23
2080	Functional role of death-associated protein 3 (DAP3) in anoikis. 2004 , 279, 44667-72	46
2079	Phospholipids and their derivatives as mitogen and motogen of budding tunicates. 2004 , 135, 71-8	3
2078	Frequent activation of AKT in non-small cell lung carcinomas and preneoplastic bronchial lesions. 2004 , 25, 2053-9	214
2077	Assaying phosphoinositide phosphatases. 2004 , 284, 217-27	6
2076	Phosphatidylinositol-3 kinase/mammalian target of rapamycin/p70S6K regulates contractile protein accumulation in airway myocyte differentiation. 2004 , 31, 266-75	85
2075	Phosphoinositide 3-OH kinase inhibition prevents ventilation-induced lung cell activation. 2004 , 169, 201-8	75
2074	Glucocorticoid Receptor Counteracts Tumorigenic Activity of Akt in Skin through Interference with the Phosphatidylinositol 3-Kinase Signaling Pathway. 2004 , 18, 303-11	58

2073	Estrogen receptor (ER)alpha and ER beta are both expressed in human ejaculated spermatozoa: evidence of their direct interaction with phosphatidylinositol-3-OH kinase/Akt pathway. 2004 , 89, 1443-51	153
2072	Impact of Src homology 2-containing inositol 5'-phosphatase 2 on the regulation of insulin signaling leading to protein synthesis in 3T3-L1 adipocytes cultured with excess amino acids. 2004 , 145, 3215-23	16
2071	Signal Transduction Protocols. 2004 ,	1
2070	Principles of Molecular Oncology. 2004 ,	6
2069	Therapeutic potential of phosphoinositide 3-kinase inhibitors. 2004 , 14, 703-732	32
2068	The p110PI-3 kinase is required for the mechanism by which the EphA8-induced neurites are modulated by ephrin-A5 engagement. 2004 , 8, 57-63	
2067	Signaling through the leukocyte integrin LFA-1 in T cells induces a transient activation of Rac-1 that is regulated by Vav and PI3K/Akt-1. 2004 , 279, 16194-205	49
2066	The PIK3CA gene is mutated with high frequency in human breast cancers. 2004 , 3, 772-5	536
2065	Oncogenic mutations of PIK3CA in human cancers. 2004 , 3, 1221-4	384
2064	The TSC1-2 tumor suppressor controls insulin-PI3K signaling via regulation of IRS proteins. 2004 , 166, 213-23	912
2063	Involvement of insulin receptor substrate 2 in mammary tumor metastasis. 2004 , 24, 9726-35	98
2062	A library of siRNA duplexes targeting the phosphoinositide 3-kinase pathway: determinants of gene silencing for use in cell-based screens. 2004 , 32, 893-901	173
2061	Putting the rap on Akt. 2004 , 22, 4217-26	189
2060	Reconstituted high-density lipoprotein inhibits thrombin-induced endothelial tissue factor expression through inhibition of RhoA and stimulation of phosphatidylinositol 3-kinase but not Akt/endothelial nitric oxide synthase. 2004 , 94, 918-25	94
2059	Hypertrophy of the heart: a new therapeutic target?. 2004 , 109, 1580-9	627
2058	Kaposi's sarcoma-associated herpesvirus/human herpesvirus 8 envelope glycoprotein gB induces the integrin-dependent focal adhesion kinase-Src-phosphatidylinositol 3-kinase-rho GTPase signal pathways and cytoskeletal rearrangements. 2004 , 78, 4207-23	134
2057	EphA2 receptor tyrosine kinase regulates endothelial cell migration and vascular assembly through phosphoinositide 3-kinase-mediated Rac1 GTPase activation. 2004 , 117, 2037-49	160
2056	Insulin promotes rat retinal neuronal cell survival in a p70S6K-dependent manner. 2004 , 279, 9167-75	67

2055	Androgen receptor mediates non-genomic activation of phosphatidylinositol 3-OH kinase in androgen-sensitive epithelial cells. 2004 , 279, 14579-86	124
2054	The NHE1 Na ⁺ /H ⁺ exchanger recruits ezrin/radixin/moesin proteins to regulate Akt-dependent cell survival. 2004 , 279, 26280-6	128
2053	Serine/threonine kinase AKT is frequently activated in human bile duct cancer and is associated with increased radioresistance. 2004 , 64, 3486-90	95
2052	Differential sensitivity of phosphatidylinositol 3-kinase p110gamma to isoforms of G protein betagamma dimers. 2004 , 279, 44554-62	41
2051	Modulation of the phosphoinositide 3-kinase pathway alters innate resistance to polymicrobial sepsis. 2004 , 172, 449-56	136
2050	Regulated membrane trafficking of the insulin-responsive glucose transporter 4 in adipocytes. 2004 , 25, 177-204	360
2049	SH2-containing inositol phosphatase 2 predominantly regulates Akt2, and not Akt1, phosphorylation at the plasma membrane in response to insulin in 3T3-L1 adipocytes. 2004 , 279, 14835-43	50
2048	Adaptive and maladaptive hypertrophic pathways: points of convergence and divergence. 2004 , 63, 373-80	108
2047	The serine/threonine kinase cyclin G-associated kinase regulates epidermal growth factor receptor signaling. 2004 , 101, 10296-301	45
2046	A novel phosphatidylinositol(3,4,5)P3 pathway in fission yeast. 2004 , 166, 205-11	72
2045	PI3K-Akt pathway suppresses coagulation and inflammation in endotoxemic mice. 2004 , 24, 1963-9	192
2044	Smad7 is required for TGF-beta-induced activation of the small GTPase Cdc42. 2004 , 117, 1835-47	53
2043	In vitro combination treatment with perifosine and UCN-01 demonstrates synergism against prostate (PC-3) and lung (A549) epithelial adenocarcinoma cell lines. 2004 , 10, 5242-52	61
2042	Activation of phosphoinositide 3-kinase in response to high glucose leads to regulation of reactive oxygen species-related nuclear factor-kappaB activation and cyclooxygenase-2 expression in mesangial cells. 2004 , 66, 187-96	54
2041	Direct interaction of major histocompatibility complex class II-derived peptides with class Ia phosphoinositide 3-kinase results in dose-dependent stimulatory effects. 2004 , 279, 7505-11	6
2040	Involvement of phospholipase D1 in melanogenesis of mouse B16 melanoma cells. 2004 , 279, 3408-12	14
2039	The MUC1 oncoprotein activates the anti-apoptotic phosphoinositide 3-kinase/Akt and Bcl-xL pathways in rat 3Y1 fibroblasts. 2004 , 279, 20607-12	131
2038	Heparanase induces endothelial cell migration via protein kinase B/Akt activation. 2004 , 279, 23536-41	179

2037	Phosphatidylinositol 3-kinase and frabin mediate <i>Cryptosporidium parvum</i> cellular invasion via activation of Cdc42. 2004 , 279, 31671-8	53
2036	The p85alpha subunit of phosphatidylinositol 3'-kinase binds to and stimulates the GTPase activity of Rab proteins. 2004 , 279, 48607-14	90
2035	Effects of PNU157706, a dual 5alpha-reductase inhibitor, on gene expression in the rat epididymis. 2004 , 181, 245-61	15
2034	Rho GTPases and phosphoinositide 3-kinase organize formation of branched dendrites. 2004 , 279, 585-96	43
2033	Regulation of phosphoinositide 3-kinase by its intrinsic serine kinase activity in vivo. 2004 , 24, 966-75	53
2032	Cytoplasmic mislocalization of p27Kip1 protein is associated with constitutive phosphorylation of Akt or protein kinase B and poor prognosis in acute myelogenous leukemia. 2004 , 64, 5225-31	77
2031	Mutations of PIK3CA in anaplastic oligodendrogliomas, high-grade astrocytomas, and medulloblastomas. 2004 , 64, 5048-50	290
2030	Sorting nexin 16 regulates EGF receptor trafficking by phosphatidylinositol-3-phosphate interaction with the Phox domain. 2004 , 117, 4209-18	33
2029	Molecular targeting for malignant gliomas (Review). 2004 , 24, 1101	7
2028	Akt-Induced Cellular Senescence: Implication for Human Disease. 2004 , 3, 447-449	29
2027	RNA interference: a potential strategy for isoform-specific phosphatidylinositol 3-kinase targeted therapy in ovarian cancer. 2004 , 3, 1283-9	16
2026	Diffuse aggressive lymphoma. 2004 , 2004, 221-36	62
2025	Positive regulation of phagocytosis by SIRPbeta and its signaling mechanism in macrophages. 2004 , 279, 29450-60	46
2024	The phosphoinositide 3,4-bisphosphate-binding protein TAPP1 interacts with syntrophins and regulates actin cytoskeletal organization. 2004 , 279, 53717-24	46
2023	Calmodulin-mediated activation of Akt regulates survival of c-Myc-overexpressing mouse mammary carcinoma cells. 2004 , 279, 38903-11	78
2022	Two distinct waves of membrane-proximal B cell antigen receptor signaling differentially regulated by Src homology 2-containing inositol polyphosphate 5-phosphatase. 2004 , 172, 331-9	28
2021	Involvement of insulin/phosphoinositide 3-kinase/Akt signal pathway in 17 beta-estradiol-mediated neuroprotection. 2004 , 279, 13086-94	126
2020	Interaction of monocytes with vascular smooth muscle cells regulates monocyte survival and differentiation through distinct pathways. 2004 , 24, 2263-70	53

2019	Adaptor ShcA protein binds tyrosine kinase Tie2 receptor and regulates migration and sprouting but not survival of endothelial cells. 2004 , 279, 13224-33	39
2018	Progesterone and insulin stimulation of CPEB-dependent polyadenylation is regulated by Aurora A and glycogen synthase kinase-3. 2004 , 18, 48-61	94
2017	Early activation of sphingosine kinase in mast cells and recruitment to FcepsilonRI are mediated by its interaction with Lyn kinase. 2004 , 24, 8765-77	63
2016	Regulation of protein synthesis associated with skeletal muscle hypertrophy by insulin-, amino acid- and exercise-induced signalling. 2004 , 63, 351-6	145
2015	Phosphatidylinositol 4,5-bisphosphate regulates adipocyte actin dynamics and GLUT4 vesicle recycling. 2004 , 279, 30622-33	47
2014	The Hepatitis C virus NS5A protein activates a phosphoinositide 3-kinase-dependent survival signaling cascade. 2004 , 279, 12232-41	175
2013	Neuroprotective role of a proline-rich Akt substrate in apoptotic neuronal cell death after stroke: relationships with nerve growth factor. 2004 , 24, 1584-93	103
2012	Inhibition of Akt kinase activity by a peptide spanning the betaA strand of the proto-oncogene TCL1. 2004 , 279, 53407-18	71
2011	Hypoxia induces macrophage inflammatory protein-2 (MIP-2) gene expression in murine macrophages via NF-kappaB: the prominent role of p42/ p44 and PI3 kinase pathways. 2004 , 18, 1090-2	70
2010	Erythropoietin protects the kidney against the injury and dysfunction caused by ischemia-reperfusion. 2004 , 15, 2115-24	345
2009	RNAi-based analysis of CAP, Cbl, and CrkII function in the regulation of GLUT4 by insulin. 2004 , 279, 37431-5	76
2008	Involvement of Ras activation in human breast cancer cell signaling, invasion, and anoikis. 2004 , 64, 4585-92	171
2007	Peroxisomal targeting as a tool for assaying protein-protein interactions in the living cell: cytokine-independent survival kinase (CISK) binds PDK-1 in vivo in a phosphorylation-dependent manner. 2004 , 279, 4794-801	10
2006	MUC1 oncoprotein activates the FOXO3a transcription factor in a survival response to oxidative stress. 2004 , 279, 45721-7	87
2005	3,3',5-Triiodo-L-thyronine up-regulation of Na,K-ATPase activity and cell surface expression in alveolar epithelial cells is Src kinase- and phosphoinositide 3-kinase-dependent. 2004 , 279, 47589-600	63
2004	LY-294002 [2-(4-morpholinyl)-8-phenyl-4H-1-benzopyran-4-one] affects calcium signaling in airway smooth muscle cells independently of phosphoinositide 3-kinase inhibition. 2004 , 311, 787-93	27
2003	Regulation of mTOR function in response to hypoxia by REDD1 and the TSC1/TSC2 tumor suppressor complex. 2004 , 18, 2893-904	982
2002	YC-1 prevents sodium nitroprusside-mediated apoptosis in vascular smooth muscle cells. 2004 , 61, 152-8	32

2001	Functions of lipoprotein receptors in neurons. 2004 , 45, 403-9	113
2000	From the cyclooxygenase-2 inhibitor celecoxib to a novel class of 3-phosphoinositide-dependent protein kinase-1 inhibitors. 2004 , 64, 4309-18	233
1999	Molecular and cellular determinants of skeletal muscle atrophy and hypertrophy. 2004 , 2004, re11	84
1998	Real-time three-dimensional imaging of lipid signal transduction: apical membrane insertion of epithelial Na(+) channels. 2004 , 287, C1569-76	45
1997	Leukocyte elastase induces epithelial apoptosis: role of mitochondrial permeability changes and Akt. 2004 , 287, G286-98	50
1996	Signaling at the slit diaphragm. 2004 , 15, 1382-91	205
1995	Glucose activates H(+)-ATPase in kidney epithelial cells. 2004 , 287, C97-105	40
1994	Atypical protein kinase C (PKCzeta/lambda) is a convergent downstream target of the insulin-stimulated phosphatidylinositol 3-kinase and TC10 signaling pathways. 2004 , 164, 279-90	82
1993	The phosphoinositide 3-kinase inhibitor LY294002 enhances cardiac myocyte contractility via a direct inhibition of I _{k,slow} currents. 2004 , 62, 509-20	28
1992	The phosphatidylinositol-3 kinase pathway regulates bladder cancer cell invasion. 2004 , 93, 143-50	92
1991	Compound heterozygosity for Pten and SHIP augments T-dependent humoral immune responses and cytokine production by CD(4+) T cells. 2004 , 112, 404-12	11
1990	Mycobacterium leprae infection of human Schwann cells depends on selective host kinases and pathogen-modulated endocytic pathways. 2004 , 238, 429-437	12
1989	Examination of the signal transduction pathways leading to activation of gelatinolytic activity by interleukin-1alpha and Porphyromonas gingivalis in human osteosarcoma cells. 2004 , 39, 168-74	17
1988	Rapid vesicular translocation and insertion of TRP channels. 2004 , 6, 709-20	450
1987	Cancer genes and the pathways they control. 2004 , 10, 789-99	3175
1986	Tumour-suppressor function in the nervous system. 2004 , 4, 184-96	22
1985	Akt negatively regulates the in vitro lifespan of human endothelial cells via a p53/p21-dependent pathway. 2004 , 23, 212-20	256
1984	Phosphorylation of eucaryotic translation initiation factor 4B Ser422 is modulated by S6 kinases. 2004 , 23, 1761-9	363

1983	Of yeast and men. The evolution of PtdIns(3,4,5)P(3) synthesis. 2004 , 5, 865-6	5
1982	JAK/STAT, Raf/MEK/ERK, PI3K/Akt and BCR-ABL in cell cycle progression and leukemogenesis. 2004 , 18, 189-218	526
1981	Restoration of SHIP activity in a human leukemia cell line downregulates constitutively activated phosphatidylinositol 3-kinase/Akt/GSK-3beta signaling and leads to an increased transit time through the G1 phase of the cell cycle. 2004 , 18, 1839-49	68
1980	Target of rapamycin (TOR): an integrator of nutrient and growth factor signals and coordinator of cell growth and cell cycle progression. 2004 , 23, 3151-71	998
1979	An essential role for protein synthesis in oncogenic cellular transformation. 2004 , 23, 3145-50	38
1978	AKT and mTOR phosphorylation is frequently detected in ovarian cancer and can be targeted to disrupt ovarian tumor cell growth. 2004 , 23, 5853-7	328
1977	Sonic hedgehog and insulin-like growth factor signaling synergize to induce medulloblastoma formation from nestin-expressing neural progenitors in mice. 2004 , 23, 6156-62	204
1976	Gastrointestinal stromal tumors (GISTs) with KIT and PDGFRA mutations have distinct gene expression profiles. 2004 , 23, 7780-90	121
1975	Red wine polyphenols induce EDHF-mediated relaxations in porcine coronary arteries through the redox-sensitive activation of the PI3-kinase/Akt pathway. 2004 , 142, 1131-6	59
1974	Renewing the conspiracy theory debate: does Raf function alone to mediate Ras oncogenesis?. 2004 , 14, 639-47	258
1973	I-proteins - a proposed switch in myotubularin function. 2004 , 29, 58-61	9
1972	Potential of paclitaxel cytotoxicity in lung and esophageal cancer cells by pharmacologic inhibition of the phosphoinositide 3-kinase/protein kinase B (Akt)-mediated signaling pathway. 2004 , 127, 365-75	44
1971	Modeling of cell signaling pathways in macrophages by semantic networks. 2004 , 5, 156	5
1970	Signal transduction pathways: new targets for treating rheumatoid arthritis. 2004 , 71, 503-10	59
1969	Smart drugs in prostate cancer. 2004 , 45, 1-17	27
1968	Phosphatidylinositol-3-kinase activation mediates proline-rich tyrosine kinase 2 phosphorylation and recruitment to beta1-integrins in human CD34+ cells. 2004 , 32, 1051-6	26
1967	Signaling kinases modulated by 4-hydroxynonenal. 2004 , 37, 1694-702	115
1966	Endothelial cell integrins and COX-2: mediators and therapeutic targets of tumor angiogenesis. 2004 , 1654, 51-67	48

1965	Reduction of androgen receptor expression by benzo[alpha]pyrene and 7,8-dihydro-9,10-epoxy-7,8,9,10-tetrahydrobenzo[alpha]pyrene in human lung cells. 2004 , 67, 1523-30	29
1964	Involvement of phosphatidylinositol 3-kinase and insulin-like growth factor-I in YXLST-mediated neuroprotection. 2004 , 1006, 198-206	17
1963	Akt phosphorylation and kinase activity are down-regulated during hibernation in the 13-lined ground squirrel. 2004 , 1014, 14-21	52
1962	Dysregulation of HIF and VEGF is a unifying feature of the familial hamartoma syndromes. 2004 , 6, 7-10	146
1961	PTEN activation contributes to tumor inhibition by trastuzumab, and loss of PTEN predicts trastuzumab resistance in patients. 2004 , 6, 117-27	1462
1960	NHERF2 increases platelet-derived growth factor-induced proliferation through PI-3-kinase/Akt-, ERK-, and Src family kinase-dependent pathway. 2004 , 16, 791-800	12
1959	Drosophila PI3 kinase and Akt involved in insulin-stimulated proliferation and ERK pathway activation in Schneider cells. 2004 , 16, 1309-17	23
1958	Tyrosine kinase receptors as attractive targets of cancer therapy. 2004 , 50, 23-38	140
1957	Imaging glucose-regulated insulin secretion and gene expression in single islet beta-cells: control by AMP-activated protein kinase. 2004 , 40, 179-90	3
1956	Inhibition of akt/protein kinase B signaling by naltrindole in small cell lung cancer cells. 2004 , 64, 8723-30	35
1955	Phosphatidylinositol 3-kinase and Akt participate in the FSH-induced meiotic maturation of mouse oocytes. 2004 , 69, 77-86	52
1954	Signaling mechanisms that mediate invasion in prostate cancer cells. 2004 , 1028, 283-8	13
1953	Nongenomic androgen activation of phosphatidylinositol 3-kinase/Akt signaling pathway in MC3T3-E1 osteoblasts. 2004 , 19, 1181-90	89
1952	Epidermal growth factor receptor is activated by hyposmolarity and is an early signal modulating osmolyte efflux pathways in Swiss 3T3 fibroblasts. 2004 , 447, 830-9	29
1951	Gefitinib ('IRESSA', ZD1839) inhibits EGF-induced invasion in prostate cancer cells by suppressing PI3 K/AKT activation. 2004 , 130, 604-14	35
1950	Imaging glucose-regulated insulin secretion and gene expression in single islet β cells. 2004 , 2004, 179-190	
1949	The small GTPase Rac is involved in clustering of hippocampal neurons and fasciculation of their neurites. 2004 , 370, 211-22	8
1948	Modulation of the olfactory CNG channel by PtdIns(3,4,5)P ₃ . 2004 , 201, 51-7	50

1947	The conserved signaling pathways and physiological functions of insulin-like peptides in insects. 2004 , 8, 227-234	
1946	Macrophage colony-stimulating factor-, granulocyte-macrophage colony-stimulating factor-, or IL-3-dependent survival of macrophages, but not proliferation, requires the expression of p21(Waf1) through the phosphatidylinositol 3-kinase/Akt pathway. 2004 , 34, 2257-67	51
1945	The antiapoptotic effect of guanosine is mediated by the activation of the PI 3-kinase/AKT/PKB pathway in cultured rat astrocytes. 2004 , 46, 356-68	61
1944	PI3K inhibitors block skeletogenesis but not patterning in sea urchin embryos. 2004 , 229, 713-21	13
1943	Molecular mechanisms underlying IGF-I-induced attenuation of the growth-inhibitory activity of trastuzumab (Herceptin) on SKBR3 breast cancer cells. 2004 , 108, 334-41	170
1942	Resveratrol modulates the phosphoinositide 3-kinase pathway through an estrogen receptor alpha-dependent mechanism: relevance in cell proliferation. 2004 , 109, 167-73	113
1941	Dexamethasone inhibits insulin-induced chondrogenesis of ATDC5 cells by preventing PI3K-Akt signaling and DNA binding of Runx2. 2004 , 93, 374-83	48
1940	Chronic expression of RET/PTC 3 enhances basal and insulin-stimulated PI3 kinase/AKT signaling and increases IRS-2 expression in FRTL-5 thyroid cells. 2004 , 41, 98-107	39
1939	Biochimie des hormones et leurs mcanismes d'action: rcepteurs membranaires. 2004 , 1, 169-199	
1938	Les voies de signalisation intracellulaire: de nouvelles cibles thrapeutiques dans la polyarthrite rhumatoïde. 2004 , 71, 1104-1113	2
1937	Targeting c-Kit mutations: basic science to novel therapies. 2004 , 28 Suppl 1, S11-20	76
1936	Functional folding of a cytoplasmic single-chain variable fragment and its use as elutable protein purification tag. 2004 , 92, 185-92	3
1935	Protein-lipid interactions and phosphoinositide metabolism in membrane traffic: insights from vesicle recycling in nerve terminals. 2004 , 101, 8262-9	262
1934	Alterations in lens protein tyrosine phosphorylation and phosphatidylinositol 3-kinase signaling during selenite cataract formation. 2004 , 28, 135-44	7
1933	The phosphatidylinositol 3-kinase/Akt pathway enhances Smad3-stimulated mesangial cell collagen I expression in response to transforming growth factor-beta1. 2004 , 279, 2632-9	175
1932	Molecular targeting: PI3 kinase pathway. 2004 , 15 Suppl 4, iv233-9	37
1931	Tracing kinetic intermediates during ligand binding. 2004 , 126, 9017-23	27
1930	Hepatitis C virus NS5A: tales of a promiscuous protein. 2004 , 85, 2485-2502	320

1929	Uncoupling insulin signalling by serine/threonine phosphorylation: a molecular basis for insulin resistance. 2004 , 32, 812-6	87
1928	Tumor necrosis factor (TNF)-mediated neuroprotection against glutamate-induced excitotoxicity is enhanced by N-methyl-D-aspartate receptor activation. Essential role of a TNF receptor 2-mediated phosphatidylinositol 3-kinase-dependent NF-kappa B pathway. 2004 , 279, 32869-81	314
1927	Quantitative methods for the analysis of protein phosphorylation in drug development. 2004 , 1, 327-41	70
1926	Role of phosphatidylinositol 3-kinase in the development of hepatocyte preconditioning. 2004 , 127, 914-23	57
1925	New anti-inflammatory approaches in COPD. 2004 , 1, 335-343	4
1924	Fluoxetine and olanzapine have synergistic effects in the modulation of fibroblast growth factor 2 expression within the rat brain. 2004 , 55, 1095-102	91
1923	Development of rationally designed, target-based agents for the treatment of advanced colorectal cancer. 2004 , 4, 107-23	4
1922	The interleukin (IL)-2 family cytokines: survival and proliferation signaling pathways in T lymphocytes. 2004 , 33, 109-42	111
1921	Apoptosis in Ovarian Development, Function, and Failure. 2004 , 321-352	6
1920	17beta-estradiol reduces cardiomyocyte apoptosis in vivo and in vitro via activation of phospho-inositide-3 kinase/Akt signaling. 2004 , 95, 692-9	270
1919	Insulin Action, Post-Receptor Mechanisms. 2004 , 14-22	0
1918	PI3Kgamma modulates the cardiac response to chronic pressure overload by distinct kinase-dependent and -independent effects. 2004 , 118, 375-87	401
1917	Early steps of insulin receptor signaling in chicken and rat: apparent refractoriness in chicken muscle. 2004 , 26, 127-42	56
1916	From Ras signalling to ChoK inhibitors: a further advance in anticancer drug design. 2004 , 206, 137-48	30
1915	Overexpression of transglutaminase 2 accelerates the erythroid differentiation of human chronic myelogenous leukemia K562 cell line through PI3K/Akt signaling pathway. 2004 , 577, 361-6	21
1914	Mycobacterium leprae infection of human Schwann cells depends on selective host kinases and pathogen-modulated endocytic pathways. 2004 , 238, 429-37	12
1913	Ras inhibition amplifies cisplatin sensitivity of human glioblastoma. 2004 , 320, 493-500	15
1912	Antiapoptotic effect of ouabain on human umbilical vein endothelial cells. 2004 , 321, 716-21	40

1911	Reduction of PTP1B induces differential expression of PI3-kinase (p85alpha) isoforms. 2004 , 323, 652-9	6
1910	SU5416 inhibited VEGF and HIF-1alpha expression through the PI3K/AKT/p70S6K1 signaling pathway. 2004 , 324, 471-80	51
1909	Inhibition of p38 mitogen-activated protein kinase reduces TNF-induced activation of NF-kappaB, elicits caspase activity, and enhances cytotoxicity. 2004 , 293, 196-206	40
1908	Interferon-gamma engages the p70 S6 kinase to regulate phosphorylation of the 40S S6 ribosomal protein. 2004 , 295, 173-82	71
1907	HLA-DR signaling inhibits Fas-mediated apoptosis in A375 melanoma cells. 2004 , 299, 79-90	20
1906	Cytokine-induced phosphoinositide 3-kinase activity promotes Cdk2 activation in factor-dependent hematopoietic cells. 2004 , 299, 257-66	14
1905	The role of phosphoinositide-3 kinase and PTEN in cardiovascular physiology and disease. 2004 , 37, 449-71	381
1904	NGF-induced axon growth is mediated by localized inactivation of GSK-3beta and functions of the microtubule plus end binding protein APC. 2004 , 42, 897-912	447
1903	Increased level of neuronal phosphoinositide 3-kinase gamma by the activation of mu-opioid receptor in the mouse periaqueductal gray matter: further evidence for the implication in morphine-induced antinociception. 2004 , 124, 515-21	18
1902	Vasoactive intestinal peptide increases vascular endothelial growth factor expression and neuroendocrine differentiation in human prostate cancer LNCaP cells. 2004 , 119, 69-75	39
1901	PDK1, the master regulator of AGC kinase signal transduction. 2004 , 15, 161-70	621
1900	PI 3-kinase, Akt and cell survival. 2004 , 15, 177-82	635
1899	Examination of the signal transduction pathways involved in matrix metalloproteinases-2 in human pulp cells. 2004 , 97, 398-403	22
1898	Ablation of phosphoinositide 3-kinase-gamma reduces the severity of acute pancreatitis. 2004 , 165, 2003-11	42
1897	Insulin regulates hepatic apolipoprotein B production independent of the mass or activity of Akt1/PKBalpha. 2004 , 53, 228-35	31
1896	Differential regulation of the regulatory subunits for phosphatidylinositol 3-kinase in response to motor nerve injury. 2004 , 131, 119-25	8
1895	Phosphatidylinositol 3-kinase, phosphoinositide-specific phospholipase-Cgamma and protein kinase-C signal myelin phagocytosis mediated by complement receptor-3 alone and combined with scavenger receptor-AI/II in macrophages. 2004 , 15, 279-86	33
1894	Phosphatidylinositol-3 kinase/Akt and GSK-3 mediated cytoprotective effect of epigallocatechin gallate on oxidative stress-injured neuronal-differentiated N18D3 cells. 2004 , 25, 793-802	77

1893	Insulin induces alpha1B-adrenergic receptor phosphorylation and desensitization. 2004 , 75, 1937-47	15
1892	GRP1 pleckstrin homology domain: activation parameters and novel search mechanism for rare target lipid. 2004 , 43, 16161-73	66
1891	The IGF-1/PI3K/Akt pathway prevents expression of muscle atrophy-induced ubiquitin ligases by inhibiting FOXO transcription factors. 2004 , 14, 395-403	1428
1890	Principles of tumor suppression. 2004 , 116, 235-46	766
1889	Pioglitazone prevents hypertension and reduces oxidative stress in diet-induced obesity. 2004 , 43, 48-56	160
1888	Common and distinct elements in cellular signaling via EGF and FGF receptors. <i>Science</i> , 2004 , 306, 1506-33.3	344
1887	The STATs of cancer--new molecular targets come of age. 2004 , 4, 97-105	1845
1886	A computational model for the electrostatic sequestration of PI(4,5)P2 by membrane-adsorbed basic peptides. 2004 , 86, 1969-86	87
1885	Electrostatic sequestration of PIP2 on phospholipid membranes by basic/aromatic regions of proteins. 2004 , 86, 2188-207	251
1884	Closing the loops: new insights into the role and regulation of actin during cell polarization. 2004 , 301, 8-15	15
1883	Erythropoietin attenuates the tissue injury associated with hemorrhagic shock and myocardial ischemia. 2004 , 22, 63-9	128
1882	Phosphoinositide 3-kinase and Akt occupy central roles in inflammatory responses of Toll-like receptor 2-stimulated neutrophils. 2004 , 172, 5727-33	117
1881	PTEN function: how normal cells control it and tumour cells lose it. 2004 , 382, 1-11	409
1880	Biochimie des hormones et leurs mcanismes d'action : rcepteurs membranaires. 2004 , 1, 1-21	1
1879	Guanosine protects SH-SY5Y cells against beta-amyloid-induced apoptosis. 2004 , 15, 833-6	44
1878	Anemia, thrombocytopenia, leukocytosis, extramedullary hematopoiesis, and impaired progenitor function in Pten+/-SHIP-/- mice: a novel model of myelodysplasia. 2004 , 103, 4503-10	30
1877	Mechanisms and implications of phosphoinositide 3-kinase delta in promoting neutrophil trafficking into inflamed tissue. 2004 , 103, 3448-56	179
1876	The phosphoserine-585-dependent pathway of the GM-CSF/IL-3/IL-5 receptors mediates hematopoietic cell survival through activation of NF-kappaB and induction of bcl-2. 2004 , 103, 820-7	65

1875	Distinct roles for insulin and insulin-like growth factor-1 receptors in pancreatic beta-cell glucose sensing revealed by RNA silencing. 2004 , 377, 149-58	73
1874	Phosphoinositide 3-kinase: the protein kinase that time forgot. 2004 , 32, 330-1	14
1873	Acute regulation of the tumour suppressor phosphatase, PTEN, by anionic lipids and reactive oxygen species. 2004 , 32, 338-42	31
1872	Inhibiting the phosphoinositide 3-kinase pathway for cancer treatment. 2004 , 32, 393-6	83
1871	Regulators of vascular endothelial growth factor expression in cancer. 2004 , 119, 33-58	3
1870	Defects in secretion, aggregation, and thrombus formation in platelets from mice lacking Akt2. 2004 , 113, 441-450	177
1869	Phosphoinositide 3-kinase regulates excitation-contraction coupling in neonatal cardiomyocytes. 2004 , 286, H796-805	20
1868	Insulin and Growth Factor Signaling. 2005 , 45-83	1
1867	Accumulation of p53 and reductions in XIAP abundance promote the apoptosis of prostate cancer cells. 2005 , 65, 7717-23	49
1866	PI3K/Akt/mTOR pathway as a target for cancer therapy. 2005 , 16, 797-803	354
1865	A forkhead in the road to longevity: the molecular basis of lifespan becomes clearer. 2005 , 23, 1285-309	72
1864	Intracellular signaling in platelets. 2005 , 12, 401-5	32
1863	The slit diaphragm: a signaling platform to regulate podocyte function. 2005 , 14, 211-6	170
1862	Activation of mammalian target of rapamycin in transformed B lymphocytes is nutrient dependent but independent of Akt, mitogen-activated protein kinase/extracellular signal-regulated kinase kinase, insulin growth factor-I, and serum. 2005 , 65, 7800-8	68
1861	Isoflurane protects against myocardial infarction during early reperfusion by activation of phosphatidylinositol-3-kinase signal transduction: evidence for anesthetic-induced postconditioning in rabbits. 2005 , 102, 102-9	225
1860	Role of L-type calcium channel blocking in epidermal growth factor receptor-independent activation of extracellular signal regulated kinase 1/2. 2005 , 23, 337-50	8
1859	mTOR regulates cell survival after etoposide treatment in primary AML cells. 2005 , 106, 4261-8	146
1858	The relative role of PLCbeta and PI3Kgamma in platelet activation. 2005 , 106, 110-7	120

1857	Rapid and large amount of autocrine IL-3 production is responsible for mast cell survival by IgE in the absence of antigen. 2005 , 105, 2059-65	59
1856	Reconstitution of the mammalian PI3K/PTEN/Akt pathway in yeast. 2005 , 390, 613-23	72
1855	The Insulin Receptor and Downstream Signalling. 2005 , 1-62	
1854	Differential effects of diallyl disulfide on neuronal cells depend on its concentration. 2005 , 211, 86-96	18
1853	Involvement of neutral endopeptidase in neoplastic progression. 2005 , 1751, 52-9	82
1852	Hepatocyte growth factor, its receptor, and their potential value in cancer therapies. 2005 , 53, 35-69	210
1851	Relaxin stimulates multiple signaling pathways: activation of cAMP, PI3K, and PKCzeta in THP-1 cells. 2005 , 1041, 272-9	27
1850	Leptin treatment induces loss of bone marrow adipocytes and increases bone formation in leptin-deficient ob/ob mice. 2005 , 20, 994-1001	205
1849	PI3K/AKT signaling and systemic autoimmunity. 2005 , 31, 47-55	55
1848	Oxidative stress and neuronal death/survival signaling in cerebral ischemia. 2005 , 31, 105-16	161
1847	Mouse embryonic stem cells and preimplantation embryos require signaling through the phosphatidylinositol 3-kinase pathway to suppress apoptosis. 2005 , 70, 324-32	30
1846	Oncogenic Ras in tumour progression and metastasis. 2005 , 386, 193-205	213
1845	Signal transduction of oncogenic Flt3. 2005 , 82, 93-9	69
1844	Modification of protein sub-nuclear localization by synthetic phosphoinositides: evidence for nuclear phosphoinositide signaling mechanisms. 2005 , 45, 171-85	12
1843	NT3 inhibits FGF2-induced neural progenitor cell proliferation via the PI3K/GSK3 pathway. 2005 , 93, 1251-61	34
1842	Leptin induces a novel form of NMDA receptor-dependent long-term depression. 2005 , 95, 396-405	86
1841	PilT is required for PI(3,4,5)P3-mediated crosstalk between Neisseria gonorrhoeae and epithelial cells. 2005 , 7, 1271-84	58
1840	Examination of the signal transduction pathways leading to upregulation of tissue type plasminogen activator by Porphyromonas endodontalis in human pulp cells. 2005 , 38, 860-5	11

1839	Mechanisms regulating GLUT4 glucose transporter expression and glucose transport in skeletal muscle. 2005 , 183, 43-58	136
1838	Review article: an unexpected virus-host interaction--the hepatitis C virus-diabetes link. 2005 , 22 Suppl 2, 56-60	30
1837	Assessment of somatic mutations in phosphatidylinositol 3-kinase gene in human lymphoma and acute leukaemia. 2005 , 131, 411-3	23
1836	Novel therapeutic strategies targeting growth factor signalling cascades in multiple myeloma. 2006 , 132, 385-97	64
1835	Stat3-induced apoptosis requires a molecular switch in PI(3)K subunit composition. 2005 , 7, 392-8	95
1834	Toll-like receptor-mediated cytokine production is differentially regulated by glycogen synthase kinase 3. 2005 , 6, 777-84	890
1833	Oncogenic PI3K deregulates transcription and translation. 2005 , 5, 921-9	622
1832	Mechanisms of type-I- and type-II-interferon-mediated signalling. 2005 , 5, 375-86	2190
1831	Autophagy: dual roles in life and death?. 2005 , 6, 505-10	811
1830	Role of poly(ADP-ribose) polymerase activity in imatinib mesylate-induced cell death. 2005 , 12, 627-36	11
1829	Olanzapine impairs glycogen synthesis and insulin signaling in L6 skeletal muscle cells. 2005 , 10, 1089-96	83
1828	PIK3CA gene is frequently mutated in breast carcinomas and hepatocellular carcinomas. 2005 , 24, 1477-80	443
1827	Cellular retinol-binding protein-I inhibits PI3K/Akt signaling through a retinoic acid receptor-dependent mechanism that regulates p85-p110 heterodimerization. 2005 , 24, 1598-606	41
1826	Chronic activation of protein kinase Bbeta/Akt2 leads to multinucleation and cell fusion in human epithelial kidney cells: events associated with tumorigenesis. 2005 , 24, 5459-70	30
1825	Muc1 affects c-Src signaling in PyV MT-induced mammary tumorigenesis. 2005 , 24, 5799-808	44
1824	FOXO transcription factors at the interface between longevity and tumor suppression. 2005 , 24, 7410-25	1007
1823	The Akt of translational control. 2005 , 24, 7426-34	154
1822	Plasma membrane phosphoinositide organization by protein electrostatics. 2005 , 438, 605-11	707

1821	Expression of proline-rich Akt-substrate PRAS40 in cell survival pathway and carcinogenesis. 2005 , 26, 1253-8	40
1820	Binding of PLCdelta1PH-GFP to PtdIns(4,5)P2 prevents inhibition of phospholipase C-mediated hydrolysis of PtdIns(4,5)P2 by neomycin. 2005 , 26, 1485-91	9
1819	Mutant PIK3CA promotes cell growth and invasion of human cancer cells. 2005 , 7, 561-73	726
1818	Recent advances in the protein kinase B signaling pathway. 2005 , 17, 150-7	304
1817	Serum withdrawal kills U937 cells by inducing a positive mutual interaction between reactive oxygen species and phosphoinositide 3-kinase. 2005 , 17, 197-204	30
1816	Stretch-induced Raf-1 activation in mesangial cells requires actin cytoskeletal integrity. 2005 , 17, 311-20	15
1815	The cardiac beta2-adrenergic signalling a new role for the cPLA2. 2005 , 17, 141-52	32
1814	Okadaic acid increases the phosphorylation state of alpha1A-adrenoceptors and induces receptor desensitization. 2005 , 525, 18-23	7
1813	Hypomorphic mutation of PDK1 suppresses tumorigenesis in PTEN(+/-) mice. 2005 , 15, 1839-46	130
1812	Age-related changes in phosphorylation of endothelial nitric oxide synthase in the rat penis. 2005 , 2, 347-55; discussion 355-7	61
1811	Probing phosphoinositide functions in signaling and membrane trafficking. 2005 , 15, 259-68	194
1810	Myosin-X: a molecular motor at the cell's fingertips. 2005 , 15, 533-9	99
1809	Restraining PI3K: mTOR signalling goes back to the membrane. 2005 , 30, 35-42	309
1808	Targeting apoptosis pathways in cancer therapy. 2005 , 55, 178-94	961
1807	Membrane localization of all class I PI 3-kinase isoforms suppresses c-Myc-induced apoptosis in Rat1 fibroblasts via Akt. 2005 , 95, 979-89	33
1806	Akt-induced promotion of cell-cycle progression at G2/M phase involves upregulation of NF-Y binding activity in PC12 cells. 2005 , 205, 270-7	55
1805	Airway inflammation: chemokine-induced neutrophilia and the class I phosphoinositide 3-kinases. 2005 , 35, 1283-91	61
1804	Phosphatidylinositol 3-kinase is required for the transcriptional activation of cyclin D2 in BCR activated primary mouse B lymphocytes. 2005 , 35, 2748-61	13

1803	Resveratrol-induced apoptosis in MCF-7 human breast cancer cells involves a caspase-independent mechanism with downregulation of Bcl-2 and NF-kappaB. 2005 , 115, 74-84	191
1802	Erythropoietin reduces the degree of arthritis caused by type II collagen in the mouse. 2005 , 52, 940-50	47
1801	The SH2 Domain: A Prototype for Protein Interaction Modules. 2005 , 5-36	4
1800	PH Domains. 2005 , 337-363	2
1799	Inactivation of bad by site-specific phosphorylation: the checkpoint for ischemic astrocytes to initiate or resist apoptosis. 2005 , 79, 798-808	15
1798	Resveratrol and breast cancer chemoprevention: molecular mechanisms. 2005 , 49, 462-71	119
1797	[Molecular therapy in gastroenterology and hepatology]. 2005 , 46, 861-2, 864-8, 870-2	0
1796	Inhibition of endogenous SHIP2 ameliorates insulin resistance caused by chronic insulin treatment in 3T3-L1 adipocytes. 2005 , 48, 336-44	18
1795	Blockade of epidermal growth factor receptor (EGFR) activity. 2005 , 53, 179-92	17
1794	15-Deoxy-delta12,14-prostaglandin J2, a neuroprotectant or a neurotoxicant?. 2005 , 216, 232-43	26
1793	Autocrine vascular endothelial growth factor signalling in breast cancer. Evidence from cell lines and primary breast cancer cultures in vitro. 2005 , 8, 197-204	107
1792	Decreased apoptosis in polyamine depleted IEC-6 cells depends on Akt-mediated NF-kappaB activation but not GSK3beta activity. 2005 , 10, 759-76	33
1791	PIK3CA mutations in glioblastoma multiforme. 2005 , 109, 639-42	70
1790	Phosphoinositide lipid second messengers: new paradigms for transepithelial signal transduction. 2005 , 450, 75-82	18
1789	Comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry (GC-TOF) for high resolution metabolomics: biomarker discovery on spleen tissue extracts of obese NZO compared to lean C57BL/6 mice. 2005 , 1, 65-73	150
1788	Molecular mechanisms of hormonal activity. II. Kinase systems. Systems with intracellular receptors. Transactivation of STS. 2005 , 70, 391-405	2
1787	Differential sensitivities of trastuzumab (Herceptin)-resistant human breast cancer cells to phosphoinositide-3 kinase (PI-3K) and epidermal growth factor receptor (EGFR) kinase inhibitors. 2005 , 91, 187-201	73
1786	Préconditionnement myocardique induit par les agents anesthésiques halogénés : bases fondamentales et implications cliniques. 2005 , 26, S5-S18	

1785	Molecular mechanisms of drug resistance. 2005 , 205, 275-92	1044
1784	Constitutive activation of phosphatidylinositol 3 kinase contributes to the survival of Hodgkin's lymphoma cells through a mechanism involving Akt kinase and mTOR. 2005 , 205, 498-506	142
1783	Changes in adipose tissue gene expression with energy-restricted diets in obese women. 2005 , 81, 1275-85	118
1782	Neurotrophin Small Molecule Mimetics: Candidate Therapeutic Agents for Neurological Disorders. 2005 , 5, 29-41	9
1781	Cell Migration During Zebrafish Gastrulation. 2005 , 71-105	
1780	From Tumorigenesis to Tumor Progression: Signaling Pathways Driving Tumor Invasion and Metastasis. 2005 , 299-339	1
1779	FRET-based reporters for intracellular enzyme activity. 2005 ,	
1778	Targeting Inducible Chemotherapy Resistance Mechanisms in Colon Cancer. 2005 , 209-228	1
1777	Signal transduction pathways and transcription factors as therapeutic targets in inflammatory disease: towards innovative antirheumatic therapy. 2005 , 11, 581-611	69
1776	Differential activation of stress-response signaling in load-induced cardiac hypertrophy and failure. 2005 , 23, 18-27	57
1775	mTOR-dependent suppression of protein phosphatase 2A is critical for phospholipase D survival signals in human breast cancer cells. 2005 , 280, 35829-35	41
1774	Akt mediates mechanical strain-induced collagen production by mesangial cells. 2005 , 16, 1661-72	42
1773	Genetic and genomic approaches to glomerulosclerosis. 2005 , 5, 497-507	7
1772	The emerging role of the PI3-K-Akt pathway in prostate cancer progression. 2005 , 8, 108-18	105
1771	Synthesis of the Na-K-ATPase gamma-subunit is regulated at both the transcriptional and translational levels in IMCD3 cells. 2005 , 288, F76-81	13
1770	Kinases as drug discovery targets in hematologic malignancies. 2005 , 5, 625-42	26
1769	YC-1 [3-(5'-hydroxymethyl-2'-furyl)-1-benzyl indazole] inhibits endothelial cell functions induced by angiogenic factors in vitro and angiogenesis in vivo models. 2005 , 314, 35-42	55
1768	Ontogeny of phosphoinositide 3-kinase signaling in developing heart: effect of acute beta-adrenergic stimulation. 2005 , 289, H1834-42	30

1767	The type I alpha inositol polyphosphate 4-phosphatase generates and terminates phosphoinositide 3-kinase signals on endosomes and the plasma membrane. 2005 , 16, 2218-33	90
1766	Vascular NADPH oxidases: molecular mechanisms of activation. 2005 , 65, 16-27	299
1765	Hydrogen peroxide and epidermal growth factor activate phosphatidylinositol 3-kinase and increase sodium transport in A6 cell monolayers. 2005 , 288, F1201-12	27
1764	Inositol hexakisphosphate kinase-2, a physiologic mediator of cell death. 2005 , 280, 1634-40	93
1763	Heterozygous knockout of neuregulin-1 gene in mice exacerbates doxorubicin-induced heart failure. 2005 , 289, H660-6	87
1762	Class II phosphoinositide 3-kinase defines a novel signaling pathway in cell migration. 2005 , 169, 789-99	206
1761	Structural evolution of the protein kinase-like superfamily. 2005 , 1, e49	191
1760	Breast cancer-associated PIK3CA mutations are oncogenic in mammary epithelial cells. 2005 , 65, 10992-1000	415
1759	Complement regulatory protein Crry/p65-mediated signaling in T lymphocytes: role of its cytoplasmic domain and partitioning into lipid rafts. 2005 , 78, 1386-96	22
1758	Blocking the PI3K/PKB pathway in tumor cells. 2005 , 5, 449-62	30
1757	Phosphatidylinositol 3-kinase-dependent signaling modulates taurochenodeoxycholic acid-induced liver injury and cholestasis in perfused rat livers. 2005 , 289, G88-94	28
1756	Class IA phosphoinositide 3-kinase regulates heart size and physiological cardiac hypertrophy. 2005 , 25, 9491-502	170
1755	Oncogenic H-Ras up-regulates expression of Ku80 to protect cells from gamma-ray irradiation in NIH3T3 cells. 2005 , 65, 6811-9	19
1754	Sequence motifs in IL-4R alpha mediating cell-cycle progression of primary lymphocytes. 2005 , 175, 5178-85	20
1753	The class II phosphoinositide 3-kinase C2beta is not essential for epidermal differentiation. 2005 , 25, 11122-30	53
1752	Insulin-like growth factor-1 (IGF-1) inversely regulates atrophy-induced genes via the phosphatidylinositol 3-kinase/Akt/mammalian target of rapamycin (PI3K/Akt/mTOR) pathway. 2005 , 280, 2737-44	365
1751	The p85 regulatory subunit of phosphoinositide 3-kinase down-regulates IRS-1 signaling via the formation of a sequestration complex. 2005 , 170, 455-64	126
1750	Local phosphatidylinositol 3,4,5-trisphosphate accumulation recruits Vav2 and Vav3 to activate Rac1/Cdc42 and initiate neurite outgrowth in nerve growth factor-stimulated PC12 cells. 2005 , 16, 2207-17	119

1749	In situ photoactivation of a caged phosphotyrosine peptide derived from focal adhesion kinase temporarily halts lamellar extension of single migrating tumor cells. 2005 , 280, 22091-101	27
1748	Tocopherol-associated protein suppresses prostate cancer cell growth by inhibition of the phosphoinositide 3-kinase pathway. 2005 , 65, 9807-16	79
1747	Role of phosphoinositide 3-kinase regulatory isoforms in development and actin rearrangement. 2005 , 25, 2593-606	103
1746	Stability of phosphoprotein as a biological marker of tumor signaling. 2005 , 11, 4338-40	135
1745	Isoflurane-induced myocardial preconditioning is dependent on phosphatidylinositol-3-kinase/Akt signalling. 2005 , 95, 756-63	48
1744	Role for Akt3/protein kinase Bgamma in attainment of normal brain size. 2005 , 25, 1869-78	463
1743	Anaplasma phagocytophilum delay of neutrophil apoptosis through the p38 mitogen-activated protein kinase signal pathway. 2005 , 73, 8209-18	64
1742	Human mesothelioma cells exhibit tumor cell-specific differences in phosphatidylinositol 3-kinase/AKT activity that predict the efficacy of Onconase. 2005 , 4, 835-42	48
1741	The phosphatidylinositol-3-kinase inhibitor PX-866 overcomes resistance to the epidermal growth factor receptor inhibitor gefitinib in A-549 human non-small cell lung cancer xenografts. 2005 , 4, 1349-57	145
1740	Interaction between Smad7 and beta-catenin: importance for transforming growth factor beta-induced apoptosis. 2005 , 25, 1475-88	104
1739	Measurement of the interaction of the p85alpha subunit of phosphatidylinositol 3-kinase with Rab5. 2005 , 403, 541-52	5
1738	Regulation of anaphylactic responses by phosphatidylinositol phosphate kinase type I {alpha}. 2005 , 201, 859-70	53
1737	Phosphatidylinositol 3-kinase-mediated effects of glucose on vacuolar H ⁺ -ATPase assembly, translocation, and acidification of intracellular compartments in renal epithelial cells. 2005 , 25, 575-89	173
1736	Reduced wall compliance suppresses Akt-dependent apoptosis protection stimulated by pulse perfusion. 2005 , 97, 587-95	30
1735	The negative regulation of phosphoinositide 3-kinase signaling by p85 and it's implication in cancer. 2005 , 4, 1309-12	83
1734	Mechanisms of disease: PI3K/AKT signaling in gastrointestinal cancers. 2005 , 43, 1133-9	97
1733	Possible involvement of phosphatidylinositol 3-kinase/Akt pathway in insulin-like growth factor-I-induced alkaline phosphatase activity in osteoblasts. 2005 , 37, 270-4	29
1732	[Tyrosine kinase inhibitors in tumor therapy--part 1. Molecular and genetic fundamentals]. 2005 , 130, 1318-22	2

1731	Modeling medulloblastoma with genetically engineered mice. 2005 , 19, E7	16
1730	PI3K activation by IGF-1 is essential for the regulation of membrane expansion at the nerve growth cone. 2005 , 118, 3653-62	92
1729	A hypoxia-independent hypoxia-inducible factor-1 activation pathway induced by phosphatidylinositol-3 kinase/Akt in HER2 overexpressing cells. 2005 , 65, 3257-63	84
1728	Functional analysis of PIK3CA gene mutations in human colorectal cancer. 2005 , 65, 4562-7	305
1727	Promises and pitfalls in the prediction of antiepidermal growth factor receptor activity. 2005 , 5, 727-35	2
1726	The Jak/Stat pathway: a novel way to regulate PI3K activity. 2005 , 4, 897-900	41
1725	Modulation of epithelial neoplasia and lymphoid hyperplasia in PTEN+/- mice by the p85 regulatory subunits of phosphoinositide 3-kinase. 2005 , 102, 10238-43	39
1724	Assay and stimulation of the Rab5 GTPase by the p85 alpha subunit of phosphatidylinositol 3-kinase. 2005 , 403, 552-61	7
1723	Molecular Basis of Thyroid Cancer. 2005 ,	1
1722	The PI3' kinase pathway in interferon signaling. 2005 , 25, 780-7	62
1721	The major target of the endogenously generated reactive oxygen species in response to insulin stimulation is phosphatase and tensin homolog and not phosphoinositide-3 kinase (PI-3 kinase) in the PI-3 kinase/Akt pathway. 2005 , 16, 348-57	142
1720	Impact of the liver-specific expression of SHIP2 (SH2-containing inositol 5'-phosphatase 2) on insulin signaling and glucose metabolism in mice. 2005 , 54, 1958-67	59
1719	Phosphoinositide 3-kinase accelerates postoperative tumor growth by inhibiting apoptosis and enhancing resistance to chemotherapy-induced apoptosis. Novel role for an old enemy. 2005 , 280, 20968-77	31
1718	CD28 regulates the translation of Bcl-xL via the phosphatidylinositol 3-kinase/mammalian target of rapamycin pathway. 2005 , 174, 180-94	52
1717	Knockdown of STAT3 expression by RNA interference inhibits the induction of breast tumors in immunocompetent mice. 2005 , 65, 2532-6	178
1716	Mitochondrial H2O2 regulates the angiogenic phenotype via PTEN oxidation. 2005 , 280, 16916-24	189
1715	Statins prevent oxidized LDL-induced injury of glomerular podocytes by activating the phosphatidylinositol 3-kinase/AKT-signaling pathway. 2005 , 16, 1936-47	95
1714	Overexpression of NBS1 contributes to transformation through the activation of phosphatidylinositol 3-kinase/Akt. 2005 , 280, 32505-11	55

1713	Graded mitogen-activated protein kinase activity precedes switch-like c-Fos induction in mammalian cells. 2005 , 25, 4676-82	89
1712	Semaphorin 4D/plexin-B1 induces endothelial cell migration through the activation of PYK2, Src, and the phosphatidylinositol 3-kinase-Akt pathway. 2005 , 25, 6889-98	122
1711	Building a human kinase gene repository: bioinformatics, molecular cloning, and functional validation. 2005 , 102, 8114-9	36
1710	Ligand-induced partitioning of human CXCR1 chemokine receptors with lipid raft microenvironments facilitates G-protein-dependent signaling. 2005 , 25, 5752-62	43
1709	Assigning functional domains within the p101 regulatory subunit of phosphoinositide 3-kinase gamma. 2005 , 280, 5121-7	51
1708	Phosphoinositide 3-kinase signaling to Akt promotes keratinocyte differentiation versus death. 2005 , 280, 32856-65	158
1707	Serum and glucocorticoid-responsive kinase-1 regulates cardiomyocyte survival and hypertrophic response. 2005 , 111, 1652-9	98
1706	IRS-1 and vascular complications in diabetes mellitus. 2005 , 70, 25-67	5
1705	A targeted mass spectrometric analysis of phosphatidylinositol phosphate species. 2005 , 46, 1796-802	83
1704	Carbon monoxide differentially modulates STAT1 and STAT3 and inhibits apoptosis via a phosphatidylinositol 3-kinase/Akt and p38 kinase-dependent STAT3 pathway during anoxia-reoxygenation injury. 2005 , 280, 8714-21	159
1703	Phosphatidylinositol 3-kinase p85{alpha} subunit-dependent interaction with BCR/ABL-related fusion tyrosine kinases: molecular mechanisms and biological consequences. 2005 , 25, 8001-8	23
1702	Insulin hypersensitivity and resistance to streptozotocin-induced diabetes in mice lacking PTEN in adipose tissue. 2005 , 25, 2498-510	157
1701	Flavivirus activates phosphatidylinositol 3-kinase signaling to block caspase-dependent apoptotic cell death at the early stage of virus infection. 2005 , 79, 8388-99	152
1700	Protein-protein coupling/uncoupling enables dopamine D2 receptor regulation of AMPA receptor-mediated excitotoxicity. 2005 , 25, 4385-95	61
1699	Assignment of the phosphoinositide-3-kinase, class 3 (PIK3C3) gene to porcine chromosome 6q22-->q23 by somatic cell and radiation hybrid panel mapping. 2005 , 108, 362	2
1698	TRAIL-induced apoptosis in human vascular endothelium is regulated by phosphatidylinositol 3-kinase/Akt through the short form of cellular FLIP and Bcl-2. 2005 , 42, 337-47	65
1697	Regulation of mTOR and cell growth in response to energy stress by REDD1. 2005 , 25, 5834-45	353
1696	Inositol polyphosphate multikinase is a nuclear PI3-kinase with transcriptional regulatory activity. 2005 , 102, 12783-8	90

1695	Deletion of the PDGFR-beta gene affects key fibroblast functions important for wound healing. 2005 , 280, 9375-89	77
1694	Inhibition of Src-like kinases reveals Akt-dependent and -independent pathways in insulin-like growth factor I-mediated oligodendrocyte progenitor survival. 2005 , 280, 8918-28	65
1693	Steroid-induced oocyte maturation in Atlantic croaker (<i>Micropogonias undulatus</i>) is dependent on activation of the phosphatidylinositol 3-kinase/Akt signal transduction pathway. 2005 , 73, 988-96	65
1692	Empirical bayes microarray ANOVA and grouping cell lines by equal expression levels. 2005 , 4, Article7	11
1691	Involvement of SHIP in TLR2-induced neutrophil activation and acute lung injury. 2005 , 174, 8064-71	35
1690	Expression of adipose differentiation-related protein (ADRP) is conjointly regulated by PU.1 and AP-1 in macrophages. 2005 , 138, 399-412	25
1689	Mutated PI 3-Kinases: Cancer Targets on a Silver Platter. 2005 , 4, 571-574	46
1688	Inhibitors of epidermoid growth factor receptor suppress cell growth and enhance chemosensitivity of nasopharyngeal cancer cells in vitro. 2005 , 68, 538-47	37
1687	GSK-3 β reactivation with LY294002 sensitizes hepatoma cells to chemotherapy-induced apoptosis. 2005 , 27, 215	2
1686	Regulation of interleukin-5-induced beta2-integrin adhesion of human eosinophils by phosphoinositide 3-kinase. 2005 , 33, 65-70	43
1685	Myostatin, the cardiac chalone of insulin-like growth factor-1. 2005 , 68, 347-9	30
1684	Targeting hypoxia and angiogenesis through HIF-1alpha inhibition. 2005 , 4, 1055-62	37
1683	Inhibiting phosphoinositide 3-kinases. 2005 , 4, 546-7	1
1682	PWT-458, a novel pegylated-17-hydroxywortmannin, inhibits phosphatidylinositol 3-kinase signaling and suppresses growth of solid tumors. 2005 , 4, 538-45	61
1681	Activation of AKT kinases in cancer: implications for therapeutic targeting. 2005 , 94, 29-86	613
1680	Role of TGF alpha stimulation of the ERK, PI3 kinase and PLC gamma pathways in ovarian cancer growth and migration. 2005 , 304, 305-16	22
1679	Oncogenic Ras-mediated downregulation of Gadd153/CHOP is required for Ras-induced cellular transformation. 2005 , 24, 4867-72	17
1678	Evidence for down-regulation of phosphoinositide 3-kinase/Akt/mammalian target of rapamycin (PI3K/Akt/mTOR)-dependent translation regulatory signaling pathways in Ames dwarf mice. 2005 , 60, 293-300	115

1677	The phosphoinositide 3-kinase signalling pathway as a therapeutic target in squamous cell carcinoma of the head and neck. 2005 , 9, 769-90	25
1676	From cellular receptors to transduction-transcription pathways for cytokines: at which level should the inhibition be targeted in inflammation?. 2005 , 5 Suppl 1, S83-96	8
1675	Vaticanol C-induced cell death is associated with inhibition of pro-survival signaling in HL60 human leukemia cell line. 2005 , 69, 353-6	20
1674	Protective effect of diallyl disulfide on oxidative stress-injured neuronally differentiated PC12 cells. 2005 , 133, 176-86	59
1673	A polybasic motif allows N-WASP to act as a sensor of PIP(2) density. 2005 , 17, 181-91	159
1672	Akt blocks breast cancer cell motility and invasion through the transcription factor NFAT. 2005 , 20, 539-50	341
1671	An anti-inflammatory role for a phosphoinositide 3-kinase inhibitor LY294002 in a mouse asthma model. 2005 , 5, 495-502	94
1670	Co-induction of cell death and survival pathways by phosphoinositide 3-kinase. 2005 , 78, 91-8	13
1669	Enhanced v-Src-induced oncogenic transformation in the absence of focal adhesion kinase is mediated by phosphatidylinositol 3-kinase. 2005 , 330, 673-84	14
1668	Inhibition of the PI3K pathway sensitizes fludarabine-induced apoptosis in human leukemic cells through an inactivation of MAPK-dependent pathway. 2005 , 331, 391-7	27
1667	Targeting survival signaling in heart failure. 2005 , 5, 165-70	24
1666	Function of the ING family of PHD proteins in cancer. 2005 , 37, 1054-65	79
1665	The SH2 domain containing inositol polyphosphate 5-phosphatase-2: SHIP2. 2005 , 37, 2260-5	50
1664	Tenascin-C promotes cell survival by activation of Akt in human chondrosarcoma cell. 2005 , 229, 101-5	19
1663	Phosphoinositide 3-kinase gamma controls autonomic regulation of the mouse heart through Gi-independent downregulation of cAMP level. 2005 , 579, 133-40	18
1662	Inhibition of GSK3beta by indirubins restores HIF-1alpha accumulation under prolonged periods of hypoxia/anoxia. 2005 , 579, 529-33	35
1661	Auxin-induced reactive oxygen species production requires the activation of phosphatidylinositol 3-kinase. 2005 , 579, 1243-8	108
1660	Comparison of phosphatidylinositol-3-kinase signalling within a panel of human colorectal cancer cell lines with mutant or wild-type PIK3CA. 2005 , 579, 5123-8	24

1659	DNA microarray analysis of gene expression in eutopic endometrium from patients with deep endometriosis using laser capture microdissection. 2005 , 84 Suppl 2, 1180-90	128
1658	Modulation of prosurvival signaling in fibroblasts by a protein kinase inhibitor protects against fibrotic tissue injury. 2005 , 166, 367-75	105
1657	Improved yields for baculovirus-mediated expression of human His(6)-PDK1 and His(6)-PKBbeta/Akt2 and characterization of phospho-specific isoforms for design of inhibitors that stabilize inactive conformations. 2005 , 43, 44-56	13
1656	Convergent signal transduction pathways controlling cardiomyocyte survival and function: the role of PI 3-kinase and Akt. 2005 , 38, 63-71	210
1655	Inhibition of the cell cycle with chemical inhibitors: a targeted approach. 2005 , 16, 369-81	12
1654	[Anaesthetic-induced myocardial preconditioning: fundamental basis and clinical implications]. 2005 , 24, 383-96	14
1653	FOXO transcription factors in cell-cycle regulation and the response to oxidative stress. 2005 , 7, 752-60	171
1652	Phosphatidylinositol 3-kinase regulates early differentiation in human laryngeal keratinocytes. 2005 , 41, 111-7	6
1651	Alternative and accessory pathways in the regulation of IFN-beta-mediated gene expression. 2005 , 25, 788-98	49
1650	Aging is associated with decreased pancreatic acinar cell regeneration and phosphatidylinositol 3-kinase/Akt activation. 2005 , 128, 1391-404	58
1649	Cytokines and signal transduction. 2005 , 18, 509-24	70
1648	Airway smooth muscle: a modulator of airway remodeling in asthma. 2005 , 116, 488-95; quiz 496	112
1647	Brain-derived growth factor and glial cell line-derived growth factor use distinct intracellular signaling pathways to protect PD cybrids from H2O2-induced neuronal death. 2005 , 20, 141-54	57
1646	Molecular determinants of the response of glioblastomas to EGFR kinase inhibitors. 2005 , 353, 2012-24	1211
1645	Identification of key residues in the A-Raf kinase important for phosphoinositide lipid binding specificity. 2005 , 44, 3432-40	18
1644	Interleukin-4 (IL-4) pathway. 2005 , 2005, cm9	17
1643	Drug Metabolism and Transport. 2005 ,	5
1642	Thyroid hormone induces rapid activation of Akt/protein kinase B-mammalian target of rapamycin-p70S6K cascade through phosphatidylinositol 3-kinase in human fibroblasts. 2005 , 19, 102-12	197

1641	Celecoxib analogues disrupt Akt signaling, which is commonly activated in primary breast tumours. 2005 , 7, R796-807	78
1640	Mutation of the PIK3CA oncogene in human cancers. 2006 , 94, 455-9	372
1639	Protein Tyrosine Kinases. 2006 ,	4
1638	Breast Cancer and Molecular Medicine. 2006 ,	2
1637	RAS Family GTPases. 2006 ,	
1636	Dihydrotestosterone differentially modulates the mitogen-activated protein kinase and the phosphoinositide 3-kinase/Akt pathways through the nuclear and novel membrane androgen receptor in C6 cells. 2006 , 147, 2028-34	93
1635	Anaesthesia, Pain, Intensive Care and Emergency A.P.I.C.E.. 2006 ,	1
1634	Differential roles of phosphoinositide-dependent protein kinase-1 and akt1 expression and phosphorylation in breast cancer cell resistance to Paclitaxel, Doxorubicin, and gemcitabine. 2006 , 70, 1045-52	41
1633	Clinical impact of research on the podocyte slit diaphragm. 2006 , 2, 271-82	75
1632	Regulation of phospholipase C isozymes by ras superfamily GTPases. 2006 , 46, 355-79	112
1631	The Science of Flavonoids. 2006 ,	131
1630	Synaptic cytoskeleton at the neuromuscular junction. 2006 , 75, 217-36	28
1629	Neurotrophin-regulated signalling pathways. 2006 , 361, 1545-64	1486
1628	Influenza A virus NS1 protein binds p85beta and activates phosphatidylinositol-3-kinase signaling. 2006 , 103, 14194-9	227
1627	The role of phosphoinositide 3-kinase/Akt signaling in low-dose mercury-induced mouse pancreatic beta-cell dysfunction in vitro and in vivo. 2006 , 55, 1614-24	91
1626	Regulation of membrane traffic by phosphoinositide 3-kinases. 2006 , 119, 605-14	359
1625	Genetics of inositol polyphosphates. 2006 , 39, 71-101	20
1624	Inositol phosphates and phosphoinositides in health and disease. 2006 , 39, 265-92	35

1623	The critical roles of serum/glucocorticoid-regulated kinase 3 (SGK3) in the hair follicle morphogenesis and homeostasis: the allelic difference provides novel insights into hair follicle biology. 2006 , 168, 1119-33	8
1622	Activation of mammalian target of rapamycin signaling promotes cell cycle progression and protects cells from apoptosis in mantle cell lymphoma. 2006 , 169, 2171-80	100
1621	Down-regulation of ubiquitin ligase Cbl induced by twist haploinsufficiency in Saethre-Chotzen syndrome results in increased PI3K/Akt signaling and osteoblast proliferation. 2006 , 169, 1303-11	35
1620	p63 and epithelial biology. 2006 , 312, 695-706	104
1619	A dual function for Deep orange in programmed autophagy in the Drosophila melanogaster fat body. 2006 , 312, 2018-27	69
1618	Altered caveolin-3 expression disrupts PI(3) kinase signaling leading to death of cultured muscle cells. 2006 , 312, 2816-25	32
1617	PTH-related protein upregulates integrin alpha6beta4 expression and activates Akt in breast cancer cells. 2006 , 312, 3822-34	26
1616	Airway smooth muscle as a regulator of immune responses and bronchomotor tone. 2006 , 27, 53-69, vi	34
1615	PTEN and SHIP2 phosphoinositide phosphatases as negative regulators of insulin signalling. 2006 , 112, 89-104	69
1614	Flavonoids as Nutraceuticals. 2006 , 213-238	35
1613	Hyperoxia stimulates an Nrf2-ARE transcriptional response via ROS-EGFR-PI3K-Akt/ERK MAP kinase signaling in pulmonary epithelial cells. 2006 , 8, 43-52	166
1612	Activation of Akt and ERK signalling pathways induced by etoposide confer chemoresistance in gastric cancer cells. 2006 , 38, 310-8	47
1611	PPAR-gamma agonist increase gefitinib's antitumor activity through PTEN expression. 2006 , 51, 297-301	82
1610	Oleic acid enhances vascular smooth muscle cell proliferation via phosphatidylinositol 3-kinase/Akt signaling pathway. 2006 , 54, 97-102	32
1609	Protease-activated receptor-2 simultaneously directs beta-arrestin-1-dependent inhibition and Galphaq-dependent activation of phosphatidylinositol 3-kinase. 2006 , 45, 9374-85	62
1608	Mitochondrial respiration defects in cancer cells cause activation of Akt survival pathway through a redox-mediated mechanism. 2006 , 175, 913-23	315
1607	Genetics and biology of pancreatic ductal adenocarcinoma. 2006 , 20, 1218-49	818
1606	Synthesis and biological activity of phospholipase C-resistant analogues of phosphatidylinositol 4,5-bisphosphate. 2006 , 128, 5642-3	21

1605	Vascular endothelial growth factor receptors: molecular mechanisms of activation and therapeutic potentials. 2006 , 83, 1005-16	72
1604	Analysis of apoptotic and survival mediators in the early post-natal and mature retina. 2006 , 83, 1482-92	20
1603	Loss of class IA PI3K signaling in muscle leads to impaired muscle growth, insulin response, and hyperlipidemia. 2006 , 3, 355-66	78
1602	Membrane and juxtamembrane targeting by PH and PTB domains. 2006 , 1761, 850-67	125
1601	PKCalpha reduces the lipid kinase activity of the p110alpha/p85alpha PI3K through the phosphorylation of the catalytic subunit. 2006 , 339, 122-5	14
1600	Novel cytoprotective mechanism of anti-parkinsonian drug deprenyl: PI3K and Nrf2-derived induction of antioxidative proteins. 2006 , 339, 915-22	79
1599	3,3'-Diindolylmethane downregulates pro-survival pathway in hormone independent prostate cancer. 2006 , 340, 718-25	56
1598	High-density lipoprotein is a potential growth factor for adrenocortical cells. 2006 , 344, 226-32	17
1597	Naringenin is a novel inhibitor of Dictyostelium cell proliferation and cell migration. 2006 , 345, 516-22	13
1596	Rat nephrin modulates cell morphology via the adaptor protein Nck. 2006 , 349, 310-6	43
1595	Enhancement of insulin signaling pathway in adipocytes by oxovanadium(IV) complexes. 2006 , 349, 1163-70	29
1594	Oroxlylin A induced apoptosis of human hepatocellular carcinoma cell line HepG2 was involved in its antitumor activity. 2006 , 351, 521-7	72
1593	Characterization of the murine Inpp4b gene and identification of a novel isoform. 2006 , 376, 152-61	34
1592	The phosphatidylinositol 3-kinase/Akt pathway regulates the HCCR-1 oncogene expression. 2006 , 384, 18-26	19
1591	External Qi of Yan Xin Qigong differentially regulates the Akt and extracellular signal-regulated kinase pathways and is cytotoxic to cancer cells but not to normal cells. 2006 , 38, 2102-13	31
1590	Inhibition of transforming growth factor-beta/Smad signaling by phosphatidylinositol 3-kinase pathway. 2006 , 242, 207-14	8
1589	A role for neurotrophins in embryonic stem cell growth. 2006 , 10, 158-9	1
1588	The redox regulation of PI 3-kinase-dependent signaling. 2006 , 8, 1765-74	119

1587	The androgen receptor and prostate cancer invasion. 2006 , 246, 157-62	13
1586	Aspartyl-(asparaginyl)-beta-hydroxylase regulates hepatocellular carcinoma invasiveness. 2006 , 44, 971-83	69
1585	Muscarinic acetylcholine receptors mediate oligodendrocyte progenitor survival through Src-like tyrosine kinases and PI3K/Akt pathways. 2006 , 48, 383-93	47
1584	Role of the mitogen-activated protein kinase and phosphoinositide 3-kinase/AKT pathways downstream molecules, phosphorylated extracellular signal-regulated kinase, and phosphorylated AKT in colorectal cancer-a tissue microarray-based approach. 2006 , 37, 1022-31	37
1583	Enhancement of cytokine-mediated NF-kappaB activation by phosphatidylinositol 3-kinase inhibitors in monocytic cells. 2006 , 6, 908-15	21
1582	Examination of the signal transduction pathways leading to upregulation of tissue type plasminogen activator by interleukin-1alpha in human pulp cells. 2006 , 32, 30-3	10
1581	17 beta-estradiol activates PI3K/Akt signaling pathway by estrogen receptor (ER)-dependent and ER-independent mechanisms in endometrial cancer cells. 2006 , 99, 9-18	68
1580	Mitogen-activated protein kinases and chemoresistance in pancreatic cancer cells. 2006 , 136, 325-35	67
1579	Control of mammalian oocyte growth and early follicular development by the oocyte PI3 kinase pathway: new roles for an old timer. 2006 , 299, 1-11	158
1578	Inositol phosphate metabolomics: merging genetic perturbation with modernized radiolabeling methods. 2006 , 39, 112-21	19
1577	Role of lipids in the MAPK signaling pathway. 2006 , 45, 102-19	34
1576	Ischemic preconditioning negatively regulates plenty of SH3s-mixed lineage kinase 3-Rac1 complex and c-Jun N-terminal kinase 3 signaling via activation of Akt. 2006 , 143, 431-44	16
1575	Non-genomic effects of the androgen receptor and vitamin D agonist are involved in suppressing invasive phenotype of prostate cancer cells. 2006 , 71, 304-9	17
1574	VEGFR-1 and VEGFR-2: two non-identical twins with a unique physiognomy. 2006 , 11, 818-29	145
1573	Effect of severe short-term malnutrition on diaphragm muscle signal transduction pathways influencing protein turnover. 2006 , 100, 1799-806	15
1572	Oxidant-mediated Akt activation in human RPE cells. 2006 , 47, 4598-606	80
1571	Stem cell factor (SCF)-kit mediated phosphatidylinositol 3 (PI3) kinase signaling during mammalian oocyte growth and early follicular development. 2006 , 11, 126-35	48
1570	Biological Foundations of Signal Transduction and the Systems Biology Perspective. 2006 , 149-168	1

1569 Apoptosis and chemoresistance. 339-361

1568 Cell Survival Signaling through Phosphoinositide 3-kinase and Protein Kinase B. 462-489

1567 Bibliography. 299-316

1566 Airway remodeling in asthma and its influence on clinical pathophysiology. **2006**, 209, 75-87 35

1565 The anticancer activities of wogonin in murine sarcoma S180 both in vitro and in vivo. **2006**, 29, 1132-7 58

1564 Signalling through Class I PI3Ks in mammalian cells. **2006**, 34, 647-62 441

1563 Essential role of PI3Kdelta and PI3Kgamma in thymocyte survival. **2006**, 107, 2415-22 95

1562 Constitutive activation of Akt contributes to the pathogenesis and survival of mantle cell lymphoma. **2006**, 108, 1668-76 221

1561 PI3-Kinase Inhibition. **2006**, 53-69 1

1560 Mouse embryocarcinoma F9 cells and retinoic acid: A model to study the molecular mechanisms of endodermal differentiation. **2006**, 16, 211-253 5

1559 Myocardial protection against ischemia-reperfusion injury: novel approaches in maintaining homeostatic stability in blood. **2006**, 1, 291-305 6

1558 Modulation of the phosphoinositide 3-kinase signaling pathway alters host response to sepsis, inflammation, and ischemia/reperfusion injury. **2006**, 25, 432-9 113

1557 Lack of phosphoinositide 3-kinase-gamma attenuates ventilator-induced lung injury. **2006**, 34, 134-41 58

1556 Tuberous sclerosis: a syndrome of incomplete tumor suppression. **2006**, 20, E3 7

1555 Oncogenic PI3K and its role in cancer. **2006**, 18, 77-82 399

1554 Intracellular signaling pathways regulating pluripotency of embryonic stem cells. **2006**, 1, 103-11 92

1553 Association of Hepatitis C Virus Infection and Diabetes Mellitus. **2006**, 16, 41-48 1

1552 Involvement of bax/bcl-2 in wogonin-induced apoptosis of human hepatoma cell line SMMC-7721. **2006**, 17, 797-805 50

1551	Nongenomic activation of phosphatidylinositol 3-kinase by thyroid hormone. 2006 , 13, 439-443	1
1550	The targeting of phosphoinositide-3 kinase attenuates pulmonary metastatic tumor growth following laparotomy. 2006 , 243, 250-6	14
1549	The regulation of ovarian granulosa cell death by pro- and anti-apoptotic molecules. 2006 , 52, 695-705	117
1548	EGF-induced activation of Akt results in mTOR-dependent p70S6 kinase phosphorylation and inhibition of HC11 cell lactogenic differentiation. 2006 , 7, 34	51
1547	Differential growth factor regulation of aspartyl-(asparaginyl)-beta-hydroxylase family genes in SH-Sy5y human neuroblastoma cells. 2006 , 7, 41	39
1546	Identification of mitogen-activated protein kinase docking sites in enzymes that metabolize phosphatidylinositols and inositol phosphates. 2006 , 4, 2	3
1545	Comprehensive genomic analysis of desmoplastic medulloblastomas: identification of novel amplified genes and separate evaluation of the different histological components. 2006 , 208, 554-63	119
1544	Synthetic dimer of indole-3-carbinol: second generation diet derived anti-cancer agent in hormone sensitive prostate cancer. 2006 , 66, 453-62	20
1543	Bivalent role of the phosphatidylinositol-3-kinase (PI3K) during influenza virus infection and host cell defence. 2006 , 8, 1336-48	184
1542	Genetic alterations and aberrant expression of genes related to the phosphatidyl-inositol-3'-kinase/protein kinase B (Akt) signal transduction pathway in glioblastomas. 2003 , 13, 507-18	179
1541	Genetic alterations of phosphoinositide 3-kinase subunit genes in human glioblastomas. 2004 , 14, 372-7	106
1540	Role of metalloproteinase-dependent EGF receptor activation in alpha-adrenoceptor-stimulated MAP kinase phosphorylation in GT1-7 neurons. 2006 , 96, 520-32	25
1539	Akt inhibits MLK3/JNK3 signaling by inactivating Rac1: a protective mechanism against ischemic brain injury. 2006 , 98, 1886-98	44
1538	Insulin induces heme oxygenase-1 through the phosphatidylinositol 3-kinase/Akt pathway and the Nrf2 transcription factor in renal cells. 2006 , 273, 2345-56	50
1537	Neuroprotection of insulin against oxidative stress-induced apoptosis in cultured retinal neurons: involvement of phosphoinositide 3-kinase/Akt signal pathway. 2006 , 38, 241-8	37
1536	Signal transduction pathways involved in the stimulation of tissue type plasminogen activator by interleukin-1alpha and Porphyromonas gingivalis in human osteosarcoma cells. 2006 , 41, 374-80	12
1535	Sublytic complement C5b-9 complexes induce thrombospondin-1 production in rat glomerular mesangial cells via PI3-k/Akt: association with activation of latent transforming growth factor-beta1. 2006 , 144, 326-34	29
1534	Curcumin targets Akt cell survival signaling pathway in HTLV-I-infected T-cell lines. 2006 , 97, 322-7	23

1533	PIK3CA mutations in oligodendroglial tumours. 2006 , 32, 209-12	6
1532	HAUSP hunting the FOX(O). 2006 , 8, 1043-5	3
1531	Atg5: more than an autophagy factor. 2006 , 8, 1045-7	92
1530	Gbetagammagamma and the Ras binding domain of p110gamma are both important regulators of PI(3)Kgamma signalling in neutrophils. 2006 , 8, 1303-9	142
1529	Analyzing phosphoinositides and their interacting proteins. 2006 , 3, 251-8	97
1528	PI3Kgamma inhibition: towards an 'aspirin of the 21st century'?. 2006 , 5, 903-18	202
1527	The evolution of phosphatidylinositol 3-kinases as regulators of growth and metabolism. 2006 , 7, 606-19	2416
1526	Regulation of cardiac hypertrophy by intracellular signalling pathways. 2006 , 7, 589-600	1465
1525	Notch signalling regulates stem cell numbers in vitro and in vivo. 2006 , 442, 823-6	816
1524	Phosphoinositides in cell regulation and membrane dynamics. 2006 , 443, 651-7	2057
1523	Phosphoinositide 3-kinase controls early and late events in mammalian cell division. 2006 , 25, 655-61	104
1522	PtdIns5P activates the host cell PI3-kinase/Akt pathway during Shigella flexneri infection. 2006 , 25, 1024-34	177
1521	Membrane targeting and activation of the Lowe syndrome protein OCRL1 by rab GTPases. 2006 , 25, 3750-61	126
1520	Direct binding of p85 to sst2 somatostatin receptor reveals a novel mechanism for inhibiting PI3K pathway. 2006 , 25, 3943-54	70
1519	Sema4D/plexin-B1 activates GSK-3beta through R-Ras GAP activity, inducing growth cone collapse. 2006 , 7, 704-9	111
1518	The phosphoinositide 3-kinase/Akt pathway is essential for the retinoic acid-induced differentiation of F9 cells. 2006 , 25, 2040-7	36
1517	Activation of Akt signaling is sufficient to maintain pluripotency in mouse and primate embryonic stem cells. 2006 , 25, 2697-707	271
1516	Absence of PIK3CA hotspot mutations in hepatocellular carcinoma in Japanese patients. 2006 , 25, 2950-2	66

1515	Restoration of SHIP-1 activity in human leukemic cells modifies NF-kappaB activation pathway and cellular survival upon oxidative stress. 2006 , 25, 5485-94	51
1514	A selective inhibitor of the p110delta isoform of PI 3-kinase inhibits AML cell proliferation and survival and increases the cytotoxic effects of VP16. 2006 , 25, 6648-59	138
1513	AMPK and cell proliferation--AMPK as a therapeutic target for atherosclerosis and cancer. 2006 , 574, 63-71	401
1512	Synthesis and biological evaluation of 4-morpholino-2-phenylquinazolines and related derivatives as novel PI3 kinase p110alpha inhibitors. 2006 , 14, 6847-58	176
1511	A structurally optimized celecoxib derivative inhibits human pancreatic cancer cell growth. 2006 , 10, 207-14	22
1510	Linoleic acid induces proinflammatory events in vascular endothelial cells via activation of PI3K/Akt and ERK1/2 signaling. 2006 , 17, 766-72	51
1509	Regulation of phosphoinositide signaling by the inositol polyphosphate 5-phosphatases. 2006 , 58, 451-6	41
1508	Importin KPNA2, NBS1, DNA repair and tumorigenesis. 2006 , 37, 293-9	42
1507	Integration of P2Y receptor-activated signal transduction pathways in G protein-dependent signalling networks. 2006 , 2, 451-69	50
1506	The mTOR pathway in breast cancer. 2006 , 11, 53-61	34
1505	A PI3K pathway mediates hair cell survival and opposes gentamicin toxicity in neonatal rat organ of Corti. 2006 , 7, 373-82	41
1504	The skin and hair as surrogate tissues for measuring the target effect of inhibitors of phosphoinositide-3-kinase signaling. 2006 , 58, 444-50	26
1503	Akt-mediated GSK-3beta inhibition prevents migration of polyamine-depleted intestinal epithelial cells via Rac1. 2006 , 63, 2871-9	22
1502	The role of protein kinase B/Akt in insulin-induced inactivation of phosphorylase in rat hepatocytes. 2006 , 49, 174-82	22
1501	A role for Akt in the rapid regulation of inflammatory and apoptotic pathways in mouse bladder. 2006 , 373, 349-59	5
1500	Imaging molecular events in single living cells. 2006 , 386, 435-43	10
1499	Clinical phosphoproteomic profiling for personalized targeted medicine using reverse phase protein microarray. 2006 , 1, 151	2
1498	Inhibition of the phosphatidylinositol 3-kinase/mammalian target of rapamycin pathway in hematologic malignancies. 2006 , 7, 285-94	67

1497	Phosphoinositide 3-kinase: from viral oncoprotein to drug target. 2006 , 344, 131-8	37
1496	Rapamycin inhibits hTERT telomerase mRNA expression, independent of cell cycle arrest. 2006 , 100, 487-94	27
1495	PI3K-dependent lysosome exocytosis in nitric oxide-preconditioned hepatocytes. 2006 , 40, 1738-48	15
1494	Phosphatidylinositol 3-kinase/Akt pathway is involved in transforming growth factor-beta1-induced phenotypic modulation of 10T1/2 cells to smooth muscle cells. 2006 , 18, 1270-8	72
1493	Regulation of chemotaxis by the orchestrated activation of Ras, PI3K, and TOR. 2006 , 85, 873-95	105
1492	PI 4,5-P2 stimulates glucose transport activity of GLUT4 in the plasma membrane of 3T3-L1 adipocytes. 2006 , 1763, 889-99	12
1491	Pharmacogenomics of epidermal growth factor receptor (EGFR) tyrosine kinase inhibitors. 2006 , 1766, 217-29	27
1490	NF-kappaB activation by reactive oxygen species: fifteen years later. 2006 , 72, 1493-505	1167
1489	RNA interference targeting Akt promotes apoptosis in hypoxia-exposed human neuroblastoma cells. 2006 , 1070, 24-30	10
1488	Bridging the GAP between insulin signaling and GLUT4 translocation. 2006 , 31, 215-22	170
1487	Systems analyses characterize integrated functions of biochemical networks. 2006 , 31, 284-91	27
1486	Molecular mechanisms underlying the modulation of exocytotic noradrenaline release via presynaptic receptors. 2006 , 112, 213-42	37
1485	Coordinated and reversible reduction of enzymes involved in terminal oxidative metabolism in skeletal muscle mitochondria from a riboflavin-responsive, multiple acyl-CoA dehydrogenase deficiency patient. 2006 , 27, 1182-98	50
1484	Ginsenoside Rg1 inhibits tumor necrosis factor-alpha (TNF-alpha)-induced human arterial smooth muscle cells (HASMCs) proliferation. 2006 , 98, 1471-81	33
1483	Phosphatidylinositol 3-kinase/Akt plays a role in sphingosine 1-phosphate-stimulated HSP27 induction in osteoblasts. 2006 , 98, 1249-56	15
1482	Serum and glucocorticoid-regulated protein kinases: variations on a theme. 2006 , 98, 1391-407	99
1481	Phosphatidylinositol 3-kinase/Akt auto-regulates PDGF-BB-stimulated interleukin-6 synthesis in osteoblasts. 2006 , 99, 1564-71	12
1480	Role of EGF receptor transactivation in phosphoinositide 3-kinase-dependent activation of MAP kinase by GPCRs. 2006 , 206, 47-57	47

1479	Phosphoinositide 3-kinase γ (PI3K γ) controls L-type calcium current (ICa,L) through its positive modulation of type-3 phosphodiesterase (PDE3). 2006 , 206, 329-36	22
1478	Dependence of GnRH-induced phosphorylation of CREB and BAD on EGF receptor transactivation in GT1-7 neuronal cells. 2006 , 208, 586-93	10
1477	Control of neurite outgrowth and growth cone motility by phosphatidylinositol-3-kinase. 2006 , 63, 173-92	14
1476	Non-PKC DAG/phorbol-ester receptor(s) inhibit complement receptor-3 and nPKC inhibit scavenger receptor-AI/II-mediated myelin phagocytosis but cPKC, PI3k, and PLC γ activate myelin phagocytosis by both. 2006 , 53, 538-50	24
1475	PIK3CA mutations in nasopharyngeal carcinoma. 2006 , 118, 1065-7	41
1474	Angiotensin II stimulates phosphorylation of an ectodomain-truncated platelet-derived growth factor receptor-beta and its binding to class IA PI3K in vascular smooth muscle cells. 2006 , 397, 337-44	20
1473	Regulation of PTEN function as a PIP3 gatekeeper through membrane interaction. 2006 , 5, 1523-7	72
1472	Comparative study of gene expression by cDNA microarray in human colorectal cancer tissues and normal mucosa. 2006 , 29, 83	13
1471	Modulation of proline-rich akt substrate survival signaling pathways by oxidative stress in mouse brains after transient focal cerebral ischemia. 2006 , 37, 513-7	26
1470	Novel molecular targets in the treatment of cardiac hypertrophy. 2006 , 1, 1-20	23
1469	Mutational hotspot in exon 20 of PIK3CA in breast cancer among Singapore Chinese. 2006 , 5, 544-8	18
1468	The inositol polyphosphate 5-phosphatase, PIPP, is a novel regulator of phosphoinositide 3-kinase-dependent neurite elongation. 2006 , 17, 607-22	63
1467	Down-regulation of the tumor suppressor gene retinoic acid receptor beta2 through the phosphoinositide 3-kinase/Akt signaling pathway. 2006 , 20, 2109-21	32
1466	Phosphoinositide-specific inositol polyphosphate 5-phosphatase IV inhibits inositide trisphosphate accumulation in hypothalamus and regulates food intake and body weight. 2006 , 147, 5385-99	31
1465	Minireview: ribonucleic acid interference for the identification of new targets for the treatment of metabolic diseases. 2006 , 147, 2650-6	4
1464	Integration of Biological Data with Semantic Networks. 2006 , 1, 273-290	3
1463	Human tumor mutants in the p110 α subunit of PI3K. 2006 , 5, 675-7	44
1462	Serotonin-induced growth of pulmonary artery smooth muscle requires activation of phosphatidylinositol 3-kinase/serine-threonine protein kinase B/mammalian target of rapamycin/p70 ribosomal S6 kinase 1. 2006 , 34, 182-91	78

1461	Phosphatidylinositol 3-kinase/Akt plays a part in tumor necrosis factor-alpha-induced interleukin-6 synthesis in osteoblasts. 2006 , 38, 563-9	11
1460	Determinants of sensitivity and resistance to rapamycin-chemotherapy drug combinations in vivo. 2006 , 66, 7639-46	94
1459	Cellular signaling molecules as therapeutic targets in glioblastoma multiforme. 2006 , 20, E8	3
1458	Identification of magnetic resonance detectable metabolic changes associated with inhibition of phosphoinositide 3-kinase signaling in human breast cancer cells. 2006 , 5, 187-96	81
1457	Emerging roles of phosphatidylinositol 3-monophosphate as a dynamic lipid second messenger. 2006 , 112, 274-84	20
1456	Survival kinases in ischemic preconditioning and postconditioning. 2006 , 70, 240-53	381
1455	Novel role of neuronal Ca ²⁺ sensor-1 as a survival factor up-regulated in injured neurons. 2006 , 172, 1081-91	45
1454	Peroxisome proliferator-activated receptor-gamma inhibits cigarette smoke solution-induced mucin production in human airway epithelial (NCI-H292) cells. 2006 , 291, L84-90	44
1453	Protein kinases as drug targets in cancer. 2006 , 6, 623-34	68
1452	Insulin-like growth factor-I induces alpha(1B)-adrenergic receptor phosphorylation through G beta gamma and epidermal growth factor receptor transactivation. 2006 , 20, 2773-83	15
1451	Recent advances in the treatment of Multiple Myeloma. 2006 , 7, 381-93	13
1450	Deactivation of phosphatidylinositol 3,4,5-trisphosphate/Akt signaling mediates neutrophil spontaneous death. 2006 , 103, 14836-41	73
1449	Integrin traffic. 2006 , 119, 3723-31	180
1448	Disruption of metabolic pathways--perspectives for the treatment of cancer. 2006 , 6, 77-87	12
1447	Insulin-like growth factor-1 and PTEN deletion enhance cardiac L-type Ca ²⁺ currents via increased PI3Kalpha/PKB signaling. 2006 , 98, 1390-7	63
1446	PPAR-gamma inhibits ANG II-induced cell growth via SHIP2 and 4E-BP1. 2006 , 290, H390-7	52
1445	Pleiotropic role of VEGF-A in regulating fetal pulmonary mesenchymal cell turnover. 2006 , 290, L1183-92	10
1444	Tryptase activates phosphatidylinositol 3-kinases proteolytically independently from proteinase-activated receptor-2 in cultured dog airway smooth muscle cells. 2006 , 290, L259-69	17

1443	Expression studies in gliomas and glial cells do not support a tumor suppressor role for LGI1. 2006 , 8, 96-108	21
1442	A retrovirus-based protein complementation assay screen reveals functional AKT1-binding partners. 2006 , 103, 15014-9	76
1441	A novel class of vascular endothelial growth factor-responsive genes that require forkhead activity for expression. 2006 , 281, 35544-53	44
1440	Targeting the Akt/mammalian target of rapamycin pathway for radiosensitization of breast cancer. 2006 , 5, 1183-9	147
1439	Role of phosphatidylinositol 3-kinase/AKT as a survival pathway against CYP2E1-dependent toxicity. 2006 , 318, 360-72	19
1438	Beta1 integrins modulate cell adhesion by regulating insulin-like growth factor-II levels in the microenvironment. 2006 , 66, 331-42	24
1437	Regulation of epidermal homeostasis and repair by phosphoinositide 3-kinase. 2006 , 119, 4033-46	46
1436	FOXO1A is a candidate for the 13q14 tumor suppressor gene inhibiting androgen receptor signaling in prostate cancer. 2006 , 66, 6998-7006	116
1435	A Ras inhibitor tilts the balance between Rac and Rho and blocks phosphatidylinositol 3-kinase-dependent glioblastoma cell migration. 2006 , 66, 11709-17	107
1434	Delineating the mechanism by which selenium deactivates Akt in prostate cancer cells. 2006 , 5, 246-52	49
1433	Downregulation of PIK3CB by siRNA suppresses malignant glioma cell growth in vitro and in vivo. 2006 , 5, 271-80	45
1432	Mission impossible: IGF-1 and PTEN specifically "Akt"ing on cardiac L-type Ca ²⁺ channels. 2006 , 98, 1349-51	6
1431	Activation of Rho-associated coiled-coil protein kinase 1 (ROCK-1) by caspase-3 cleavage plays an essential role in cardiac myocyte apoptosis. 2006 , 103, 14495-500	189
1430	Human alveolar macrophages are deficient in PTEN. The role of endogenous oxidants. 2006 , 281, 5058-64	24
1429	p18 Ink4c and Pten constrain a positive regulatory loop between cell growth and cell cycle control. 2006 , 26, 4564-76	38
1428	Hyperplasia and carcinomas in Pten-deficient mice and reduced PTEN protein in human bladder cancer patients. 2006 , 66, 8389-96	88
1427	H11 kinase prevents myocardial infarction by preemptive preconditioning of the heart. 2006 , 98, 280-8	71
1426	Crystal structure of the C2 domain of class II phosphatidylinositide 3-kinase C2alpha. 2006 , 281, 4254-60	26

1425	Treatment of Advanced Heart Disease. 2006,	1
1424	PIK3CA and PTEN mutations in uterine endometrioid carcinoma and complex atypical hyperplasia. 2006, 12, 5932-5	180
1423	Mutations in the inter-SH2 domain of the regulatory subunit of phosphoinositide 3-kinase: effects on catalytic subunit binding and holoenzyme function. 2006, 387, 1567-73	7
1422	Inhibition of mammalian target of rapamycin or apoptotic pathway induces autophagy and radiosensitizes PTEN null prostate cancer cells. 2006, 66, 10040-7	283
1421	Age-independent synaptogenesis by phosphoinositide 3 kinase. 2006, 26, 10199-208	85
1420	A temporal switch in the insulin-signalling pathway that regulates hepatic IGF-binding protein-1 gene expression. 2006, 37, 227-37	8
1419	Identification of insulin signaling elements in human beta-cells: autocrine regulation of insulin gene expression. 2006, 55, 2835-42	68
1418	Minimally oxidized LDL offsets the apoptotic effects of extensively oxidized LDL and free cholesterol in macrophages. 2006, 26, 1169-76	74
1417	The insulin-like growth factor I receptor is required for Akt activation and suppression of anoikis in cells transformed by the ETV6-NTRK3 chimeric tyrosine kinase. 2006, 26, 1754-69	63
1416	Differential sensitivity of P-Rex1 to isoforms of G protein betagamma dimers. 2006, 281, 1913-20	35
1415	TcR and TcR-CD28 engagement of protein kinase B (PKB/AKT) and glycogen synthase kinase-3 (GSK-3) operates independently of guanine nucleotide exchange factor VAV-1. 2006, 281, 32385-94	34
1414	Phosphatidylinositol 3-kinase-dependent modulation of carnitine palmitoyltransferase 1A expression regulates lipid metabolism during hematopoietic cell growth. 2006, 281, 37372-80	175
1413	Volatile anesthetic preconditioning attenuates myocardial apoptosis in rabbits after regional ischemia and reperfusion via Akt signaling and modulation of Bcl-2 family proteins. 2006, 318, 186-94	62
1412	Rapid chemically induced changes of PtdIns(4,5)P2 gate KCNQ ion channels. <i>Science</i> , 2006, 314, 1454-7 33.3	398
1411	Activation of platelet function through G protein-coupled receptors. 2006, 99, 1293-304	464
1410	The role of the ErbB family members in non-small cell lung cancers sensitive to epidermal growth factor receptor kinase inhibitors. 2006, 12, 4372s-4376s	68
1409	Phosphatidylinositide 3-kinase is important in late-stage fibroblast growth factor-1-mediated angiogenesis in vivo. 2006, 43, 61-9	15
1408	Localization of agonist-sensitive PtdIns(3,4,5)P3 reveals a nuclear pool that is insensitive to PTEN expression. 2006, 119, 5160-8	115

1407	Characterization of p87PIKAP, a novel regulatory subunit of phosphoinositide 3-kinase gamma that is highly expressed in heart and interacts with PDE3B. 2006 , 281, 9977-86	97
1406	Transport of PIP3 by GAKIN, a kinesin-3 family protein, regulates neuronal cell polarity. 2006 , 174, 425-36	116
1405	A novel PtdIns3P and PtdIns(3,5)P2 phosphatase with an inactivating variant in centronuclear myopathy. 2006 , 15, 3098-106	107
1404	MUC1 cytoplasmic tail: a potential therapeutic target for ovarian carcinoma. 2006 , 6, 1261-71	22
1403	Phospholipase D couples survival and migration signals in stress response of human cancer cells. 2006 , 281, 15862-8	109
1402	Structural and membrane binding analysis of the Phox homology domain of phosphoinositide 3-kinase-C2alpha. 2006 , 281, 39396-406	58
1401	Peroxisome proliferator-activated receptor gamma regulates angiotensin II-stimulated phosphatidylinositol 3-kinase and mitogen-activated protein kinase in blood vessels in vivo. 2006 , 47, 102-8	55
1400	Phosphatidylinositol 3-kinase gamma signaling through protein kinase Czeta induces NADPH oxidase-mediated oxidant generation and NF-kappaB activation in endothelial cells. 2006 , 281, 16128-38	113
1399	The adaptor protein Gab1 couples the stimulation of vascular endothelial growth factor receptor-2 to the activation of phosphoinositide 3-kinase. 2006 , 281, 23285-95	49
1398	Phosphatidylinositol 3-kinase-dependent suppression of the human inducible nitric-oxide synthase promoter is mediated by FKHL1. 2006 , 281, 23958-68	26
1397	Identification of nerve growth factor-responsive element of the TCL1 promoter as a novel negative regulatory element. 2006 , 281, 27753-64	11
1396	Glucose and insulin synergistically activate phosphatidylinositol 3-kinase to trigger oscillations of phosphatidylinositol 3,4,5-trisphosphate in beta-cells. 2006 , 281, 39121-7	29
1395	Role of MyD88 in phosphatidylinositol 3-kinase activation by flagellin/toll-like receptor 5 engagement in colonic epithelial cells. 2006 , 281, 18560-8	76
1394	Calcineurin activation is not necessary for Doxorubicin-induced hypertrophy in H9c2 embryonic rat cardiac cells: involvement of the phosphoinositide 3-kinase-Akt pathway. 2006 , 319, 934-40	42
1393	Biology of Inositols and Phosphoinositides. 2006 ,	20
1392	The deficiency of Akt1 is sufficient to suppress tumor development in Pten+/- mice. 2006 , 20, 1569-74	209
1391	Cross-talk of WNT and FGF signaling pathways at GSK3beta to regulate beta-catenin and SNAIL signaling cascades. 2006 , 5, 1059-64	211
1390	Heme oxygenase-1/carbon monoxide: from basic science to therapeutic applications. 2006 , 86, 583-650	1792

- 1389 An alternatively spliced form of Met receptor is tumorigenic. **2006**, 38, 565-73 32
- 1388 Critical role of PICT-1, a tumor suppressor candidate, in phosphatidylinositol 3,4,5-trisphosphate signals and tumorigenic transformation. **2006**, 17, 4888-95 68
- 1387 Regulation of vascular endothelial growth factor expression by EMMPRIN via the PI3K-Akt signaling pathway. **2006**, 4, 371-7 100
- 1386 Synergistic induction of apoptosis in human leukemia T cells by the Akt inhibitor perifosine and etoposide through activation of intrinsic and Fas-mediated extrinsic cell death pathways. **2006**, 5, 1559-70 87
- 1385 Hsp90 recognizes a common surface on client kinases. **2006**, 281, 14361-9 177
- 1384 Antiapoptotic effects of erythropoietin in differentiated neuroblastoma SH-SY5Y cells require activation of both the STAT5 and AKT signaling pathways. **2006**, 281, 5648-56 85
- 1383 Identification of the insulin signaling cascade in the regulation of alpha-class glutathione S-transferase expression in primary cultured rat hepatocytes. **2006**, 316, 1255-61 23
- 1382 Glucose utilization and the PI3-K pathway: mechanisms for cell survival in preimplantation embryos. **2006**, 131, 823-35 48
- 1381 Analysis of phosphoinositides and their aqueous metabolites. **2007**, 434, 187-232 13
- 1380 Cardiovascular actions of insulin. **2007**, 28, 463-91 591
- 1379 The membrane and lipids as integral participants in signal transduction: lipid signal transduction for the non-lipid biochemist. **2007**, 31, 5-16 143
- 1378 STAT5 is essential for Akt/p70S6 kinase activity during IL-2-induced lymphocyte proliferation. **2007**, 179, 5301-8 42
- 1377 G-protein-coupled receptor rhodopsin regulates the phosphorylation of retinal insulin receptor. **2007**, 282, 9865-9873 39
- 1376 Protection against myocardial ischemia/reperfusion injury in TLR4-deficient mice is mediated through a phosphoinositide 3-kinase-dependent mechanism. **2007**, 178, 7317-24 137
- 1375 Infertility caused by retardation of follicular development in mice with oocyte-specific expression of Foxo3a. **2007**, 134, 199-209 161
- 1374 Protein kinase C-mediated down-regulation of cyclin D1 involves activation of the translational repressor 4E-BP1 via a phosphoinositide 3-kinase/Akt-independent, protein phosphatase 2A-dependent mechanism in intestinal epithelial cells. **2007**, 282, 14213-25 66
- 1373 Phosphatase activity, trimerization, and the C-terminal polybasic region are all required for PRL1-mediated cell growth and migration. **2007**, 282, 29043-29051 60
- 1372 R-Ras controls axon specification upstream of glycogen synthase kinase-3beta through integrin-linked kinase. **2007**, 282, 303-18 48

1371	The role of phosphoinositide 3-kinase C2alpha in insulin signaling. 2007 , 282, 28226-36	123
1370	Two populations of p27 use differential kinetics to phosphorylate Ser-10 and Thr-187 via phosphatidylinositol 3-Kinase in response to fibroblast growth factor-2 stimulation. 2007 , 282, 6444-54	29
1369	Proto-oncogene TCL1: more than just a coactivator for Akt. 2007 , 21, 2273-84	57
1368	A new crucial protein interaction element that targets the adenovirus E4-ORF1 oncoprotein to membrane vesicles. 2007 , 81, 4787-97	26
1367	Targeting of the type II inositol polyphosphate 5-phosphatase INPP5B to the early secretory pathway. 2007 , 120, 3941-51	43
1366	Influenza A virus NS1 protein activates the PI3K/Akt pathway to mediate antiapoptotic signaling responses. 2007 , 81, 3058-67	250
1365	Lapatinib antitumor activity is not dependent upon phosphatase and tensin homologue deleted on chromosome 10 in ErbB2-overexpressing breast cancers. 2007 , 67, 1170-5	124
1364	Lifelong accumulation of bone in mice lacking Pten in osteoblasts. 2007 , 104, 2259-64	129
1363	Potential use of an anticancer drug gefinitib, an EGFR inhibitor, on allergic airway inflammation. 2007 , 39, 367-75	43
1362	Non-genomic action of resveratrol on androgen and oestrogen receptors in prostate cancer: modulation of the phosphoinositide 3-kinase pathway. 2007 , 96, 1595-604	47
1361	PtdIns-4,5-P2 as a potential therapeutic target for pathologic angiogenesis. 2007 , 11, 443-51	4
1360	Phosphoinositide 3-kinase, Src, and Akt modulate acute ventilation-induced vascular permeability increases in mouse lungs. 2007 , 293, L11-21	47
1359	Hypotonicity stimulates renal epithelial sodium transport by activating JNK via receptor tyrosine kinases. 2007 , 293, F128-38	38
1358	Phosphoinositide 3-kinase is activated by MUC1 but not responsible for MUC1-induced suppression of Toll-like receptor 5 signaling. 2007 , 293, L686-92	29
1357	Phosphatidylinositol 3-kinase/protein kinase Akt negatively regulates plasminogen activator inhibitor type 1 expression in vascular endothelial cells. 2007 , 292, H1937-42	50
1356	Phosphatidylinositol 3-kinase is involved in prostaglandin E2-mediated murine duodenal bicarbonate secretion. 2007 , 293, G279-87	16
1355	Insulin Action Gene Regulation. 2007 , 110-132	
1354	The PI3K/Akt pathway and its downstream transcriptional factors as targets for chemoprevention. 2007 , 7, 305-16	63

1353	Cross-talk between the androgen receptor and the phosphatidylinositol 3-kinase/Akt pathway in prostate cancer. 2007 , 7, 591-604	117
1352	Hematopoietic cytokines--on the verge of conquering neurology. 2007 , 7, 157-70	23
1351	The role of phosphoinositide 3-kinase pathway inhibitors in the treatment of lung cancer. 2007 , 13, s4637-40	28
1350	Significance of glucose intolerance and SHIP2 expression in hepatocellular carcinoma patients with HCV infection. 2007 , 18, 545	4
1349	Involvement of Bcl-2 family members, phosphatidylinositol 3'-kinase/AKT and mitochondrial p53 in curcumin (diferulolylmethane)-induced apoptosis in prostate cancer. 2007 , 30, 905	18
1348	The PI3K/Akt pathway mediates the neuroprotective effect of atorvastatin in extending thrombolytic therapy after embolic stroke in the rat. 2007 , 27, 2470-5	56
1347	Activated PI3K signaling as an endogenous inducer of p53 in human cancer. 2007 , 6, 394-6	20
1346	Molecular tools for cell and systems biology. 2007 , 1, 230-48	11
1345	Regulation of Nanog expression by phosphoinositide 3-kinase-dependent signaling in murine embryonic stem cells. 2007 , 282, 6265-73	112
1344	Anti-apoptotic effect of insulin in the control of cell death and neurologic deficit after acute spinal cord injury in rats. 2007 , 24, 1502-12	21
1343	Recent advances in the design and discovery of small-molecule therapeutics targeting HER2/neu. 2007 , 17, 83-102	8
1342	Mechanisms of induction of endothelial cell E-selectin expression by smooth muscle cells and its inhibition by shear stress. 2007 , 110, 519-28	54
1341	Akt1 ablation inhibits, whereas Akt2 ablation accelerates, the development of mammary adenocarcinomas in mouse mammary tumor virus (MMTV)-ErbB2/neu and MMTV-polyoma middle T transgenic mice. 2007 , 67, 167-77	205
1340	An essential role for the SHIP2-dependent negative feedback loop in neuritogenesis of nerve growth factor-stimulated PC12 cells. 2007 , 177, 817-27	63
1339	Role of PI3-kinase and PI4-kinase in actin polymerization during bovine sperm capacitation. 2007 , 77, 263-73	55
1338	Interorganelle trafficking of ceramide is regulated by phosphorylation-dependent cooperativity between the PH and START domains of CERT. 2007 , 282, 17758-66	87
1337	Rapid turnover of phosphatidylinositol-4,5-bisphosphate in insulin-secreting cells mediated by Ca ²⁺ and the ATP-to-ADP ratio. 2007 , 56, 818-26	47
1336	Phosphoinositide 3-kinase signalling regulates early development and developmental haemopoiesis. 2007 , 120, 1752-62	19

1335	Essential role of PDK1 in regulating endothelial cell migration. 2007 , 176, 1035-47	69
1334	Use of the GRP1 PH domain as a tool to measure the relative levels of PtdIns(3,4,5)P3 through a protein-lipid overlay approach. 2007 , 48, 726-32	24
1333	Actin cytoskeleton dynamics promotes leptin-induced vascular smooth muscle hypertrophy via RhoA/ROCK- and phosphatidylinositol 3-kinase/protein kinase B-dependent pathways. 2007 , 322, 1110-6	39
1332	Distinct requirements for Gab1 in Met and EGF receptor signaling in vivo. 2007 , 104, 15376-81	50
1331	The biology behind mTOR inhibition in sarcoma. 2007 , 12, 1007-18	151
1330	Serum withdrawal-induced accumulation of phosphoinositide 3-kinase lipids in differentiating 3T3-L6 myoblasts: distinct roles for Ship2 and PTEN. 2007 , 27, 8098-112	25
1329	Nonredundant role of Akt2 for neuroprotection of rod photoreceptor cells from light-induced cell death. 2007 , 27, 203-11	76
1328	A placenta-specific gene ectopically activated in many human cancers is essentially involved in malignant cell processes. 2007 , 67, 9528-34	73
1327	The IREM-1 (CD300f) inhibitory receptor associates with the p85alpha subunit of phosphoinositide 3-kinase. 2007 , 178, 808-16	44
1326	Critical role for casein kinase 2 and phosphoinositide-3-kinase in the interferon-gamma-induced expression of monocyte chemoattractant protein-1 and other key genes implicated in atherosclerosis. 2007 , 27, 806-12	42
1325	Pharmacologic characterization of a potent inhibitor of class I phosphatidylinositol 3-kinases. 2007 , 67, 5840-50	308
1324	Oncogenic PIK3CA mutations occur in epidermal nevi and seborrheic keratoses with a characteristic mutation pattern. 2007 , 104, 13450-4	169
1323	TLR2 is constitutively expressed within the kidney and participates in ischemic renal injury through both MyD88-dependent and -independent pathways. 2007 , 178, 6252-8	229
1322	Formyl peptide receptor-1 activation enhances intestinal epithelial cell restitution through phosphatidylinositol 3-kinase-dependent activation of Rac1 and Cdc42. 2007 , 179, 8112-21	93
1321	Mst1, RanBP2 and eIF4G are new markers for in vivo PI3K activation in murine and human prostate. 2007 , 28, 1418-25	19
1320	Molecular mechanisms contributing to glutamine-mediated intestinal cell survival. 2007 , 293, G1262-71	54
1319	TLR9 activation induces normal neutrophil responses in a child with IRAK-4 deficiency: involvement of the direct PI3K pathway. 2007 , 179, 4754-65	57
1318	Mutant PIK3CA-bearing colon cancer cells display increased metastasis in an orthotopic model. 2007 , 67, 5851-8	49

1317	Important therapeutic targets in chronic myelogenous leukemia. 2007 , 13, 1089-97	78
1316	Hepatocyte growth factor-induced Ras activation requires ERM proteins linked to both CD44v6 and F-actin. 2007 , 18, 76-83	148
1315	PI3 kinase dependent stimulation of gastric acid secretion by dexamethasone. 2007 , 20, 527-34	12
1314	Multiple Myeloma. 2007 ,	
1313	A new activating role for CO in cardiac mitochondrial biogenesis. 2007 , 120, 299-308	174
1312	Association of PI3K-Akt signaling pathway with digitalis-induced hypertrophy of cardiac myocytes. 2007 , 293, C1489-97	101
1311	Vascular cell senescence: contribution to atherosclerosis. 2007 , 100, 15-26	422
1310	Deletion of the phosphoinositide 3-kinase p110gamma gene attenuates murine atherosclerosis. 2007 , 104, 8077-82	95
1309	The recruitment of phosphatidylinositol 3-kinase to the E-cadherin-catenin complex at the plasma membrane is required for calcium-induced phospholipase C-gamma1 activation and human keratinocyte differentiation. 2007 , 282, 8695-703	87
1308	Mechanistic basis of differential cellular responses of phosphatidylinositol 3,4-bisphosphate- and phosphatidylinositol 3,4,5-trisphosphate-binding pleckstrin homology domains. 2007 , 282, 32093-105	109
1307	Transactivation of HER2 by vasoactive intestinal peptide in experimental prostate cancer: Antagonistic action of an analog of growth-hormone-releasing hormone. 2007 , 31, 1223	
1306	Mechanisms of airway remodeling in asthma. 2007 , 56, 331-40	84
1305	A novel signaling pathway for beta-adrenergic receptor-mediated activation of phosphoinositide 3-kinase in H9c2 cardiomyocytes. 2007 , 293, H385-93	37
1304	The physiology of phosphoinositides. 2007 , 30, 1599-604	51
1303	Phosphoinositide 3-kinase signalling events controlling axonal morphogenesis. 2007 , 35, 207-10	40
1302	Role of class II phosphoinositide 3-kinase in cell signalling. 2007 , 35, 211-4	149
1301	Non-invasive visualization of the lipid product of class I PI3K in transgenic mouse models. 2007 , 35, 215-8	5
1300	Phosphoinositide 3-kinases and regulation of embryonic stem cell fate. 2007 , 35, 225-8	28

1299	Lipid rafts are required for Kit survival and proliferation signals. 2007 , 110, 1739-47	42
1298	Tumor suppressor PTEN is a physiologic suppressor of chemoattractant-mediated neutrophil functions. 2007 , 109, 4028-37	97
1297	Pathobiology of ALK+ anaplastic large-cell lymphoma. 2007 , 110, 2259-67	209
1296	Survival Signaling. 2007 , 169-206	1
1295	Insulin Sensitizing Pharmacology of Thiazolidinediones Correlates with Mitochondrial Gene Expression rather than Activation of PPAR α . 2007 , 1, 117762500700100	9
1294	Myocardial protection by erythropoietin during resuscitation from ventricular fibrillation. 2007 , 14, 361-8	24
1293	Constitutive activation of MAPK/ERK inhibits prostate cancer cell proliferation through upregulation of BRCA2. 2007 , 30, 217-24	19
1292	Increased cell survival, migration, invasion, and Akt expression in PTHrP-overexpressing LoVo colon cancer cell lines. 2007 , 141, 61-72	19
1291	Phosphoinositide-dependent pathways in mouse sperm are regulated by egg ZP3 and drive the acrosome reaction. 2007 , 304, 116-26	56
1290	Transcriptional profiling of C2C12 myotubes in response to SHIP2 depletion and insulin stimulation. 2007 , 89, 270-9	7
1289	Heme-oxygenase-1-induced protection against hypoxia/reoxygenation is dependent on biliverdin reductase and its interaction with PI3K/Akt pathway. 2007 , 43, 580-92	87
1288	Novel functions of thyroid hormone receptor mutants: beyond nucleus-initiated transcription. 2007 , 72, 171-9	20
1287	Probing phospholipid dynamics by electrospray ionisation mass spectrometry. 2007 , 46, 200-24	79
1286	Mechanistic similarities in docking of the FYVE and PX domains to phosphatidylinositol 3-phosphate containing membranes. 2007 , 46, 315-27	46
1285	GABAA receptor-associated phosphoinositide 3-kinase is required for insulin-induced recruitment of postsynaptic GABAA receptors. 2007 , 52, 146-55	42
1284	Localization and signaling of the receptor protein tyrosine kinase Tyro3 in cortical and hippocampal neurons. 2007 , 150, 319-34	51
1283	Stimulation of phosphoinositide 3-kinase/Akt signaling by copper and zinc ions: mechanisms and consequences. 2007 , 463, 175-82	99
1282	Papillomavirus binding factor (PBF)-mediated inhibition of cell growth is regulated by 14-3-3beta. 2007 , 464, 90-9	18

1281	Temporal response of liver signal transduction elements during in vivo endotoxin challenge in cattle: effects of growth hormone treatment. 2007 , 32, 79-92	4
1280	Cell survival, cell death and cell cycle pathways are interconnected: implications for cancer therapy. 2007 , 10, 13-29	335
1279	Autophagy signaling in cancer and its potential as novel target to improve anticancer therapy. 2007 , 10, 135-43	102
1278	Phosphatidylinositol 3-kinase regulation of gastrin-releasing peptide-induced cell cycle progression in neuroblastoma cells. 2007 , 1770, 927-32	28
1277	PI3K is negatively regulated by PIK3IP1, a novel p110 interacting protein. 2007 , 358, 66-72	55
1276	HGF-MSP chimera protects kidneys from ischemia-reperfusion injury. 2007 , 363, 451-6	14
1275	PKC412 (CGP41251) modulates the proliferation and lipopolysaccharide-induced inflammatory responses of RAW 264.7 macrophages. 2007 , 360, 115-21	8
1274	The involvement of Gab1 and PI 3-kinase in beta1 integrin signaling in keratinocytes. 2007 , 361, 224-9	5
1273	Ubiquitination regulates PTEN nuclear import and tumor suppression. 2007 , 128, 141-56	572
1272	Loss of Akt1 leads to severe atherosclerosis and occlusive coronary artery disease. 2007 , 6, 446-57	209
1271	PtdIns(3,4,5)P3 regulates spindle orientation in adherent cells. 2007 , 13, 796-811	97
1270	Mgat5 and Pten interact to regulate cell growth and polarity. 2007 , 17, 767-73	33
1269	Activation of phosphatidylinositol 3-kinase/Akt limits FGF-2-induced VEGF release in osteoblasts. 2007 , 267, 46-54	11
1268	Inositol 1,3,4,5-tetrakisphosphate negatively regulates phosphatidylinositol-3,4,5- trisphosphate signaling in neutrophils. 2007 , 27, 453-67	55
1267	Phosphatidylinositol 3-kinase-mediated regulation of IL-10 and IL-12 production in macrophages stimulated with CpG oligodeoxynucleotide. 2007 , 44, 1323-30	23
1266	Staurosporine-induced apoptosis in astrocytes is prevented by A1 adenosine receptor activation. 2007 , 418, 66-71	29
1265	Constitutive activation of neuronal Src causes aberrant dendritic morphogenesis in mouse cerebellar Purkinje cells. 2007 , 57, 210-9	15
1264	Mitochondrial membrane permeabilization in cell death. 2007 , 87, 99-163	2750

1263	Mechanisms of Insulin Action. 2007,		3
1262	Apoptosis, Senescence, and Cancer. 2007,		6
1261	Regulation of TRP ion channels by phosphatidylinositol-4,5-bisphosphate. 2007, 509-25		26
1260	Breast Cancer Chemosensitivity. 2007,		2
1259	Transient Receptor Potential (TRP) Channels. 2007,		16
1258	Biochemistry. PI3K charges ahead. <i>Science</i> , 2007, 317, 206-7	33.3	38
1257	Phosphatidylinositol 3-kinase (PI3K) inhibitors as anticancer drugs. 2007, 32, 537		19
1256	Mitofusin 2 triggers vascular smooth muscle cell apoptosis via mitochondrial death pathway. 2007, 101, 1113-22		145
1255	Coactivation of receptor tyrosine kinases affects the response of tumor cells to targeted therapies. <i>Science</i> , 2007, 318, 287-90	33.3	748
1254	The structure of a human p110alpha/p85alpha complex elucidates the effects of oncogenic PI3Kalpha mutations. <i>Science</i> , 2007, 318, 1744-8	33.3	430
1253	Metabonomic evaluation of metabolic dysregulation in rats induced by PF 376304, a novel inhibitor of phosphoinositide 3-kinase. 2007, 20, 1871-7		6
1252	Keratinocyte growth factor receptors. 2007, 25, 477-85, vii		35
1251	Renin-angiotensin-aldosterone system and oxidative stress in cardiovascular insulin resistance. 2007, 293, H2009-23		214
1250	Smooth muscle cell signal transduction: implications of vascular biology for vascular surgeons. 2007 , 45 Suppl A, A15-24		84
1249	Region-specific reduction of Gbeta4 expression and induction of the phosphorylation of PKB/Akt and ERK1/2 by aging in rat brain. 2007, 56, 295-302		11
1248	Spectrum of liver disease in type 2 diabetes and management of patients with diabetes and liver disease. 2007, 30, 734-43		321
1247	Mechanisms of disease: the PI3K-Akt-PTEN signaling node--an intercept point for the control of angiogenesis in brain tumors. 2007, 3, 682-93		87
1246	Proliferating cholangiocytes: a neuroendocrine compartment in the diseased liver. 2007, 132, 415-31		235

1245	Glucagon-like peptide-1 and its receptor agonist exendin-4 modulate cholangiocyte adaptive response to cholestasis. 2007 , 133, 244-55	64
1244	Targeted Therapeutics in Cancer Treatment. 2007 , 117-148	
1243	[Therapeutic potential of phosphoinositide 3-kinase inhibitors in rheumatoid arthritis]. 2007 , 30, 369-74	1
1242	The inositol polyphosphate 5-phosphatases: traffic controllers, waistline watchers and tumour suppressors?. 2007 , 74, 161-181	28
1241	Mutations of the PIK3CA gene in hereditary colorectal cancers. 2007 , 121, 1627-30	31
1240	PIK3CA mutation is predictive of poor survival in patients with colorectal cancer. 2007 , 121, 1771-8	116
1239	2-Methoxyestradiol attenuates phosphatidylinositol 3-kinase/Akt pathway-mediated metastasis of gastric cancer. 2007 , 121, 2547-55	38
1238	Activation of ERK, JNK, Akt, and G-protein coupled signaling by hybrid angiotensin II AT1/bradykinin B2 receptors expressed in HEK-293 cells. 2007 , 101, 192-204	11
1237	FGFR1/PI3K/AKT signaling pathway is a novel target for antiangiogenic effects of the cancer drug fumagillin (TNP-470). 2007 , 101, 1492-504	17
1236	PI-3K/Akt signal pathway plays a crucial role in arsenite-induced cell proliferation of human keratinocytes through induction of cyclin D1. 2007 , 101, 969-78	22
1235	Inhibition of farnesyl protein transferase sensitizes human MCF-7 breast cancer cells to roscovitine-mediated cell cycle arrest. 2007 , 102, 736-47	5
1234	Role of human LZIP in differential activation of the NF-kappaB pathway that is induced by CCR1-dependent chemokines. 2007 , 211, 630-7	14
1233	Synthesis and biological evaluation of imidazo[1,2-a]pyridine derivatives as novel PI3 kinase p110alpha inhibitors. 2007 , 15, 403-12	112
1232	Design and synthesis of phenethyl benzo[1,4]oxazine-3-ones as potent inhibitors of PI3Kinasegamma. 2007 , 17, 756-60	36
1231	Synthesis and biological evaluation of pyrido[3',2':4,5]furo[3,2-d]pyrimidine derivatives as novel PI3 kinase p110alpha inhibitors. 2007 , 17, 2438-42	114
1230	G protein-coupled receptors and the modification of FcepsilonRI-mediated mast cell activation. 2007 , 113, 59-69	95
1229	Identification of a small-molecule inhibitor of class Ia PI3Ks with cell-based screening. 2007 , 14, 371-7	30
1228	Involvement of beta 2-integrin in ROS-mediated neutrophil apoptosis induced by Entamoeba histolytica. 2007 , 9, 1368-75	27

1227	FLJ10540-elicited cell transformation is through the activation of PI3-kinase/AKT pathway. 2007 , 26, 4272-83	70
1226	Akt activation induces epidermal hyperplasia and proliferation of epidermal progenitors. 2007 , 26, 4882-8	59
1225	Rituximab inhibits the constitutively activated PI3K-Akt pathway in B-NHL cell lines: involvement in chemosensitization to drug-induced apoptosis. 2007 , 26, 6184-93	70
1224	Functional inhibition of PI3K by the betaGBP molecule suppresses Ras-MAPK signalling to block cell proliferation. 2007 , 26, 7709-14	21
1223	Imaging and manipulating phosphoinositides in living cells. 2007 , 582, 927-37	49
1222	PI3K delta and PI3K gamma: partners in crime in inflammation in rheumatoid arthritis and beyond?. 2007 , 7, 191-201	346
1221	Signal transduction pathways that contribute to myeloid differentiation. 2007 , 21, 1363-77	71
1220	PIK3CA mutations are mutually exclusive with PTEN loss in diffuse large B-cell lymphoma. 2007 , 21, 2368-70	70
1219	Hypermethylation of TTC12 gene in acute lymphoblastic leukemia. 2007 , 21, 2370-3	4
1218	Phosphatase and tensin homologue deleted on chromosome ten (PTEN) as a molecular target in lung epithelial wound repair. 2007 , 152, 1172-84	44
1217	Expanding mTOR signaling. 2007 , 17, 666-81	437
1216	The interruption of the PDGF and EGF signaling pathways by curcumin stimulates gene expression of PPARgamma in rat activated hepatic stellate cell in vitro. 2007 , 87, 488-98	83
1215	A transforming mutation in the pleckstrin homology domain of AKT1 in cancer. 2007 , 448, 439-44	981
1214	Mechanism of insulin-like growth factor I-mediated proliferation of adult neural progenitor cells: role of Akt. 2007 , 25, 1041-8	71
1213	Haematopoietic progenitor cells utilise conventional PKC to suppress PKB/Akt activity in response to c-Kit stimulation. 2007 , 136, 260-8	13
1212	Akt is transferred to the nucleus of cells treated with apoptin, and it participates in apoptin-induced cell death. 2007 , 40, 835-48	42
1211	Phosphorylcholine mimics the effects of ES-62 on macrophages and dendritic cells. 2007 , 29, 127-37	75
1210	Therapeutic potential of H11 kinase for the ischemic heart. 2007 , 25, 14-29	26

1209	Cytoprotective effects of taurocholic acid feeding on the biliary tree after adrenergic denervation of the liver. 2007 , 27, 558-68	23
1208	Human variability in innate immunity. 2007 , 45, 14-34	57
1207	Signaling pathways and preimplantation development of mammalian embryos. 2007 , 274, 4349-59	23
1206	Neuroprotection of selenite against ischemic brain injury through negatively regulating early activation of ASK1/JNK cascade via activation of PI3K/AKT pathway. 2007 , 28, 19-27	37
1205	Upregulation of PTEN involved in rosiglitazone-induced apoptosis in human hepatocellular carcinoma cells. 2007 , 28, 879-87	48
1204	Guggulsterone inhibits tumor cell proliferation, induces S-phase arrest, and promotes apoptosis through activation of c-Jun N-terminal kinase, suppression of Akt pathway, and downregulation of antiapoptotic gene products. 2007 , 74, 118-30	109
1203	Ins (endocytosis) and outs (exocytosis) of GLUT4 trafficking. 2007 , 19, 466-73	116
1202	Signalling through phospholipase C interferes with clathrin-mediated endocytosis. 2007 , 19, 42-51	15
1201	Requirement for Akt-mediated survival in cell transformation by the dbl oncogene. 2007 , 19, 211-8	8
1200	The PI3 kinase-Akt pathway mediates Wnt3a-induced proliferation. 2007 , 19, 511-8	61
1199	A "classical" homodimeric erythropoietin receptor is essential for the antiapoptotic effects of erythropoietin on differentiated neuroblastoma SH-SY5Y and pheochromocytoma PC-12 cells. 2007 , 19, 634-45	123
1198	Vascular endothelial growth factor receptor-2: structure, function, intracellular signalling and therapeutic inhibition. 2007 , 19, 2003-12	707
1197	Phosphoinositide 3-kinase regulates the role of retromer in transcytosis of the polymeric immunoglobulin receptor. 2007 , 313, 707-18	33
1196	CD44 regulates cell migration in human colon cancer cells via Lyn kinase and AKT phosphorylation. 2007 , 83, 207-15	48
1195	Mammalian heparanase: what is the message?. 2007 , 11, 427-52	188
1194	The role of intracellular signaling in insulin-mediated regulation of drug metabolizing enzyme gene and protein expression. 2007 , 113, 88-120	127
1193	Cancer-specific mutations in phosphatidylinositol 3-kinase. 2007 , 32, 342-9	126
1192	Activation of Toll-like receptor 4 signaling contributes to hippocampal neuronal death following global cerebral ischemia/reperfusion. 2007 , 190, 101-11	176

1191	Mechanism of two classes of cancer mutations in the phosphoinositide 3-kinase catalytic subunit. <i>Science</i> , 2007 , 317, 239-42	33-3	314
1190	Neural cell adhesion molecule polysialylation enhances the sensitivity of embryonic stem cell-derived neural precursors to migration guidance cues. 2007 , 25, 3016-25		54
1189	Release of renal dipeptidase from glycosylphosphatidylinositol anchor by insulin-triggered phospholipase C/intracellular Ca ²⁺ . 2007 , 30, 608-15		
1188	Sphingosine kinase 1 participates in insulin signalling and regulates glucose metabolism and homeostasis in KK/Ay diabetic mice. 2007 , 50, 891-900		58
1187	Collagen I induction by high glucose levels is mediated by epidermal growth factor receptor and phosphoinositide 3-kinase/Akt signalling in mesangial cells. 2007 , 50, 2008-2018		52
1186	Calcium-mediated activation of PI3K and p53 leads to apoptosis in thyroid carcinoma cells. 2007 , 64, 1428-36		41
1185	Guanosine reduces apoptosis and inflammation associated with restoration of function in rats with acute spinal cord injury. 2007 , 3, 411-21		47
1184	The lipid connection-regulation of voltage-gated Ca(2+) channels by phosphoinositides. 2007 , 455, 147-55		41
1183	Cardioprotection induced by hydrogen sulfide preconditioning involves activation of ERK and PI3K/Akt pathways. 2008 , 455, 607-16		144
1182	PIK3CA alterations in primary (de novo) and secondary glioblastomas. 2007 , 113, 295-302		74
1181	Diffuse glioma growth: a guerilla war. 2007 , 114, 443-58		422
1180	The interactions of flavonoids within neuronal signalling pathways. 2007 , 2, 257-73		181
1179	PIP3 pathway in regulatory T cells and autoimmunity. 2007 , 39, 194-224		22
1178	Cytokine signaling to the cell cycle. 2007 , 39, 173-84		17
1177	Exogenous PTEN gene induces apoptosis in breast carcinoma cell line MDA468. 2007 , 27, 61-4		2
1176	Integrity of the cortical actin ring is required for activation of the PI3K/Akt and p38 MAPK signaling pathways in redifferentiation of chondrocytes on chitosan. 2008 , 32, 1272-8		17
1175	Akt plays an important role in breast cancer cell chemotaxis to CXCL12. 2008 , 110, 211-22		27
1174	Comprehensive analysis of oncogenic effects of PIK3CA mutations in human mammary epithelial cells. 2008 , 112, 217-27		49

1173	Inhibition of Wnt and PI3K signaling modulates GSK-3beta activity and induces morphological changes in cortical neurons: role of tau phosphorylation. 2008 , 33, 1599-609	45
1172	Effects of wortmannin on phosphorylation of PDK1, GSK3-beta, PTEN and expression of Skp2 mRNA after ischemia/reperfusion injury in the mouse kidney. 2008 , 40, 185-92	10
1171	Activation of phosphoinositide 3-kinase by the NBS1 DNA repair protein through a novel activation motif. 2008 , 86, 401-12	22
1170	Genetic modelling of the PTEN/AKT pathway in cancer research. 2008 , 10, 618-27	19
1169	Measurement of binding kinetics between PI3-K and phosphorylated IGF-1R using a surface plasmon resonance biosensor. 2008 , 162, 253-260	4
1168	Correlation of dendritic cell maturation and the formation of aggregates of poly-ubiquitinated proteins in the cytosol. 2008 , 197, 185-9	9
1167	A role for SNX5 in the regulation of macropinocytosis. 2008 , 9, 58	47
1166	Phosphatidylinositol 3-kinase signaling in proliferating cells maintains an anti-apoptotic transcriptional program mediated by inhibition of FOXO and non-canonical activation of NFkappaB transcription factors. 2008 , 9, 6	37
1165	Disialoganglioside GD3 synthase expression recruits membrane transglutaminase 2 during erythroid differentiation of the human chronic myelogenous leukemia K562 cells. 2008 , 8, 3317-28	7
1164	alpha-Amino-3-hydroxy-5-methyl-4-isoxazole propionate attenuates glutamate-induced caspase-3 cleavage via regulation of glycogen synthase kinase 3beta. 2008 , 86, 1096-105	19
1163	Bone marrow stromal cells protect oligodendrocytes from oxygen-glucose deprivation injury. 2008 , 86, 1501-10	27
1162	4-hydroxynonenal: a membrane lipid oxidation product of medicinal interest. 2008 , 28, 569-631	324
1161	Extrahepatic hepatitis C virus after transplantation: diabetes and renal dysfunction. 2008 , 14 Suppl 2, S51-7	12
1160	A caged phosphopeptide-based approach for photochemical activation of kinases in living cells. 2008 , 9, 1583-6	23
1159	PI3K signaling effects in hypothalamic neurons mediated by estrogen. 2008 , 506, 895-911	66
1158	Enhanced anti-cancer effect of a phosphatidylinositol-3 kinase inhibitor and doxorubicin on human breast epithelial cell lines with different p53 and oestrogen receptor status. 2008 , 123, 1536-44	27
1157	Chromosome instability and tumor lethality suppression in carcinogenesis. 2008 , 105, 1327-41	3
1156	Prostaglandin E2 upregulates EGF-stimulated signaling in mitogenic pathways involving Akt and ERK in hepatocytes. 2008 , 214, 371-80	44

1155	Involvement of PI3K in HCV-related lymphoproliferative disorders. 2008 , 214, 396-404	17
1154	Effective clearance of intracellular <i>Leishmania major</i> in vivo requires Pten in macrophages. 2008 , 38, 1331-40	26
1153	SWAP-70 regulates mast cell FcεRI-mediated signaling and anaphylaxis. 2008 , 38, 841-54	12
1152	Epigallocatechin-3-gallate diminishes CCL2 expression in human osteoblastic cells via up-regulation of phosphatidylinositol 3-Kinase/Akt/Raf-1 interaction: a potential therapeutic benefit for arthritis. 2008 , 58, 3145-56	47
1151	Imatinib-resistant K562 cells are more sensitive to celecoxib, a selective COX-2 inhibitor: role of COX-2 and MDR-1. 2008 , 32, 855-64	51
1150	PI3K/PTEN signaling in tumorigenesis and angiogenesis. 2008 , 1784, 150-8	256
1149	Targeting phosphoinositide 3-kinase: moving towards therapy. 2008 , 1784, 159-85	440
1148	Eupalinin A isolated from <i>Eupatorium chinense</i> L. induces autophagocytosis in human leukemia HL60 cells. 2008 , 16, 721-31	35
1147	Inhibitory effect of xanthenes isolated from the pericarp of <i>Garcinia mangostana</i> L. on rat basophilic leukemia RBL-2H3 cell degranulation. 2008 , 16, 4500-8	51
1146	Design and synthesis of novel furoquinoline based inhibitors of multiple targets in the PI3K/Akt-mTOR pathway. 2008 , 18, 3603-6	11
1145	Achieving multi-isoform PI3K inhibition in a series of substituted 3,4-dihydro-2H-benzo[1,4]oxazines. 2008 , 18, 4700-4	19
1144	Optimization of a series of multi-isoform PI3 kinase inhibitors. 2008 , 18, 5299-302	11
1143	Characterization of PI3K class IA isoforms with regulatory subunit p55α using a scintillation proximity assay. 2008 , 383, 311-5	10
1142	Celecoxib, a cyclooxygenase-2 inhibitor, induces apoptosis in human osteosarcoma cell line MG-63 via down-regulation of PI3K/Akt. 2008 , 32, 494-501	57
1141	NF-κB-activated tissue transglutaminase is involved in ethanol-induced hepatic injury and the possible role of propolis in preventing fibrogenesis. 2008 , 246, 148-57	31
1140	Allosteric inhibitors of Akt1 and Akt2: a naphthyridinone with efficacy in an A2780 tumor xenograft model. 2008 , 18, 3178-82	72
1139	AKT signaling promotes derivation of embryonic germ cells from primordial germ cells. 2008 , 135, 869-79	68
1138	Different roles of SHIP1 according to the cell context: the example of blood platelets. 2008 , 48, 240-52	16

1137	Group B streptococcus exploits lipid rafts and phosphoinositide 3-kinase/Akt signaling pathway to invade human endometrial cells. 2008 , 199, 548.e1-9	13
1136	Differential gene expression profiling of human epidermal growth factor receptor 2-overexpressing mammary tumor. 2008 , 40, 397-405	3
1135	Absence of the AKT1 pleckstrin homology domain mutation in Japanese gastrointestinal and liver cancer patients. 2008 , 116, 931-3	1
1134	The upregulation of heat shock protein 47 expression in human buccal fibroblasts stimulated with arecoline. 2008 , 37, 206-10	18
1133	Rab5 activation by Toll-like receptor 2 is required for Trypanosoma cruzi internalization and replication in macrophages. 2008 , 9, 1299-315	37
1132	Interleukin-7 receptor signaling network: an integrated systems perspective. 2008 , 5, 79-89	85
1131	Par-4 inhibits Akt and suppresses Ras-induced lung tumorigenesis. 2008 , 27, 2181-93	71
1130	Phosphoinositide signalling links O-GlcNAc transferase to insulin resistance. 2008 , 451, 964-9	440
1129	Genes involved in cell adhesion, cell motility and mitogenic signaling are altered due to HPV 16 E5 protein expression. 2008 , 27, 2532-41	50
1128	Up-regulation of the phosphoinositide 3-kinase pathway in human lamina propria T lymphocytes. 2008 , 151, 496-504	10
1127	FOXOs, cancer and regulation of apoptosis. 2008 , 27, 2312-9	427
1126	Class I PI3K in oncogenic cellular transformation. 2008 , 27, 5486-96	457
1125	PI3K pathway alterations in cancer: variations on a theme. 2008 , 27, 5497-510	1441
1124	The PTEN-PI3K pathway: of feedbacks and cross-talks. 2008 , 27, 5527-41	649
1123	Scaffolding function of PAK in the PDK1-Akt pathway. 2008 , 10, 1356-64	162
1122	Ca ²⁺ signalling checkpoints in cancer: remodelling Ca ²⁺ for cancer cell proliferation and survival. 2008 , 8, 361-75	500
1121	Membrane recognition by phospholipid-binding domains. 2008 , 9, 99-111	1130
1120	Lipid signalling in disease. 2008 , 9, 162-76	922

1119	The epidermal growth factor receptor system in skin repair and inflammation. 2008 , 128, 1365-74	303
1118	Role of network branching in eliciting differential short-term signaling responses in the hypersensitive epidermal growth factor receptor mutants implicated in lung cancer. 2008 , 24, 540-53	21
1117	GM1-induced activation of phosphatidylinositol 3-kinase: involvement of Trk receptors. 2008 , 104, 1466-77	37
1116	In brain, Axl recruits Grb2 and the p85 regulatory subunit of PI3 kinase; in vitro mutagenesis defines the requisite binding sites for downstream Akt activation. 2008 , 106, 134-46	36
1115	Nerve growth factor regulates the expression of the cholinergic locus and the high-affinity choline transporter via the Akt/PKB signaling pathway. 2008 , 107, 1284-93	29
1114	Phosphoinositide 3-kinase delta inhibitor as a novel therapeutic agent in asthma. 2008 , 13, 764-71	26
1113	Adenoviral cardiotrophin-1 transfer improves survival and early graft function after ischemia and reperfusion in rat small-for-size liver transplantation model. 2008 , 21, 372-83	19
1112	A comprehensive analysis of transcript signatures of the phosphatidylinositol-3 kinase/protein kinase B signal-transduction pathway in prostate cancer. 2008 , 101, 1454-60	20
1111	Integrating differentiation and cancer: the Nkx3.1 homeobox gene in prostate organogenesis and carcinogenesis. 2008 , 76, 717-27	102
1110	PI3K/Akt signaling as a key regulatory pathway for chondrocyte terminal differentiation. 2008 , 13, 839-50	81
1109	Down-regulation of the PI3-kinase/Akt pathway by ERK MAP kinase in growth factor signaling. 2008 , 13, 941-7	49
1108	Effects of Akt signaling on nuclear reprogramming. 2008 , 13, 1269-77	19
1107	SIRT6 in DNA repair, metabolism and ageing. 2008 , 263, 128-41	117
1106	Increased staining for phosphorylated AKT and nuclear factor-kappaB p65 and their relationship with prognosis in epithelial ovarian cancer. 2008 , 58, 749-56	53
1105	Can we circumvent resistance to ErbB2-targeted agents by targeting novel pathways?. 2008 , 8 Suppl 3, S121-30	20
1104	The FoxO transcription factors and metabolic regulation. 2008 , 582, 54-67	136
1103	Role of Bax in quercetin-induced apoptosis in human prostate cancer cells. 2008 , 75, 2345-55	82
1102	PIK3CA gene mutations in breast carcinoma in Malaysian patients. 2008 , 187, 74-9	7

1101	Discovery of drug-resistant and drug-sensitizing mutations in the oncogenic PI3K isoform p110 alpha. 2008 , 14, 180-92	86
1100	Integrins as regulators of the mitotic machinery. 2008 , 20, 576-82	33
1099	Mycobacterium bovis Bacillus Calmette-Guérin (BCG) stimulates IL-10 production via the PI3K/Akt and p38 MAPK pathways in human lung epithelial cells. 2008 , 251, 37-42	21
1098	PKB and the mitochondria: AKTing on apoptosis. 2008 , 20, 21-30	181
1097	Short-type PB-cadherin promotes self-renewal of spermatogonial stem cells via multiple signaling pathways. 2008 , 20, 1052-60	28
1096	Akt stabilizes estrogen receptor alpha with the concomitant reduction in its transcriptional activity. 2008 , 20, 1368-74	24
1095	Moving towards a better understanding of chemotaxis. 2008 , 18, R485-94	135
1094	Targeting epidermal growth factor receptor and SRC pathways in head and neck cancer. 2008 , 35, 286-97	73
1093	Restraint stress induces lymphocyte reduction through p53 and PI3K/NF-kappaB pathways. 2008 , 200, 71-6	23
1092	Chronic restraint stress promotes immune suppression through toll-like receptor 4-mediated phosphoinositide 3-kinase signaling. 2008 , 204, 13-9	51
1091	The microfilament system and malignancy. 2008 , 18, 2-11	65
1090	Taming the PI3K team to hold inflammation and cancer at bay. 2008 , 118, 192-205	54
1089	Endosomal colocalization of melanocortin-3 receptor and beta-arrestins in CAD cells with altered modification of AKT/PKB. 2008 , 42, 355-66	10
1088	The identification of 2-(1H-indazol-4-yl)-6-(4-methanesulfonyl-piperazin-1-ylmethyl)-4-morpholin-4-yl-thieno[3,2-d]pyrimidine (GDC-0941) as a potent, selective, orally bioavailable inhibitor of class I PI3 kinase for the treatment of cancer. 2008 , 51, 5322-32	631
1087	Computational methods for biomolecular electrostatics. 2008 , 84, 843-70	55
1086	The regulation of cell motility and chemotaxis by phospholipid signaling. 2008 , 121, 551-9	280
1085	Pioglitazone inhibition of lipopolysaccharide-induced nitric oxide synthase is associated with altered activity of p38 MAP kinase and PI3K/Akt. 2008 , 5, 4	95
1084	The PI(3,5)P2 and PI(4,5)P2 interactomes. 2008 , 7, 5295-313	77

1083	Gastrin-mediated interleukin-8 and cyclooxygenase-2 gene expression: differential transcriptional and posttranscriptional mechanisms. 2008 , 134, 1070-82	52
1082	Autocrine TGF-beta signaling in the pathogenesis of systemic sclerosis. 2008 , 49, 103-13	111
1081	Phosphoinositide-3-kinases (PI3Ks): combined comparative modeling and 3D-QSAR to rationalize the inhibition of p110alpha. 2008 , 48, 629-38	25
1080	NVP-BEZ235, a dual PI3K/mTOR inhibitor, prevents PI3K signaling and inhibits the growth of cancer cells with activating PI3K mutations. 2008 , 68, 8022-30	661
1079	Insulin action on glucose transporters through molecular switches, tracks and tethers. 2008 , 413, 201-15	219
1078	Sensitization of Cancer Cells for Chemo/Immuno/Radio-therapy. 2008 ,	2
1077	Effect of 2-hydroxyethyl methacrylate on human pulp cell survival pathways ERK and AKT. 2008 , 34, 684-8	50
1076	Dual regulation of glucocorticoid-induced leucine zipper (GILZ) by the glucocorticoid receptor and the PI3-kinase/AKT pathways in multiple myeloma. 2008 , 110, 244-54	30
1075	Differential regulation of cytokine production by PI3Kdelta in human monocytes upon acute and chronic inflammatory conditions. 2008 , 45, 3419-27	13
1074	Estrogen induces endothelial progenitor cells proliferation and migration by estrogen receptors and PI3K-dependent pathways. 2008 , 75, 45-52	50
1073	Recent advances in the genetic analysis of PTEN and PI3K innate immune properties. 2008 , 213, 759-65	32
1072	Apoptosis-suppressing and autophagy-promoting effects of calpain on oridonin-induced L929 cell death. 2008 , 475, 148-55	53
1071	Phosphatase and tensin homologue and pituitary tumor-transforming gene in pituitary adenomas. Clinical-pathologic and immunohistochemical analysis. 2008 , 12, 275-282	13
1070	Molecular mechanisms underlying airway smooth muscle contraction and proliferation: implications for asthma. 2008 , 102, 1173-81	70
1069	Evidence for the existence of a functional Kiss1/Kiss1 receptor pathway in fish. 2008 , 29, 57-64	99
1068	PHLiPPing the switch on Akt and protein kinase C signaling. 2008 , 19, 223-30	143
1067	N-Glycans in cancer progression. 2008 , 18, 750-60	320
1066	Taspine downregulates VEGF expression and inhibits proliferation of vascular endothelial cells through PI3 kinase and MAP kinase signaling pathways. 2008 , 62, 383-9	9

1065	FGFR2-Cbl interaction in lipid rafts triggers attenuation of PI3K/Akt signaling and osteoblast survival. 2008 , 42, 1032-9	44
1064	Decreased production of vascular endothelial growth factor in adriamycin-resistant breast cancer cells. 2008 , 268, 225-32	20
1063	Role of interleukin-1 receptor type II in the pathogenesis of endometriosis. 2008 , 89, 42-51	17
1062	Role of mTOR in anticancer drug resistance: perspectives for improved drug treatment. 2008 , 11, 63-76	187
1061	Molecular mapping of human hepatocellular carcinoma provides deeper biological insight from genomic data. 2008 , 44, 885-97	37
1060	Targeted therapies in breast cancer: where are we now?. 2008 , 44, 2781-90	71
1059	TRAF6-mediated regulation of the PI3 kinase (PI3K)-Akt-GSK3beta cascade is required for TNF-induced cell survival. 2008 , 371, 118-21	20
1058	Akt kinase reducing endoplasmic reticulum Ca ²⁺ release protects cells from Ca ²⁺ -dependent apoptotic stimuli. 2008 , 375, 501-5	97
1057	Temperature sensitivity of phospho-Ser(473)-PKB/AKT. 2008 , 375, 399-404	18
1056	Reduced expression of SRC family kinases decreases PI3K activity in NBS1 ^{-/-} lymphoblasts. 2008 , 377, 181-6	5
1055	A new evaluation method for quantifying PI3K activity by HTRF assay. 2008 , 377, 941-5	11
1054	Inhibition of PI-3 kinase for treating respiratory disease: good idea or bad idea?. 2008 , 8, 267-74	23
1053	Characteristics of signalling properties mediated by long-acting insulin analogue glargine and detemir in target cells of insulin. 2008 , 81, 269-77	30
1052	Postconditioning by volatile anesthetics: salvaging ischemic myocardium at reperfusion by activation of prosurvival signaling. 2008 , 22, 753-65	51
1051	Radiosensitization of EMT6 mammary carcinoma cells by 2-benzoyl-3-phenyl-6,7-dichloroquinoline 1,4-dioxide. 2008 , 86, 412-8	7
1050	The PI 3-kinase and mTOR signaling pathways are important modulators of epithelial tubule formation. 2008 , 216, 469-79	11
1049	Activation of the PI3-K/AKT pathway and implications for radioresistance mechanisms in head and neck cancer. 2008 , 9, 288-96	279
1048	Molecular biology of renal cortical tumors. 2008 , 35, 573-80; vi	27

1047	A quantitative study of the recruitment potential of all intracellular tyrosine residues on EGFR, FGFR1 and IGF1R. 2008 , 4, 643-53	51
1046	Negative Regulation of AKT Activation by BRCA1. 2008 , 68, 10040-4	97
1045	Overexpression of the p85alpha regulatory subunit of phosphatidylinositol 3-kinase inhibits GM-CSF-dependent colony formation of CD34+ hematopoietic progenitor cells. 2008 , 49, 1206-8	1
1044	Binding of influenza A virus NS1 protein to the inter-SH2 domain of p85 suggests a novel mechanism for phosphoinositide 3-kinase activation. 2008 , 283, 1372-1380	53
1043	Akt as a therapeutic target in cancer. 2008 , 12, 1139-65	114
1042	Signal amplification between Gbetagamma release and PI3Kgamma-mediated PI(3,4,5)P3 formation monitored by a fluorescent Gbetagamma biosensor protein and repetitive two component total internal reflection/fluorescence redistribution after photobleaching analysis. 2008 , 17, 1100-5	13
1041	Role of the phosphoinositide 3-kinase-Akt-mammalian target of the rapamycin signaling pathway in long-term potentiation and trace fear conditioning memory in rat medial prefrontal cortex. 2008 , 15, 762-76	149
1040	Protein phosphatase 3 differentially modulates vascular endothelial growth factor- and fibroblast growth factor 2-stimulated cell proliferation and signaling in ovine fetoplacental artery endothelial cells. 2008 , 79, 704-10	23
1039	Txnip balances metabolic and growth signaling via PTEN disulfide reduction. 2008 , 105, 3921-6	169
1038	Class 1A PI3K regulates vessel integrity during development and tumorigenesis. 2008 , 105, 9739-44	93
1037	Akt2 overexpression plays a critical role in the establishment of colorectal cancer metastasis. 2008 , 105, 20315-20	133
1036	Mechanism of influenza A virus NS1 protein interaction with the p85beta, but not the p85alpha, subunit of phosphatidylinositol 3-kinase (PI3K) and up-regulation of PI3K activity. 2008 , 283, 23397-409	43
1035	Small molecule disruption of G protein beta gamma subunit signaling inhibits neutrophil chemotaxis and inflammation. 2008 , 73, 410-8	183
1034	The ubiquitin ligase Nedd4-1 is dispensable for the regulation of PTEN stability and localization. 2008 , 105, 8585-90	137
1033	Phosphatidylinositol 3-kinase is a key mediator of central sensitization in painful inflammatory conditions. 2008 , 28, 4261-70	116
1032	Diphenyl difluoroketone: a curcumin derivative with potent in vivo anticancer activity. 2008 , 68, 1962-9	132
1031	Novel agents in the era of targeted therapy: what have we learned and how has our practice changed?. 2008 , 19 Suppl 7, vii281-8	3
1030	Insights into the oncogenic effects of PIK3CA mutations from the structure of p110alpha/p85alpha. 2008 , 7, 1151-6	67

1029	Cancer cell-derived clusterin modulates the phosphatidylinositol 3'-kinase-Akt pathway through attenuation of insulin-like growth factor 1 during serum deprivation. 2008 , 28, 4285-99	48
1028	Molecular mechanism of membrane targeting by the GRP1 PH domain. 2008 , 49, 1807-15	42
1027	Class I PI3 kinase inhibition by the pyridinylfuranopyrimidine inhibitor PI-103 enhances tumor radiosensitivity. 2008 , 68, 5915-23	115
1026	Gbetagamma dimers released in response to thyrotropin activate phosphoinositide 3-kinase and regulate gene expression in thyroid cells. 2008 , 22, 1183-99	51
1025	Inhibition of VEGF blocks TGF-beta1 production through a PI3K/Akt signalling pathway. 2008 , 31, 523-31	67
1024	Deregulation of the Akt pathway in human cancer. 2008 , 8, 27-36	179
1023	Regulation of innate immunity by inositol 1,3,4,5-tetrakisphosphate. 2008 , 7, 2803-8	13
1022	Cell cycle-dependent regulation of SFK, JAK1 and STAT3 signalling by the protein tyrosine phosphatase TCPTP. 2008 , 7, 3405-16	18
1021	Hexamethylene bisacetamide (HMBA) simultaneously targets AKT and MAPK pathway and represses NF kappaB activity: implications for cancer therapy. 2008 , 7, 3759-67	59
1020	Phosphoinositide 3-kinase inhibitors protect mouse kidney cells from cyclosporine-induced cell death. 2008 , 73, 77-85	22
1019	Oncogenic mutations of the PIK3CA gene in head and neck squamous cell carcinomas. 2008 ,	9
1018	The covalent modification and regulation of TLR8 in HEK-293 cells stimulated with imidazoquinoline agonists. 2008 , 409, 275-87	17
1017	PTEN-deficient cancers depend on PIK3CB. 2008 , 105, 13057-62	427
1016	Enhancement radiosensitization of breast cancer cells by deguelin. 2008 , 23, 355-62	17
1015	Laminin-332 promotes the invasion of oesophageal squamous cell carcinoma via PI3K activation. 2008 , 98, 974-80	32
1014	Constitutive activation of phosphatidylinositol 3-kinase signaling pathway down-regulates TLR4-mediated tumor necrosis factor-alpha release in alveolar macrophages from asymptomatic HIV-positive persons in vitro. 2008 , 283, 33191-8	26
1013	Identification of a PTEN-regulated STAT3 brain tumor suppressor pathway. 2008 , 22, 449-62	257
1012	Akt-mediated phosphorylation of CDK2 regulates its dual role in cell cycle progression and apoptosis. 2008 , 121, 979-88	134

1011	Tumor suppressor Foxo3a is involved in the regulation of lipopolysaccharide-induced interleukin-8 in intestinal HT-29 cells. 2008 , 76, 4677-85	40
1010	Genetic analysis of the role of the PI3K-Akt pathway in lipopolysaccharide-induced cytokine and tissue factor gene expression in monocytes/macrophages. 2008 , 180, 4218-26	182
1009	Toll-like receptor-4 modulates survival by induction of left ventricular remodeling after myocardial infarction in mice. 2008 , 180, 6954-61	101
1008	Helical domain and kinase domain mutations in p110alpha of phosphatidylinositol 3-kinase induce gain of function by different mechanisms. 2008 , 105, 2652-7	328
1007	ADP-ribosylation factor 1 controls the activation of the phosphatidylinositol 3-kinase pathway to regulate epidermal growth factor-dependent growth and migration of breast cancer cells. 2008 , 283, 36425-34	72
1006	Phosphatidylinositol-3-kinase-atypical protein kinase C signaling is required for Wnt attraction and anterior-posterior axon guidance. 2008 , 28, 3456-67	84
1005	Insulin-like growth factor-I stimulates Shc-dependent phosphatidylinositol 3-kinase activation via Grb2-associated p85 in vascular smooth muscle cells. 2008 , 283, 16320-31	52
1004	EGFR-dependent migration of glial cells is mediated by reorganisation of N-cadherin. 2008 , 121, 4089-97	30
1003	Differential signaling pathways in angiotensin II- and epidermal growth factor-stimulated hepatic C9 cells. 2008 , 74, 1223-33	9
1002	A high-throughput liposome substrate assay with automated lipid extraction process for PI 3-kinase. 2008 , 13, 906-11	8
1001	Inositol trisphosphate 3-kinase B (InsP3KB) as a physiological modulator of myelopoiesis. 2008 , 105, 4739-44	28
1000	The effects of common genetic variants in oncogenes on ovarian cancer survival. 2008 , 14, 5833-9	30
999	Plant flavonoid apigenin inactivates Akt to trigger apoptosis in human prostate cancer: an in vitro and in vivo study. 2008 , 29, 2210-7	69
998	Ginsenoside Re reduces insulin resistance through inhibition of c-Jun NH2-terminal kinase and nuclear factor-kappaB. 2008 , 22, 186-95	63
997	Lower phosphoinositide 3-kinase (PI 3-kinase) activity and differential expression levels of selective catalytic and regulatory PI 3-kinase subunit isoforms in prefrontal cortex and hippocampus of suicide subjects. 2008 , 33, 2324-40	30
996	Resveratrol inhibits high glucose-induced PI3K/Akt/ERK-dependent interleukin-17 expression in primary mouse cardiac fibroblasts. 2008 , 294, H2078-87	86
995	Oncogenes and Signal Transduction. 2008 , 17-30	
994	Lipopolysaccharide-induced myocardial protection against ischaemia/reperfusion injury is mediated through a PI3K/Akt-dependent mechanism. 2008 , 78, 546-53	134

993	PI3K/Akt activation is critical for early hepatic regeneration after partial hepatectomy. 2008 , 294, G1401-10	68
992	Phosphatidylinositol 3-kinase/Akt signaling mediates interleukin-32alpha induction in human pancreatic periacinar myofibroblasts. 2008 , 294, G831-8	32
991	Pharmacological enhancement of neuronal survival. 2008 , 38, 349-89	43
990	Loss of PTEN attenuates the development of pathological hypertrophy and heart failure in response to biomechanical stress. 2008 , 78, 505-14	87
989	Cytokines and cytokine receptors. 2008 , 139-171	1
988	Fish and apoptosis: molecules and pathways. 2008 , 14, 148-69	48
987	Retinal degeneration triggered by inactivation of PTEN in the retinal pigment epithelium. 2008 , 22, 3147-57	56
986	BMP2 induction of actin cytoskeleton reorganization and cell migration requires PI3-kinase and Cdc42 activity. 2008 , 121, 3960-70	89
985	Nephrin mediates actin reorganization via phosphoinositide 3-kinase in podocytes. 2008 , 73, 556-66	143
984	Mammalian target of rapamycin (mTOR) pathway signalling in lymphomas. 2008 , 10, e4	33
983	Response and determinants of cancer cell susceptibility to PI3K inhibitors: combined targeting of PI3K and Mek1 as an effective anticancer strategy. 2008 , 7, 307-15	66
982	Animal models of renal disease. 2008 , 73, 526-8	10
981	Association between phosphatidylinositol 3-kinase regulatory subunit p85alpha Met326Ile genetic polymorphism and colon cancer risk. 2008 , 14, 633-7	37
980	Molecular signature of MT1-MMP: transactivation of the downstream universal gene network in cancer. 2008 , 68, 4086-96	57
979	Nerve growth factor inhibits Na ⁺ /H ⁺ exchange and formula absorption through parallel phosphatidylinositol 3-kinase-mTOR and ERK pathways in thick ascending limb. 2008 , 283, 26602-11	24
978	Role of mitochondrial dysfunction in insulin resistance. 2008 , 102, 401-14	634
977	Opposite effects of Notch-1 and Notch-2 on mesothelioma cell survival under hypoxia are exerted through the Akt pathway. 2008 , 68, 9678-85	95
976	Integration of protein kinases mTOR and extracellular signal-regulated kinase 5 in regulating nucleocytoplasmic localization of NFATc4. 2008 , 28, 3489-501	38

975	Applications of emerging molecular technologies in glioblastoma multiforme. 2008 , 8, 1497-506	20
974	Nephrin AKTs on actin: The slit diaphragm-actin cytoskeleton signaling network expands. 2008 , 73, 524-6	14
973	Recent developments in identifying genetic determinants of premature ovarian failure. 2008 , 2, 228-43	45
972	Nonerythropoietic derivative of erythropoietin protects against tubulointerstitial injury in a unilateral ureteral obstruction model. 2008 , 23, 1521-8	41
971	A genetic variation in inositol polyphosphate 4 phosphatase a enhances susceptibility to asthma. 2008 , 177, 712-9	38
970	Essential roles of the PI3 kinase/Akt pathway in regulating Nrf2-dependent antioxidant functions in the RPE. 2008 , 49, 1671-8	171
969	Dual regulatory roles of phosphatidylinositol 3-kinase in IFN signaling. 2008 , 181, 7316-23	67
968	Oocyte-specific deletion of Pten causes premature activation of the primordial follicle pool. <i>Science</i> , 2008 , 319, 611-3	33.3 578
967	Cardiac regulation by phosphoinositide 3-kinases and PTEN. 2009 , 82, 250-60	185
966	Inositol Polyphosphates. 2008 , 1	2
965	AML1 and Evi1: coconspirators in MDS/AML?. 2008 , 111, 3916-7	
964	Below the NK-cell surface: PIP2. 2008 , 111, 3916	3
963	Combinatorial application of nucleic acid-based agents targeting protein kinases for cancer treatment. 2008 , 14, 1098-112	9
962	A role for SHIP in stem cell biology and transplantation. 2008 , 3, 99-106	10
961	Signal Transduction Targets in Prostate Cancer. 2008 , 3, 112-128	1
960	G Protein-Coupled Receptor-Receptor Tyrosine Kinase Receptor Crosstalk: Regulation of Receptor Sensitivity and Roles of Autocrine Feedback Loops and Signal Integration. 2008 , 3, 174-182	10
959	Enhancing the cytotoxic activity of novel targeted therapies--is there a role for a combinatorial approach?. 2008 , 3, 108-17	17
958	Activation of phosphatidylinositol-3 kinase regulates pancreatic duodenal homeobox-1 in duct cells during pancreatic regeneration. 2008 , 36, 153-9	14

957	Inositol Phospholipids: Biosynthesis and Biological Functions. 2008 , 1	
956	Convergence of leptin and insulin signaling networks in obesity. 127-163	
955	Intermittent reloading attenuates muscle atrophy through modulating Akt/mTOR pathway. 2008 , 40, 848-55	21
954	Class IA phosphoinositide 3-kinase isoforms and human tumorigenesis: implications for cancer drug discovery and development. 2008 , 20, 77-82	18
953	Molecule-targeted agents in endometrial cancer. 2008 , 20, 554-9	18
952	Mutations of the PIK3CA gene in diffuse large B cell lymphoma. 2008 , 17, 159-65	45
951	Reproductive Endocrinology. 2008 , 81-94	
950	Molecular Basis of Insulin Action. 2008 , 36-55	4
949	Isoform selective phosphoinositide 3-kinase gamma and delta inhibitors and their therapeutic potential. 2008 , 2, 1-10	14
948	Signal Transduction by Growth Factor Receptors. 2008 , 155-168	
947	Aberrant signaling in T-cell acute lymphoblastic leukemia: biological and therapeutic implications. 2008 , 41, 344-50	17
946	Changes of Coregulators, MAP Kinase Activity and p27/kip1 with Estrogen or Antiestrogen Treatment in Breast Cancer Cell Line. 2008 , 11, 56	
945	Inhibition of PI3K improves contractility in alpha1-adrenergically stimulated myocardium. 2008 , 13, 6841-9	6
944	Breast tumor cells with PI3K mutation or HER2 amplification are selectively addicted to Akt signaling. 2008 , 3, e3065	226
943	The effect of HIF-1alpha siRNA on growth and chemosensitivity of MIA-paca cell line. 2008 , 49, 295-300	11
942	PI-3K/Akt pathway-dependent cyclin D1 expression is responsible for arsenite-induced human keratinocyte transformation. 2008 , 116, 1-6	41
941	The monoclonal antibody nBT062 conjugated to maytansinoids has potent and selective cytotoxicity against CD138 positive multiple myeloma cells in vitro and in vivo. 2008 ,	2
940	DNA repair, insulin signaling and sirtuins: at the crossroads between cancer and aging. 2008 , 13, 6966-90	8

939 Regulation of inhibitors of differentiation family proteins by thyroid-stimulating hormone in FRTL-5 thyroid cells. **2008**, 23, 262-9

938 . **2009**,

7

937 Managing Common Conditions Associated with Diabetes. 281-333

936 Molecular Targets for Treatment of Breast Cancer. **2009**, 12, 229

935 Epidemiological and molecular mechanisms aspects linking obesity and cancer. **2009**, 53, 213-26

39

934 S9, a novel anticancer agent, exerts its anti-proliferative activity by interfering with both PI3K-Akt-mTOR signaling and microtubule cytoskeleton. **2009**, 4, e4881

43

933 Maximum entropy reconstructions of dynamic signaling networks from quantitative proteomics data. **2009**, 4, e6522

22

932 Oocyte-specific deletion of Pten in mice reveals a stage-specific function of PTEN/PI3K signaling in oocytes in controlling follicular activation. **2009**, 4, e6186

87

931 Emerging drugs in the treatment of pancreatic cancer. **2009**, 14, 311-28

9

930 (1,3)- β -Glucans in Innate Immunity. **2009**, 579-619

8

929 Phosphorylation of IRS proteins, insulin action, and insulin resistance. **2009**, 296, E581-91

370

928 Blocking phosphoinositide 3-kinase activity in colorectal cancer cells reduces proliferation but does not increase apoptosis alone or in combination with cytotoxic drugs. **2009**, 7, 955-65

20

927 The membrane mucin Muc4 inhibits apoptosis induced by multiple insults via ErbB2-dependent and ErbB2-independent mechanisms. **2009**, 69, 2845-52

58

926 A frequent kinase domain mutation that changes the interaction between PI3K α and the membrane. **2009**, 106, 16996-7001

218

925 PDK1 signaling in oocytes controls reproductive aging and lifespan by manipulating the survival of primordial follicles. **2009**, 18, 2813-24

190

924 Early atorvastatin reduces hemorrhage after acute cerebral ischemia in diabetic rats. **2009**, 330, 532-40

39

923 Molecular mechanisms underlying the activation of mammalian primordial follicles. **2009**, 30, 438-64

276

922 Role of glycogen synthase kinase-3 in L-DOPA-induced neurotoxicity. **2009**, 5, 1359-68

6

921	The role of signalling molecules on actin glutathionylation and protein carbonylation induced by cadmium in haemocytes of mussel <i>Mytilus galloprovincialis</i> (Lmk). 2009 , 212, 3612-20	34
920	Common polymorphism in the phosphatase PHLPP2 results in reduced regulation of Akt and protein kinase C. 2009 , 284, 15215-23	32
919	Activation of the bone morphogenetic protein receptor by H11kinase/Hsp22 promotes cardiac cell growth and survival. 2009 , 104, 887-95	39
918	Regulation of the Src homology 2 domain-containing inositol 5'-phosphatase (SHIP1) by the cyclic AMP-dependent protein kinase. 2009 , 284, 20070-8	11
917	RGS16 inhibits breast cancer cell growth by mitigating phosphatidylinositol 3-kinase signaling. 2009 , 284, 21719-27	48
916	Myeloid-specific deletion of tumor suppressor PTEN augments neutrophil transendothelial migration during inflammation. 2009 , 182, 7190-200	32
915	(-)-Epigallocatechin-3-gallate (EGCG) increases the viability of serum-starved A549 cells through its effect on Akt. 2009 , 37, 723-34	13
914	Activation of the PI3K/AKT pathway induces urothelial carcinoma of the renal pelvis: identification in human tumors and confirmation in animal models. 2009 , 69, 8256-64	54
913	Fibronectin increases survival of rat hepatic stellate cells--a novel profibrogenic mechanism of fibronectin. 2009 , 24, 271-82	17
912	Insulin receptor signaling for the proliferation of pancreatic β cells: involvement of Ca^{2+} second messengers, IP3, NAADP and cADPR. 2009 , 1, 216-23	22
911	Shiga toxin 1-induced proinflammatory cytokine production is regulated by the phosphatidylinositol 3-kinase/Akt/mammalian target of rapamycin signaling pathway. 2009 , 77, 3919-31	25
910	The role of autophagy in sensitizing malignant glioma cells to radiation therapy. 2009 , 41, 341-51	100
909	Interleukin-32 expression in the pancreas. 2009 , 284, 17868-76	80
908	Bis(maltolato)-oxovanadium (IV)-induced phosphorylation of PKB, GSK-3 and FOXO1 contributes to its glucoregulatory responses (review). 2009 , 24, 303-9	28
907	PKC-beta1 mediates glucose-induced Akt activation and TGF-beta1 upregulation in mesangial cells. 2009 , 20, 554-66	89
906	Effect of hydrogen sulfide on the phosphatidylinositol 3-kinase-protein kinase B pathway and on caerulein-induced cytokine production in isolated mouse pancreatic acinar cells. 2009 , 329, 1166-77	37
905	Genomics and Pharmacogenomics in Anticancer Drug Development and Clinical Response. 2009 ,	2
904	Inhibition of class I phosphoinositide 3-kinase activity impairs proliferation and triggers apoptosis in acute promyelocytic leukemia without affecting atra-induced differentiation. 2009 , 69, 1027-36	43

903	Inhibition of mTOR radiosensitizes soft tissue sarcoma and tumor vasculature. 2009 , 15, 589-96	38
902	PIK3CA mutations are not a major determinant of resistance to the epidermal growth factor receptor inhibitor cetuximab in metastatic colorectal cancer. 2009 , 15, 3184-8	276
901	EGF increases TRPM6 activity and surface expression. 2009 , 20, 78-85	134
900	Bacillus polyfermenticus ameliorates colonic inflammation by promoting cytoprotective effects in colitic mice. 2009 , 139, 1848-54	18
899	Urinary trypsin inhibitors afford cardioprotective effects through activation of PI3K-Akt and ERK signal transduction and inhibition of p38 MAPK and JNK. 2009 , 114, 264-70	18
898	Cardioprotective growth factors. 2009 , 83, 179-94	70
897	Negative action of hepatocyte growth factor/c-Met system on angiotensin II signaling via ligand-dependent epithelial growth factor receptor degradation mechanism in vascular smooth muscle cells. 2009 , 105, 667-75, 13 p following 675	37
896	Tyrosine phosphorylation and CD95: a FAScinating switch. 2009 , 8, 838-42	45
895	Chemotherapeutic sensitization by endoplasmic reticulum stress: increasing the efficacy of taxane against prostate cancer. 2009 , 8, 146-52	35
894	Glycoprotein extraction from Laminaria japonica promotes IEC-6 cell proliferation. 2009 , 24, 819-24	16
893	Akt increases sarcoplasmic reticulum Ca ²⁺ cycling by direct phosphorylation of phospholamban at Thr17. 2009 , 284, 28180-28187	50
892	Emerging therapies for multiple myeloma. 2009 , 14, 99-127	40
891	Phosphatidyl inositol 3-kinase signaling in hypothalamic proopiomelanocortin neurons contributes to the regulation of glucose homeostasis. 2009 , 150, 4874-82	74
890	The AKT axis as a therapeutic target in autoimmune diseases. 2009 , 9, 145-50	48
889	Phosphatidylinositol 3 kinase/Akt signal relay cooperates with smad in bone morphogenetic protein-2-induced colony stimulating factor-1 (CSF-1) expression and osteoclast differentiation. 2009 , 150, 4989-98	49
888	Targeting the mTOR pathway using deforolimus in cancer therapy. 2009 , 5, 291-303	42
887	EGFR-PLCgamma1 signaling mediates high glucose-induced PKCbeta1-Akt activation and collagen I upregulation in mesangial cells. 2009 , 297, F822-34	20
886	Peroxisome proliferator-activated receptor gamma agonist pioglitazone prevents the hyperglycemia caused by phosphatidylinositol 3-kinase pathway inhibition by PX-866 without affecting antitumor activity. 2009 , 8, 94-100	24

885	Insulin regulation of proliferation involves activation of AKT and ERK 1/2 signaling pathways in vascular smooth muscle cells. 2009 , 117, 214-9	16
884	Adenomatous polyposis coli and Asef function downstream of hepatocyte growth factor and phosphatidylinositol 3-kinase. 2009 , 284, 22436-22443	21
883	Expression of p-Akt in sensory neurons and spinal cord after peripheral nerve injury. 2009 , 17, 203-12	41
882	Differential proteomic analysis of cyclosporine A-induced toxicity in renal proximal tubule cells. 2009 , 24, 2672-86	32
881	PI3K gamma-deficient mice have reduced levels of allergen-induced eosinophilic inflammation and airway remodeling. 2009 , 296, L210-9	51
880	Maternal and postweaning diet interaction alters hypothalamic gene expression and modulates response to a high-fat diet in male offspring. 2009 , 297, R1049-57	95
879	Simvastatin reverses podocyte injury but not mesangial expansion in early stage type 2 diabetes mellitus. 2009 , 31, 503-13	16
878	Selective activation of PI3Kalpha/Akt/GSK-3beta signalling and cardiac compensatory hypertrophy during recovery from heart failure. 2009 , 11, 739-48	21
877	Maintenance of adrenergic vascular tone by MMP transactivation of the EGFR requires PI3K and mitochondrial ATP synthesis. 2009 , 84, 368-77	30
876	Role of PI3K/AKT, cPLA2 and ERK1/2 signaling pathways in insulin regulation of vascular smooth muscle cells proliferation. 2009 , 9, 172-80	32
875	Oncogenic EGFR signaling networks in glioma. 2009 , 2, re6	239
874	Molecular biology of inflammation and sepsis: a primer. 2009 , 37, 291-304	319
873	Platinum Complexes. 2008 , 2358-2363	
872	Exendin-4, a glucagon-like peptide 1 receptor agonist, protects cholangiocytes from apoptosis. 2009 , 58, 990-7	47
871	Phosphoinositide 3-kinase Akt signaling pathway interacts with protein kinase Cbeta2 in the regulation of physiologic developmental hypertrophy and heart function. 2009 , 296, H566-72	19
870	Impact of lipid phosphatases SHIP2 and PTEN on the time- and Akt-isoform-specific amelioration of TNF-alpha-induced insulin resistance in 3T3-L1 adipocytes. 2009 , 296, E157-64	12
869	Absence of Akt1 reduces vascular smooth muscle cell migration and survival and induces features of plaque vulnerability and cardiac dysfunction during atherosclerosis. 2009 , 29, 2033-40	118
868	Cellular cardiomyoplasty: what have we learned?. 2009 , 17, 89-101	13

867	Involvement of phosphatidylinositol 3-kinase in cAMP- and cGMP-induced duodenal epithelial CFTR activation in mice. 2009 , 297, C503-15	28
866	Mutations in the phosphatidylinositol-3-kinase pathway predict for antitumor activity of the inhibitor PX-866 whereas oncogenic Ras is a dominant predictor for resistance. 2009 , 69, 143-50	250
865	Spectrum of phosphatidylinositol 3-kinase pathway gene alterations in bladder cancer. 2009 , 15, 6008-17	197
864	Phosphatidylinositol 3'-kinase catalytic subunit alpha gene amplification contributes to the pathogenesis of mantle cell lymphoma. 2009 , 15, 5724-32	83
863	Arabidopsis FAB1/PIKfyve proteins are essential for development of viable pollen. 2009 , 151, 1812-22	64
862	FOXO transcription factors enforce cell cycle checkpoints and promote survival of hematopoietic cells after DNA damage. 2009 , 7, 1294-303	33
861	Activation of the PI3K pathway in cancer through inhibition of PTEN by exchange factor P-REX2a. <i>Science</i> , 2009 , 325, 1261-5	33-3 177
860	Thyroid hormone receptor beta1 acts as a potent suppressor of tumor invasiveness and metastasis. 2009 , 69, 501-9	116
859	The class II phosphatidylinositol 3 kinase C2beta is required for the activation of the K ⁺ channel KCa3.1 and CD4 T-cells. 2009 , 20, 3783-91	54
858	PIK3CA mutations in human solid tumors: role in sensitivity to various therapeutic approaches. 2009 , 8, 1352-8	133
857	PIK3CA in breast carcinoma: a mutational analysis of sporadic and hereditary cases. 2009 , 18, 200-5	31
856	Ethnic differences and functional analysis of MET mutations in lung cancer. 2009 , 15, 5714-23	151
855	Phosphoinositide signaling pathways: promising role as builders of epithelial cell polarity. 2009 , 273, 313-43	23
854	The monoclonal antibody nBT062 conjugated to cytotoxic Maytansinoids has selective cytotoxicity against CD138-positive multiple myeloma cells in vitro and in vivo. 2009 , 15, 4028-37	178
853	Comparison of variability and sensitivity between nuclear translocation and luciferase reporter gene assays. 2009 , 14, 59-65	5
852	Phosphoinositide 3-kinase mutations in breast cancer: a "good" activating mutation?. 2009 , 15, 5017-9	27
851	Dysregulated molecular networks in head and neck carcinogenesis. 2009 , 45, 324-34	276
850	Suppression of protein phosphatase 2 differentially modulates VEGF- and FGF2-induced signaling in ovine fetoplacental artery endothelial cells. 2009 , 30, 907-13	7

849	Interactions of methoxyacetic acid with androgen receptor. 2009 , 238, 101-10	23
848	Structure-based design of molecular cancer therapeutics. 2009 , 27, 315-28	57
847	alphavbeta5/beta6 integrin suppression leads to a stimulation of alpha2beta1 dependent cell migration resistant to PI3K/Akt inhibition. 2009 , 315, 1840-9	20
846	Molecular alterations of EGFR and PIK3CA in uterine serous carcinoma. 2009 , 113, 370-3	69
845	Altered SDF-1-mediated differentiation of bone marrow-derived endothelial progenitor cells in diabetes mellitus. 2009 , 13, 3405-14	31
844	The multifaceted roles of the receptor tyrosine kinase ROS in development and cancer. 2009 , 1795, 37-52	84
843	Characteristic response of astrocytes to plasminogen/plasmin to upregulate transforming growth factor beta 3 (TGFbeta3) production/secretion through proteinase-activated receptor-1 (PAR-1) and the downstream phosphatidylinositol 3-kinase (PI3K)-Akt/PKB signaling cascade. 2009 , 1305, 1-13	21
842	MicroRNA-21 protects from mesangial cell proliferation induced by diabetic nephropathy in db/db mice. 2009 , 583, 2009-14	129
841	Syndecan-4 promotes the retention of phosphatidylinositol 4,5-bisphosphate in the plasma membrane. 2009 , 583, 2395-400	4
840	Hypoglycaemia induced by Trichinella infection is due to the increase of glucose uptake in infected muscle cells. 2009 , 39, 427-34	9
839	Evidence that inositol polyphosphate 4-phosphatase type II is a tumor suppressor that inhibits PI3K signaling. 2009 , 16, 115-25	366
838	Somatic mutations in p85alpha promote tumorigenesis through class IA PI3K activation. 2009 , 16, 463-74	241
837	Should individual PI3 kinase isoforms be targeted in cancer?. 2009 , 21, 199-208	99
836	Microarray analyses of the effects of NF-kappaB or PI3K pathway inhibitors on the LPS-induced gene expression profile in RAW264.7 cells: synergistic effects of rapamycin on LPS-induced MMP9-overexpression. 2009 , 21, 1109-22	52
835	Phosphatidylinositol-3 kinase and phospholipase C enhance CSF-1-dependent macrophage survival by controlling glucose uptake. 2009 , 21, 1361-9	23
834	AA28-67 domain within MyD88 suppresses c-myc activity and expression to regulate differentiation and function of dendritic cells. 2009 , 133, 324-32	2
833	Chronic treatment with recombinant human erythropoietin exerts renoprotective effects beyond hematopoiesis in streptozotocin-induced diabetic rat. 2009 , 612, 106-14	36
832	Cancer therapy targeted at cellular signal transduction mechanisms: strategies, clinical results, and unresolved issues. 2009 , 625, 6-22	18

831	Basics of Molecular Biology, Genetic Engineering, and Metabolic Engineering. 9-66	
830	Low-density lipoprotein receptors regulate microglial inflammation through c-Jun N-terminal kinase. 2009 , 57, 444-53	66
829	Oncogenic HRAS mutations cause prolonged PI3K signaling in response to epidermal growth factor in fibroblasts of patients with Costello syndrome. 2009 , 30, 352-62	28
828	Proteomic and phosphoproteomic alterations in benign, premalignant and tumor human breast epithelial cells and xenograft lesions: biomarkers of progression. 2009 , 124, 2813-28	30
827	Tax1 enhances cancer cell proliferation via Ras-Raf-MEK-ERK signaling pathway. 2009 , 61, 685-92	19
826	Synergistic effect of rapamycin and cisplatin in endometrial cancer cells. 2009 , 115, 3887-96	48
825	Evaluation on in vitro biocompatibility of silk fibroin-based biomaterials with primarily cultured hippocampal neurons. 2009 , 91, 166-74	67
824	Magnolol induces apoptosis via inhibiting the EGFR/PI3K/Akt signaling pathway in human prostate cancer cells. 2009 , 106, 1113-22	90
823	Oncogenic H-Ras and PI3K signaling can inhibit E-cadherin-dependent apoptosis and promote cell survival after photodynamic therapy in mouse keratinocytes. 2009 , 219, 84-93	29
822	PI3K/AKT regulates aggrecan gene expression by modulating Sox9 expression and activity in nucleus pulposus cells of the intervertebral disc. 2009 , 221, 668-76	55
821	Src signaling in cancer invasion. 2010 , 223, 14-26	264
820	Mitochondria as targets for cancer therapy. 2009 , 53, 9-28	77
819	Signalisation et développement tumoral. 2009 , 11, 117-122	2
818	Molecular biology, models, and histopathology of chronic pancreatitis and pancreatic cancer. 2009 , 41, 250-267	1
817	Structure-based CoMFA and CoMSIA study of indolinone inhibitors of PDK1. 2009 , 23, 25-36	5
816	PI-3 K/AKT and ERK signaling pathways mediate leptin-induced inhibition of PPARgamma gene expression in primary rat hepatic stellate cells. 2009 , 325, 131-9	43
815	Growth factor receptors signaling in glioblastoma cells: therapeutic implications. 2009 , 92, 137-47	25
814	Phosphatidylinositol 3-kinase (PI3K) pathway activation in bladder cancer. 2009 , 28, 305-16	123

813	Resistin induces insulin resistance by both AMPK-dependent and AMPK-independent mechanisms in HepG2 cells. 2009 , 36, 60-9	63
812	Reduced volume-regulated outwardly rectifying anion channel activity in ventricular myocyte of type 1 diabetic mice. 2009 , 59, 87-96	7
811	The protective effects of emulsified isoflurane on myocardial ischemia and reperfusion injury in rats. 2009 , 56, 115-25	29
810	Atorvastatin prevents hippocampal cell death due to quinolinic acid-induced seizures in mice by increasing Akt phosphorylation and glutamate uptake. 2009 , 16, 106-15	84
809	Reactive oxygen species-dependent signaling regulates cancer. 2009 , 66, 3663-73	206
808	A novel signaling by vitamin A/retinol promotes self renewal of mouse embryonic stem cells by activating PI3K/Akt signaling pathway via insulin-like growth factor-1 receptor. 2010 , 28, 57-63	50
807	Characterization of the phosphoinositide 3-kinase-dependent transcriptome in murine embryonic stem cells: identification of novel regulators of pluripotency. 2009 , 27, 764-75	50
806	HAb18G/CD147 inhibits starvation-induced autophagy in human hepatoma cell SMMC7721 with an involvement of Beclin 1 down-regulation. 2009 , 100, 837-43	31
805	Signaling cross-talk between TGF-beta/BMP and other pathways. 2009 , 19, 71-88	714
804	Mal connects TLR2 to PI3Kinase activation and phagocyte polarization. 2009 , 28, 2018-27	88
803	Emerging common themes in regulation of PIKKs and PI3Ks. 2009 , 28, 3067-73	222
802	Novel anticancer targets: revisiting ERBB2 and discovering ERBB3. 2009 , 9, 463-75	881
801	Targeting PI3K signalling in cancer: opportunities, challenges and limitations. 2009 , 9, 550-62	1915
800	Upregulation of PIP3-dependent Rac exchanger 1 (P-Rex1) promotes prostate cancer metastasis. 2009 , 28, 1853-63	109
799	Tagging single-nucleotide polymorphisms in candidate oncogenes and susceptibility to ovarian cancer. 2009 , 100, 993-1001	21
798	The tyrosine kinase network regulating mast cell activation. 2009 , 228, 149-69	315
797	Identification of allosteric PIF-pocket ligands for PDK1 using NMR-based fragment screening and 1H-15N TROSY experiments. 2009 , 73, 179-88	51
796	Ischaemic post-conditioning protects both adult and aged Sprague-Dawley rat heart from ischaemia-reperfusion injury through the phosphatidylinositol 3-kinase-AKT and glycogen synthase kinase-3beta pathways. 2009 , 36, 756-63	32

795	Anti-apoptotic effect of heat shock protein 90 on hypoxia-mediated cardiomyocyte damage is mediated via the phosphatidylinositol 3-kinase/AKT pathway. 2009 , 36, 899-903	19
794	Helicobacter pylori activate epidermal growth factor receptor- and phosphatidylinositol 3-OH kinase-dependent Akt and glycogen synthase kinase 3beta phosphorylation. 2009 , 11, 70-82	80
793	Vaccinia-induced epidermal growth factor receptor-MEK signalling and the anti-apoptotic protein F1L synergize to suppress cell death during infection. 2009 , 11, 1208-18	30
792	Actors of the tyrosine kinase receptor downstream signaling pathways in amphioxus. 2009 , 11, 13-26	11
791	Activation of MAP kinases, Akt and PDGF receptors in injured peripheral nerves. 2009 , 14, 165-76	48
790	Ischemia activates JNK/c-Jun/AP-1 pathway to up-regulate 14-3-3gamma in astrocyte. 2009 , 109 Suppl 1, 182-8	51
789	Cilnidipine mediates a neuroprotective effect by scavenging free radicals and activating the phosphatidylinositol 3-kinase pathway. 2009 , 111, 90-100	28
788	Secreted phospholipase A2-IIA modulates key regulators of proliferation on astrocytoma cells. 2009 , 111, 988-99	14
787	Molecular aspects of ischaemic postconditioning. 2009 , 23, 521-36	40
786	Probing Akt-inhibitor interaction by chemical cross-linking and mass spectrometry. 2009 , 20, 1504-13	14
785	Involvement of headless myosin X in the motility of immortalized gonadotropin-releasing hormone neuronal cells. 2009 , 33, 578-85	10
784	Membrane-permeant phosphoinositide derivatives as modulators of growth factor signaling and neurite outgrowth. 2009 , 16, 1190-6	29
783	Targeted therapy for advanced non-small cell lung cancers: historical perspective, current practices, and future development. 2009 , 33, 73-111	17
782	Synthetic resveratrol aliphatic acid inhibits TLR2-mediated apoptosis and an involvement of Akt/GSK3beta pathway. 2009 , 17, 4378-82	24
781	Allosteric inhibitors of Akt1 and Akt2: discovery of [1,2,4]triazolo[3,4-f][1,6]naphthyridines with potent and balanced activity. 2009 , 19, 834-6	51
780	Phosphoinositide-3-kinase (PI3K) inhibitors: identification of new scaffolds using virtual screening. 2009 , 19, 5842-7	24
779	Ethanol inhibition of aspartyl-asparaginyl-beta-hydroxylase in fetal alcohol spectrum disorder: potential link to the impairments in central nervous system neuronal migration. 2009 , 43, 225-40	40
778	Involvement of the p110 alpha isoform of PI3K in early development of mouse embryos. 2009 , 76, 389-98	8

777	Receptors, Signaling Pathways, Cell Cycle, and DNA Damage Repair. 2009 , 9-18	
776	Rethinking phosphatidylinositol 3-monophosphate. 2009 , 1793, 1795-803	40
775	Polyunsaturated fatty acids inhibit PI3K activity in a yeast-based model system. 2009 , 4, 1190-7	15
774	A review of kinases implicated in pancreatic cancer. 2009 , 9, 738-54	30
773	Effects of caffeic acid and cinnamic acid on glucose uptake in insulin-resistant mouse hepatocytes. 2009 , 57, 7687-92	83
772	The CREB transcription factor and processes of memory formation. 2009 , 3, 155-163	2
771	Enamel matrix derivative protein stimulated wound healing via phosphoinositide 3-kinase. 2009 , 80, 1631-7	6
770	Rapid and efficient induction of an endogenous cell signaling event by subcellular targeting of a synthetic ligand. 2009 , 131, 13568-9	7
769	Upregulation of PTEN involved in scorpion venom-induced apoptosis in a lymphoma cell line. 2009 , 50, 633-41	16
768	PI3K/PTEN signaling in angiogenesis and tumorigenesis. 2009 , 102, 19-65	377
767	PI(3,4,5)P3 Interactome. 2009 , 8, 3712-26	42
766	Growth suppressive cytokines and the AKT/mTOR pathway. 2009 , 48, 138-43	25
765	Great expectations for PIP: phosphoinositides as regulators of signaling during development and disease. 2009 , 16, 12-20	55
764	Joint loading-driven bone formation and signaling pathways predicted from genome-wide expression profiles. 2009 , 44, 989-98	40
763	Phosphatase activity of nuclear PTEN is required for CDX2-mediated intestinal differentiation of gastric carcinoma. 2009 , 274, 143-50	11
762	Exogenous insulin stimulates glycogen accumulation in <i>Rhipicephalus (Boophilus) microplus</i> embryo cell line BME26 via PI3K/AKT pathway. 2009 , 153, 185-90	16
761	Inhibition of PI3K by ZSTK474 suppressed tumor growth not via apoptosis but G0/G1 arrest. 2009 , 379, 104-9	36
760	c-myb stimulates cell growth by regulation of insulin-like growth factor (IGF) and IGF-binding protein-3 in K562 leukemia cells. 2009 , 385, 38-43	13

759	Phosphoinositide 3-kinase gamma inhibitor ameliorates concanavalin A-induced hepatic injury in mice. 2009 , 386, 569-74	20
758	Ghrelin inhibits apoptosis induced by high glucose and sodium palmitate in adult rat cardiomyocytes through the PI3K-Akt signaling pathway. 2009 , 155, 62-9	46
757	Akt regulates skeletal development through GSK3, mTOR, and FoxOs. 2009 , 328, 78-93	78
756	Cardioprotective stimuli mediate phosphoinositide 3-kinase and phosphoinositide dependent kinase 1 nuclear accumulation in cardiomyocytes. 2009 , 47, 96-103	14
755	Mammalian phosphoinositide kinases and phosphatases. 2009 , 48, 307-43	186
754	Amlodipine inhibits TNF-alpha production and attenuates cardiac dysfunction induced by lipopolysaccharide involving PI3K/Akt pathway. 2009 , 9, 1032-41	48
753	Vasoactive intestinal peptide (VIP) induces transactivation of EGFR and HER2 in human breast cancer cells. 2009 , 302, 41-8	40
752	Real world clinicopathologic observations of patients with metastatic solid tumors receiving immune checkpoint inhibitor therapy: Analysis from Kentucky Cancer Registry. 2021 , 10, 2054-2062	1
751	Ganglioside GT1b increases hyaluronic acid synthase 2 via PI3K activation with TLR2 dependence in orbital fibroblasts from thyroid eye disease patients. 2021 , 54, 136-141	1
750	Follicular Activation and Stem Cell Therapy as a Novel Treatment Strategies in Diminished Ovarian Reserve and Primary Ovarian Insufficiency. 2020 , 11, 617704	4
749	The Role of mTOR Signaling as a Therapeutic Target in Cancer. 2021 , 22,	29
748	GINSENG MODULATES STEROID HORMONES ACTION, PRODUCTION AND METABOLISM; A NARRATIVE REVIEW ON ANDROGENS, ESTROGENS AND CORTICOSTEROIDS. 2021 , 57, 7-16	
747	Tailored Quinolines Demonstrate Flexibility to Exert Antitumor Effects through Varied Mechanisms-A Medicinal Perspective. 2021 , 21, 288-315	2
746	Targeting SHIP1 and SHIP2 in Cancer. 2021 , 13,	3
745	Genetic Profiling of Malignant Melanoma Arising from an Ovarian Mature Cystic Teratoma: A Case Report. 2021 , 22,	
744	The emerging roles of OSBP-related proteins in cancer: Impacts through phosphoinositide metabolism and protein-protein interactions. 2021 , 196, 114455	4
743	Thyroid hormone mediates cardioprotection against postinfarction remodeling and dysfunction through the IGF-1/PI3K/AKT signaling pathway. 2021 , 267, 118977	2
742	E2F1: Cause and Consequence of DNA Replication Stress. 2020 , 7, 599332	5

741	miR-27a promotes osteogenic differentiation in glucocorticoid-treated human bone marrow mesenchymal stem cells by targeting PI3K. 2021 , 52, 279-288	0
740	TRIM Proteins in Colorectal Cancer: TRIM8 as a Promising Therapeutic Target in Chemo Resistance. 2021 , 9,	2
739	Phosphoinositide 3-Kinase (PI3K) Reactive Oxygen Species (ROS)-Activated Prodrug in Combination with Anthracycline Impairs PI3K Signaling, Increases DNA Damage Response and Reduces Breast Cancer Cell Growth. 2021 , 22,	3
738	Growth and Viability of Cutaneous Squamous Cell Carcinoma Cell Lines Display Different Sensitivities to Isoform-Specific Phosphoinositide 3-Kinase Inhibitors. 2021 , 22,	1
737	Pathophysiology and therapeutic relevance of PI3K(p110 β) protein in atrial fibrillation: A non-interventional molecular therapy strategy. 2021 , 165, 105415	0
736	Role of Alpelisib in the Treatment of PIK3CA-Mutated Breast Cancer: Patient Selection and Clinical Perspectives. 2021 , 17, 193-207	6
735	Heterogeneity in Signaling Pathway Activity within Primary and between Primary and Metastatic Breast Cancer. 2021 , 13,	1
734	Comparative Transcriptomic Analysis of (Hemiptera: Alydidae) to Characterize Wing Formation across All Developmental Stages. 2021 , 12,	1
733	Lessons, Challenges and Future Therapeutic Opportunities for PI3K Inhibition in CLL. 2021 , 13,	8
732	Integrated molecular modeling techniques to reveal selective mechanisms of inhibitors to PI3K with marketed Idelalisib. 2021 , 97, 1158-1169	3
731	D-Limonene Is a Potential Monoterpene to Inhibit PI3K/Akt/IKK- β /NF- κ B p53 Signaling Pathway in Coronavirus Disease 2019 Pulmonary Fibrosis. 2021 , 8, 591830	2
730	The Causes and Consequences of miR-503 Dysregulation and Its Impact on Cardiovascular Disease and Cancer. 2021 , 12, 629611	4
729	Unusual variant of invasive ductal carcinoma suggesting metaplastic melanocytic differentiation. 2021 , 23, 200482	
728	Phosphatidic acid-mediated binding and mammalian cell internalization of the <i>Vibrio cholerae</i> cytotoxin MakA. 2021 , 17, e1009414	3
727	Antemortem inhibition of phosphoinositide 3-kinase causes changes in meat quality traits in broiler chickens. 2021 , 75, 106603	
726	Dietary isoleucine improved flesh quality, muscle antioxidant capacity, and muscle growth associated with AKT/TOR/S6K1 and AKT/FOXO3a signaling in hybrid bagrid catfish (<i>Pelteobagrus vachelli</i> ? [<i>Leiocassis longirostris</i> ?]). 2021 , 12, 53	5
725	Small molecule approaches to treat autoimmune and inflammatory diseases (Part I): Kinase inhibitors. 2021 , 38, 127862	6
724	Recent insights in the PI3K/Akt pathway as a promising therapeutic target in combination with EGFR-targeting agents to treat head and neck squamous cell carcinoma. 2022 , 42, 112-155	9

723	Control of Neuronal Excitability by Cell Surface Receptor Density and Phosphoinositide Metabolism. 2021 , 12, 663840	1
722	Cyclin-Dependent Kinase Inhibitor BMI-1026 Induces Apoptosis by Downregulating Mcl-1 (L) and c-FLIP (L) and Inactivating p-Akt in Human Renal Carcinoma Cells. 2021 , 22,	0
721	Recent Updates on the Involvement of PI3K/AKT/mTOR Molecular Cascade in the Pathogenesis of Hyperproliferative Skin Disorders. 2021 , 8, 665647	10
720	The importance of Ras in drug resistance in cancer. 2021 ,	7
719	Understand KRAS and the Quest for Anti-Cancer Drugs. 2021 , 10,	1
718	Indazole as a Privileged Scaffold: The Derivatives and their Therapeutic Applications. 2021 , 21, 839-860	7
717	Ovarian Cancer Biomarkers: Headway Towards Early Diagnosis. 2021 , 15, 109-125	
716	Quercetin prevents primordial follicle loss via suppression of PI3K/Akt/Foxo3a pathway activation in cyclophosphamide-treated mice. 2021 , 19, 63	2
715	DHEA inhibits proliferation, migration and alters mesenchymal-epithelial transition proteins through the PI3K/Akt pathway in MDA-MB-231 cells. 2021 , 208, 105818	0
714	Effects of Ipriflavone-Loaded Mesoporous Nanospheres on the Differentiation of Endothelial Progenitor Cells and Their Modulation by Macrophages. 2021 , 11,	4
713	New derivatives of sulfonylhydrazone as potential antitumor agents: Design, synthesis and cheminformatics evaluation. 2021 , 71, 545-565	1
712	Resistance to Intervention: Paclitaxel in Breast Cancer. 2021 , 21, 1237-1268	5
711	Triple-negative breast cancer: A run-through of features, classification and current therapies. 2021 , 22, 512	10
710	Pharmaceuticals targeting signaling pathways of endometriosis as potential new medical treatment: A review. 2021 , 41, 2489-2564	11
709	Co-expression Network Revealed Roles of RNA m ^A Methylation in Human β Cell of Type 2 Diabetes Mellitus. 2021 , 9, 651142	1
708	Investigation of the invasion mechanism mediated by the outer membrane protein PagN of Salmonella Typhimurium. 2021 , 21, 153	4
707	The Crossroads between RAS and RHO Signaling Pathways in Cellular Transformation, Motility and Contraction. 2021 , 12,	7
706	Hawthorn polyphenols, D-chiro-inositol, and epigallocatechin gallate exert a synergistic hypoglycemic effect. 2021 , 45, e13771	2

705	Influence of Age on Skeletal Muscle Hypertrophy and Atrophy Signaling: Established Paradigms and Unexpected Links. 2021 , 12,	2
704	Oxidative Stress-Induced Unscheduled CDK1-Cyclin B1 Activity Impairs ER-Mitochondria-Mediated Bioenergetic Metabolism. 2021 , 10,	0
703	Intranasal insulin and orexins to treat age-related cognitive decline. 2021 , 234, 113370	7
702	Exosomal microRNAs in hepatocellular carcinoma. 2021 , 21, 254	2
701	Loss of diacylglycerol kinase ϵ causes thrombotic microangiopathy by impairing endothelial VEGFA signaling. 2021 , 6,	4
700	Pharmacological Mechanisms Underlying the Therapeutic Effects of Danhong Injection on Cerebral Ischemia. 2021 , 2021, 5584809	0
699	Pharmacological inhibition of PI3K/AKT disrupts cell energy metabolism and selectively kills p53-null tumor cells. 2021 , 118,	3
698	Protein kinase inhibitors for the treatment of prostate cancer. 2021 , 22, 1889-1899	2
697	Current Understandings of Core Pathways for the Activation of Mammalian Primordial Follicles. 2021 , 10,	2
696	CD44 loss of function sensitizes AML cells to the BCL-2 inhibitor venetoclax by decreasing CXCL12-driven survival cues. 2021 , 138, 1067-1080	5
695	A phase II study of the PI3K inhibitor copanlisib in combination with the anti-CD20 monoclonal antibody rituximab for patients with marginal zone lymphoma: treatment rationale and protocol design of the COUP-1 trial. 2021 , 21, 749	2
694	Combined inhibition of DDR1 and CDK4/6 induces synergistic effects in ER-positive, HER2-negative breast cancer with PIK3CA/AKT1 mutations. 2021 , 40, 4425-4439	1
693	CXCL8 chemokine in ulcerative colitis. 2021 , 138, 111427	11
692	Tissue microarray profiling and integrative proteomics indicate the modulatory potential of <i>Maytenus royleanus</i> in inhibition of overexpressed TPD52 in prostate cancers. 2021 , 11, 11935	
691	Acute Effects on the Human Peripheral Blood Transcriptome of Decompression Sickness Secondary to Scuba Diving. 2021 , 12, 660402	3
690	Attacking the PI3K/Akt/mTOR signaling pathway for targeted therapeutic treatment in human cancer. 2021 ,	15
689	Applications of Constrained Helices. 2021 , 107-158	
688	Cumulus and granulosa cell biomarkers: a good predictor for successful oocyte and embryo developmental competence in human in vitro fertilization. 2021 , 18, 1-7	0

687	The Skin in Cowden Syndrome. 2021 , 8, 658842	0
686	Genetic and biological hallmarks of colorectal cancer. 2021 , 35, 787-820	8
685	Hawthorn berry (<i>crataegus songarica</i>) causes endothelium-dependent relaxation of the porcine coronary artery: Role of Estrogen receptors. 2021 , 11, 249-265	
684	RASSF1A independence and early Galectin-1 upregulation in PIK3CA induced hepatocarcinogenesis: new therapeutic venues.	
683	The Natural Products and Extracts: Anti-Triple-Negative Breast Cancer in Vitro. 2021 , 18, e2001047	5
682	Discovery, Optimization, and Evaluation of Quinazolinone Derivatives with Novel Linkers as Orally Efficacious Phosphoinositide-3-Kinase Delta Inhibitors for Treatment of Inflammatory Diseases. 2021 , 64, 8951-8970	8
681	Therapeutic effect of curcumin in gastrointestinal cancers: A comprehensive review. 2021 , 35, 4834-4897	3
680	Combined Inhibition of Akt and mTOR Is Effective Against Non-Hodgkin Lymphomas. 2021 , 11, 670275	1
679	The role of GSK3 in metabolic pathway perturbations in cancer. 2021 , 1868, 119059	3
678	Identification of SRGAP2 as a potential oncogene and a prognostic biomarker in hepatocellular carcinoma. 2021 , 277, 119592	4
677	Tumor Growth in the High Frequency Medulloblastoma Mouse Model Ptch1/Tis21 Has a Specific Activation Signature of the PI3K/AKT/mTOR Pathway and Is Counteracted by the PI3K Inhibitor MEN1611. 2021 , 11, 692053	0
676	Extract From Leaf Alleviates Lung Infection: Network Pharmacology Analysis and Experimental Evidence. 2021 , 12, 587850	4
675	Alpha-Enolase Protects Hepatocyte Against Heat Stress Through Focal Adhesion Kinase-Mediated Phosphatidylinositol 3-Kinase/Akt Pathway. 2021 , 12, 693780	0
674	Myofiber stretch induces tensile and shear deformation of muscle stem cells in their native niche. 2021 , 120, 2665-2678	5
673	Aloperine protects against cerebral ischemia/reperfusion injury via activating the PI3K/AKT signaling pathway in rats. 2021 , 22, 1045	0
672	Insulin action at a molecular level - 100 years of progress. 2021 , 52, 101304	17
671	Targeting of anti-microbial proteins to the hyphal surface amplifies protection of crop plants against Phytophthora pathogens. 2021 , 14, 1391-1403	2
670	Double-edged roles of protein tyrosine phosphatase SHP2 in cancer and its inhibitors in clinical trials. 2021 , 230, 107966	15

- 669 Pharmacological Basis of Breast Cancer Resistance to Therapies - An Overview. **2021**,
- 668 Novel RAF/MEK inhibitor CH5126766/VS-6766 has efficacy in combination with eribulin for the treatment of triple-negative breast cancer. **2021**, 112, 4166-4175 4
- 667 Current and emerging gluconeogenesis inhibitors for the treatment of Type 2 diabetes. **2021**, 22, 2167-2179 1
- 666 Discovery and Toxicological Profiling of Aminopyridines as Orally Bioavailable Selective Inhibitors of PI3-Kinase β **2021**, 64, 12304-12321 1
- 665 Sclerosing Polycystic Adenoma: Conclusive Clinical and Molecular Evidence of Its Neoplastic Nature. **2021**, 1 2
- 664 Systems analysis identifies endothelin 1 axis blockade for enhancing the anti-tumor effect of multikinase inhibitor. **2021**, 0
- 663 mTORC1 Promotes ARID1A Degradation and Oncogenic Chromatin Remodeling in Hepatocellular Carcinoma. **2021**, 81, 5652-5665 4
- 662 Reactive oxygen species produced by altered tumor metabolism impacts cancer stem cell maintenance. **2021**, 44, 101953 12
- 661 Strategies to Overcome Failures in T-Cell Immunotherapies by Targeting PI3K- β and - γ **2021**, 12, 718621 3
- 660 Bromodomain-containing protein 7 regulates matrix metabolism and apoptosis in human nucleus pulposus cells through the BRD7-PI3K-YAP1 signaling axis. **2021**, 405, 112658 2
- 659 Cancer immunotherapy with PI3K and PD-1 dual-blockade via optimal modulation of T cell activation signal. **2021**, 9, 2
- 658 CRIF1 deficiency suppresses endothelial cell migration via upregulation of RhoGDI2. **2021**, 16, e0256646 1
- 657 Sevoflurane and isoflurane inhibit KCl-induced, Rho kinase-mediated, and PI3K-participated vasoconstriction in aged diabetic rat aortas. **2021**, 21, 212 0
- 656 Protective effects of dietary icariin on lipopolysaccharide-induced acute oxidative stress and hepatopancreas injury in Chinese mitten crab, *Eriocheir sinensis*. **2022**, 251, 109192
- 655 Targeting PI3K Pathway in Pancreatic Ductal Adenocarcinoma: Rationale and Progress. **2021**, 13, 3
- 654 Synthesis and biological evaluation of novel purinyl quinazolinone derivatives as PI3K-specific inhibitors for the treatment of hematologic malignancies. **2021**, 45, 116312 1
- 653 Discovery of GSK251: A Highly Potent, Highly Selective, Orally Bioavailable Inhibitor of PI3K with a Novel Binding Mode. **2021**, 64, 13780-13792 1
- 652 Structural basis for the association of PLEKHA7 with membrane-embedded phosphatidylinositol lipids. **2021**, 29, 1029-1039.e3 6

651	Dynamic Regulation of Cysteine Oxidation and Phosphorylation in Myocardial Ischemia-Reperfusion Injury. 2021 , 10,	2
650	Lipid metabolism in sickness and in health: Emerging regulators of lipotoxicity. 2021 , 81, 3708-3730	12
649	Epoxyeicosatrienoic acids prevent cardiomyocytes against sepsis by AR-induced activation of PI3K and PPAR α . 2021 , 157, 106595	1
648	Roles of Non-coding RNAs and Angiogenesis in Glioblastoma. 2021 , 9, 716462	9
647	The Signaling Pathways Involved in Ovarian Follicle Development. 2021 , 12, 730196	5
646	Notoginsenoside R1 Reverses Abnormal Autophagy in Hippocampal Neurons of Mice With Sleep Deprivation Through Melatonin Receptor 1A. 2021 , 12, 719313	0
645	VPS38/UVRAG and ATG14, the variant regulatory subunits of the ATG6/Beclin1-PI3K complexes, are crucial for the biogenesis of the yolk organelles and are transcriptionally regulated in the oocytes of the vector <i>Rhodnius prolixus</i> . 2021 , 15, e0009760	3
644	A Dual PI3K/HDAC Inhibitor Downregulates Oncogenic Pathways in Hematologic Tumors and. 2021 , 12, 741697	1
643	Low-dose mono(2-ethylhexyl) phthalate promotes ovarian cancer development through PPAR α -dependent PI3K/Akt/NF- κ B pathway. 2021 , 790, 147990	1
642	miR-29a and the PTEN-GSK3 β axis are involved in aluminum-induced damage to primary hippocampal neuronal networks. 2021 , 224, 112701	0
641	Innovative therapies for neuroblastoma: The surprisingly potent role of iron chelation in up-regulating metastasis and tumor suppressors and down-regulating the key oncogene, N-myc. 2021 , 173, 105889	4
640	Characterization of PFOS toxicity on in-vivo and ex-vivo mouse pancreatic islets. 2021 , 289, 117857	2
639	Bioisosteric replacements of the indole moiety for the development of a potent and selective PI3K α inhibitor: Design, synthesis and biological evaluation. 2021 , 223, 113661	2
638	KRAS: The Art of Understanding a Complex Gene. 2022 , 876-888	
637	Post-translational modifications talk and crosstalk to class IIa histone deacetylases. 2021 , 162, 53-61	0
636	Characteristic MALDI-MS lipid profiles of Gir, Holstein and crossbred (Gir x Holstein) oocytes recovered by ovum pick-up. 2021 , 243, 104380	2
635	The role of striated muscle Pik3r1 in glucose and protein metabolism following chronic glucocorticoid exposure. 2021 , 296, 100395	1
634	My personal mutanome: a computational genomic medicine platform for searching network perturbing alleles linking genotype to phenotype. 2021 , 22, 53	7

633	Apelin-13 inhibits apoptosis and excessive autophagy in cerebral ischemia/reperfusion injury. 2021 , 16, 1044-1051	10
632	Mechanisms of Insulin Signal Transduction.	3
631	Phosphoinositides □ The Seven Species: Conversion and Cellular Roles.	1
630	Molecular signaling in thyroid cancer. 2004 , 122, 237-64	12
629	Testicular teratomas: back to pluripotent stem cells. 2005 , 40, 133-50	3
628	Molecular Neurobiology of Retinal Degeneration. 2007 , 47-92	1
627	Intracellular kinases in semaphorin signaling. 2007 , 600, 24-37	18
626	Clinical development of epidermal growth factor receptor (EGFR) tyrosine kinase inhibitors: what lessons have we learned?. 2008 , 610, 128-43	4
625	EGF receptor in breast cancer chemoresistance. 2007 , 608, 113-8	3
624	Mitochondria as Targets for Cancer Therapy. 2009 , 211-249	1
623	Metabolic Labeling of Inositol Phosphates and Phosphatidylinositols in Yeast and Mammalian Cells. 2020 , 2091, 83-92	2
622	Signal Transduction Pathways as Therapeutic Targets in Cancer Therapy. 2010 , 37-83	2
621	Non-Alcoholic Fatty Liver Disease and the Metabolic Syndrome. 2011 , 219-227	1
620	Crosstalk Between Mitogen-Activated Protein Kinase and Phosphoinositide-3 Kinase Signaling Pathways in Development and Disease. 2010 , 505-529	1
619	Biliary Epithelial Cells. 2011 , 27-51	3
618	Involvement of Growth Factor Receptor and Nonreceptor Protein Tyrosine Kinases in Endothelin-1 and Angiotensin II-Induced Signaling Pathways in the Cardiovascular System. 2011 , 315-333	1
617	The PI3K-AKT Pathway in Melanoma. 2016 , 165-180	3
616	Cardiac and Vascular Renin-Angiotensin Systems. 2007 , 23-42	3

615	Analysis of phosphatidylinositol 3,4,5 trisphosphate 5-phosphatase activity by in vitro and in vivo assays. 2009 , 462, 223-39	6
614	Regulation of Stem Cell Systems by PI3K/Akt Signaling. 2009 , 309-318	5
613	Using siRNA to uncover novel oncogenic signaling pathways. 2010 , 623, 231-42	5
612	Genetically encoded fluorescent biosensors for live cell imaging of lipid dynamics. 2014 , 1071, 73-81	4
611	The Bone Marrow Niche - The Tumor Microenvironment That Ensures Leukemia Progression. 2020 , 1219, 259-293	2
610	Insulin Action, Insulin Resistance, and Their Link to Histone Acetylation. 2017 , 1-22	2
609	Antibodies that Inhibit Specific Cellular Pathways in Gastric Cancer. 2017 , 101-113	1
608	Stratifying Cancer Therapies by Molecular Interactions and Imaging. 2017 , 315-358	1
607	The Role of Carbon Monoxide as a Gasotransmitter in Cardiovascular and Metabolic Regulation. 2012 , 37-70	9
606	Phosphoinositides and cardiovascular diseases. 2012 , 362, 43-60	4
605	Targeting the mTOR Signaling Circuitry in Head and Neck Cancer. 2017 , 163-181	1
604	Effect of Nanoparticles on Maintenance of Metabolic Homeostasis. 2020 , 79-87	1
603	Respiratory Syncytial Virus-Induced Oxidative Stress in Lung Pathogenesis. 2020 , 297-330	5
602	New Emerging Molecules in Cancer Research Which Hold Promise in Current Era. 2019 , 539-583	1
601	Neuroprotective Effects of Selective Inhibition of Histone Deacetylase 3 in Experimental Stroke. 2020 , 11, 1052-1063	11
600	Phosphatidylinositol Bisphosphate and Trisphosphate. 2004 , 266-271	1
599	Cardiovascular Pharmacology. 2010 , 595-632	6
598	Cytokines and cytokine receptors. 2013 , 108-135	5

597	Apoptosis in the Gastrointestinal Tract. 2006 , 345-373	5
596	The Mechanisms of Insulin Action. 2010 , 636-659	3
595	Centrosomal protein 55: A new paradigm in tumorigenesis. 2020 , 99, 151086	3
594	Ferulic acid-loaded nanostructured lipid carriers: A promising nanoformulation against the ischemic neural injuries. 2018 , 193, 64-76	38
593	Truncation of Pik3r1 causes severe insulin resistance uncoupled from obesity and dyslipidaemia by increased energy expenditure. 2020 , 40, 101020	3
592	Polyphenolic Proanthocyanidin-B2 suppresses proliferation of liver cancer cells and hepatocellular carcinogenesis through directly binding and inhibiting AKT activity. 2020 , 37, 101701	15
591	Class IA PI3K regulatory subunits: p110-independent roles and structures. 2020 , 48, 1397-1417	6
590	Innovations in targeted therapies for triple negative breast cancer. 2021 , 33, 34-47	3
589	Role of phosphatase and tensin homolog in the development of the mammalian auditory system. 2010 , 21, 731-5	9
588	p53 controls hepatitis C virus non-structural protein 5A-mediated downregulation of GADD45 β expression via the NF- κ B and PI3K-Akt pathways. 2013 , 94, 326-335	18
587	Environment-driven reprogramming of gamete DNA methylation occurs during maturation and is transmitted intergenerationally in salmon.	1
586	The AP-1 complex regulates AXL expression and determines sensitivity to PI3K β inhibition in esophagus and head and neck squamous cell carcinoma.	1
585	Mutations In PIK3C2A Cause Syndromic Short Stature, Skeletal Abnormalities, and Cataracts Associated With Ciliary Dysfunction.	1
584	The PI3K β /AKT signaling pathway mediates peripheral antinociceptive action of dipyron. 2021 , 35, 364-370	2
583	Altered SDF-1-mediated differentiation of bone marrow-derived endothelial progenitor cells in diabetes mellitus. 13, 3405-3414	38
582	Neuroprotection of selenite against ischemic brain injury through negatively regulating early activation of ASK1/JNK cascade via activation of PI3K/AKT pathway.	1
581	Repression of AXL expression by AP-1/JNK blockage overcomes resistance to PI3K α therapy. 2019 , 5,	22
580	Splicing factor SRSF1 promotes gliomagenesis via oncogenic splice-switching of MYO1B. 2019 , 129, 676-693	59

579	PTEN-opathies: from biological insights to evidence-based precision medicine. 2019 , 129, 452-464	78
578	CEACAM1 modulates epidermal growth factor receptor-mediated cell proliferation. 2004 , 114, 944-952	42
577	Defects in secretion, aggregation, and thrombus formation in platelets from mice lacking Akt2. 2004 , 113, 441-50	88
576	CEACAM1 modulates epidermal growth factor receptor--mediated cell proliferation. 2004 , 114, 944-52	32
575	PI3K rescues the detrimental effects of chronic Akt activation in the heart during ischemia/reperfusion injury. 2005 , 115, 2128-38	184
574	PI3K integrates the action of insulin and leptin on hypothalamic neurons. 2005 , 115, 951-8	225
573	Pten controls lung morphogenesis, bronchioalveolar stem cells, and onset of lung adenocarcinomas in mice. 2007 , 117, 2929-40	127
572	Tumor-specific apoptosis caused by deletion of the ERBB3 pseudo-kinase in mouse intestinal epithelium. 2009 , 119, 2702-13	71
571	AKT activation promotes PTEN hamartoma tumor syndrome-associated cataract development. 2013 , 123, 5401-9	25
570	Lipotoxic disruption of NHE1 interaction with PI(4,5)P2 expedites proximal tubule apoptosis. 2014 , 124, 1057-68	34
569	Cancer. 151-159	1
568	Fishing for Pharmaceutically Relevant Phosphoinositide-Binding Proteins Using Chemical Proteomics. 2005 , 211-242	2
567	Phosphoinositide Profiling in Complex Lipid Mixtures. 2005 , 243-262	1
566	B Cell Receptor Signaling. 2014 , 108-133	1
565	17 β Estradiol Inhibites Tumor Necrosis Factor-Induced Apoptosis of Human Nucleus Pulposus Cells via the PI3K/Akt Pathway. 2016 , 22, 4312-4322	20
564	Doxycycline Attenuates Atrial Remodeling by Interfering with MicroRNA-21 and Downstream Phosphatase and Tensin Homolog (PTEN)/Phosphoinositide 3-Kinase (PI3K) Signaling Pathway. 2018 , 24, 5580-5587	12
563	Study on PIK3CA Gene Mutations in Oral Squamous Cell Carcinoma among South Indian populations. 2018 , 11, 1023-1030	3
562	Feedbacks, Bifurcations, and Cell Fate Decision-Making in the p53 System. 2016 , 12, e1004787	33

561	RAB-10 Promotes EHBP-1 Bridging of Filamentous Actin and Tubular Recycling Endosomes. 2016 , 12, e1006093	35
560	Drosophila Spidey/Kar Regulates Oenocyte Growth via PI3-Kinase Signaling. 2016 , 12, e1006154	17
559	Investigating differential dynamics of the MAPK signaling cascade using a multi-parametric global sensitivity analysis. 2009 , 4, e4560	29
558	VEGFA upregulates FLJ10540 and modulates migration and invasion of lung cancer via PI3K/AKT pathway. 2009 , 4, e5052	98
557	LRP1 regulates architecture of the vascular wall by controlling PDGFRbeta-dependent phosphatidylinositol 3-kinase activation. 2009 , 4, e6922	52
556	Critical role of PI3K/Akt/GSK3 β in motoneuron specification from human neural stem cells in response to FGF2 and EGF. 2011 , 6, e23414	52
555	Activation of the Wnt/ β -catenin signaling pathway by mechanical ventilation is associated with ventilator-induced pulmonary fibrosis in healthy lungs. 2011 , 6, e23914	56
554	Inhibition of PI3K prevents the proliferation and differentiation of human lung fibroblasts into myofibroblasts: the role of class I P110 isoforms. 2011 , 6, e24663	89
553	Efficacy of a non-hypercalcemic vitamin-D2 derived anti-cancer agent (MT19c) and inhibition of fatty acid synthesis in an ovarian cancer xenograft model. 2012 , 7, e34443	13
552	FKBP5 as a selection biomarker for gemcitabine and Akt inhibitors in treatment of pancreatic cancer. 2012 , 7, e36252	34
551	Human cataract mutations in EPHA2 SAM domain alter receptor stability and function. 2012 , 7, e36564	31
550	Rapamycin inhibits proliferation of hemangioma endothelial cells by reducing HIF-1-dependent expression of VEGF. 2012 , 7, e42913	60
549	Identification of novel piperazinylquinoxaline derivatives as potent phosphoinositide 3-kinase (PI3K) inhibitors. 2012 , 7, e43171	2
548	Resveratrol inhibits LPS-induced MAPKs activation via activation of the phosphatidylinositol 3-kinase pathway in murine RAW 264.7 macrophage cells. 2012 , 7, e44107	115
547	Pseudomonas aeruginosa pyocyanin activates NRF2-ARE-mediated transcriptional response via the ROS-EGFR-PI3K-AKT/MEK-ERK MAP kinase signaling in pulmonary epithelial cells. 2013 , 8, e72528	40
546	Critical roles of p53 in epithelial-mesenchymal transition and metastasis of hepatocellular carcinoma cells. 2013 , 8, e72846	29
545	Ephrin-A1 is up-regulated by hypoxia in cancer cells and promotes angiogenesis of HUVECs through a coordinated cross-talk with eNOS. 2013 , 8, e74464	22
544	Signaling via class IA Phosphoinositide 3-kinases (PI3K) in human, breast-derived cell lines. 2013 , 8, e75045	9

543	Enhancing the function of CD34(+) cells by targeting plasminogen activator inhibitor-1. 2013 , 8, e79067	10
542	Identification of mutations in distinct regions of p85 alpha in urothelial cancer. 2013 , 8, e84411	11
541	Relevance and therapeutic possibility of PTEN-long in renal cell carcinoma. 2015 , 10, e114250	19
540	Wilms' tumor gene 1 (WT1) silencing inhibits proliferation of malignant peripheral nerve sheath tumor sNF96.2 cell line. 2014 , 9, e114333	18
539	Comprehensive Genome-Wide Transcriptomic Analysis of Immature Articular Cartilage following Ischemic Osteonecrosis of the Femoral Head in Piglets. 2016 , 11, e0153174	11
538	BKM120 induces apoptosis and inhibits tumor growth in medulloblastoma. 2017 , 12, e0179948	9
537	Kinetics of PTEN-mediated PI(3,4,5)P3 hydrolysis on solid supported membranes. 2018 , 13, e0192667	7
536	Integrated extracellular matrix signaling in mammary gland development and breast cancer progression. 2014 , 29, 1083-92	34
535	PI3K Pathway in Gynecologic Malignancies. 2013 , e218-e221	5
534	Leptin Induces a Novel Form of NMDA Receptor-Dependent LTP at Hippocampal Temporoammonic-CA1 Synapses. 2015 , 2,	24
533	Lupane-type triterpenes and their anti-cancer activities against most common malignant tumors: A review. 2016 , 15, 758-771	25
532	Association between single nucleotide polymorphisms in the PI3K/AKT/mTOR pathway and bladder cancer risk in a sample of Iranian population. 2018 , 17, 3-13	10
531	The role of mechanical stretch and TGF- β in epithelial-mesenchymal transition of retinal pigment epithelial cells. 2019 , 12, 1832-1838	11
530	Membrane lipids in invadopodia and podosomes: key structures for cancer invasion and metastasis. 2010 , 1, 320-8	38
529	Targeting the PI3K/Akt/mTOR pathway--beyond rapalogs. 2010 , 1, 530-43	169
528	Deciphering the link between PI3K and PAK: An opportunity to target key pathways in pancreatic cancer?. 2017 , 8, 14173-14191	21
527	MicroRNA-214 protects against hypoxia/reoxygenation induced cell damage and myocardial ischemia/reperfusion injury via suppression of PTEN and Bim1 expression. 2016 , 7, 86926-86936	50
526	Dysregulations in the PI3K pathway and targeted therapies for head and neck squamous cell carcinoma. 2017 , 8, 22203-22217	63

525	PI3K isoform inhibition associated with anti Bcr-Abl drugs shows in vitro increased anti-leukemic activity in Philadelphia chromosome-positive B-acute lymphoblastic leukemia cell lines. 2017 , 8, 23213-23227	10
524	Membrane lipids in invadopodia and podosomes: Key structures for cancer invasion and metastasis. 2010 , 1, 320-328	59
523	Activation of Akt characterizes estrogen receptor positive human breast cancers which respond to anthracyclines. 2017 , 8, 41227-41241	8
522	Targeting the PI3K/Akt/mTOR Pathway - Beyond Rapalogs. 2010 , 1, 530-543	255
521	Domain analysis reveals striking functional differences between the regulatory subunits of phosphatidylinositol 3-kinase (PI3K), p85 and p85. 2017 , 8, 55863-55876	10
520	A beta version of life: p110 takes center stage. 2010 , 1, 729-733	30
519	Pharmacologic characterization of SHR8443, a novel dual inhibitor of phosphatidylinositol 3-kinase and mammalian target of rapamycin. 2017 , 8, 107977-107990	6
518	Association between PIK3CA alteration and prognosis of gastric cancer patients: a meta-analysis. 2018 , 9, 7651-7659	6
517	HS-133, a novel fluorescent phosphatidylinositol 3-kinase inhibitor as a potential imaging and anticancer agent for targeted therapy. 2014 , 5, 10180-97	5
516	RasGRP3 regulates the migration of glioma cells via interaction with Arp3. 2015 , 6, 1850-64	13
515	Insight into the PTEN - p85 interaction and lipid binding properties of the p85 BH domain. 2018 , 9, 36975-36992	2
514	Targeting mTOR for the treatment of AML. New agents and new directions. 2011 , 2, 510-7	80
513	PI3K pan-inhibition impairs more efficiently proliferation and survival of T-cell acute lymphoblastic leukemia cell lines when compared to isoform-selective PI3K inhibitors. 2015 , 6, 10399-414	29
512	Dual targeting of acute myeloid leukemia progenitors by catalytic mTOR inhibition and blockade of the p110 subunit of PI3 kinase. 2015 , 6, 8062-70	12
511	PI3K inhibition synergizes with glucocorticoids but antagonizes with methotrexate in T-cell acute lymphoblastic leukemia. 2015 , 6, 13105-18	21
510	RAB7 counteracts PI3K-driven macropinocytosis activated at early stages of melanoma development. 2015 , 6, 11848-62	15
509	Novel targeted therapies for mantle cell lymphoma. 2012 , 3, 203-11	31
508	The PI3K/AKT/mTOR pathway is a potential predictor of distinct invasive and migratory capacities in human ovarian cancer cell lines. 2015 , 6, 25520-32	68

507	Two hits are better than one: targeting both phosphatidylinositol 3-kinase and mammalian target of rapamycin as a therapeutic strategy for acute leukemia treatment. 2012 , 3, 371-94	98
506	Sur8/Shoc2 promotes cell motility and metastasis through activation of Ras-PI3K signaling. 2015 , 6, 33091-105	22
505	Reversal of the glycolytic phenotype of primary effusion lymphoma cells by combined targeting of cellular metabolism and PI3K/Akt/ mTOR signaling. 2016 , 7, 5521-37	27
504	A positive feedback loop involving EGFR/Akt/mTORC1 and IKK/NF- κ B regulates head and neck squamous cell carcinoma proliferation. 2016 , 7, 31892-906	41
503	p85 β promotes nucleolin transcription and subsequently enhances EGFR mRNA stability and EGF-induced malignant cellular transformation. 2016 , 7, 16636-49	20
502	Prognostic implications of PIK3CA amplification in curatively resected liposarcoma. 2016 , 7, 24549-58	7
501	PIK3CA amplification is associated with poor prognosis among patients with curatively resected esophageal squamous cell carcinoma. 2016 , 7, 30691-701	15
500	Computational analyses for cancer biology based on exhaustive experimental backgrounds.. 2019 , 2, 419-427	1
499	A review of mechanisms of resistance to immune checkpoint inhibitors and potential strategies for therapy.. 2020 , 3, 252-275	6
498	Catalpol induces cell activity to promote axonal regeneration via the PI3K/AKT/mTOR pathway and stroke model. 2019 , 7, 756	10
497	Engineered Nanoparticles Against MDR in Cancer: The State of the Art and its Prospective. 2016 , 22, 4360-4373	39
496	Role of Regulatory Oncogenic or Tumor Suppressor miRNAs of PI3K/AKT Signaling Axis in the Pathogenesis of Colorectal Cancer. 2018 , 24, 4605-4610	14
495	PI3K/ Akt/ mTOR Pathway as a Therapeutic Target for Colorectal Cancer: A Review of Preclinical and Clinical Evidence. 2019 , 20, 1217-1226	74
494	Anti-Tumorigenic Effects of Resveratrol in Lung Cancer Cells Through Modulation of c-FLIP. 2017 , 17, 669-680	18
493	Isoform-Selective PI3K Inhibitors for Various Diseases. 2020 , 20, 1074-1092	9
492	Targeting Different Pathways Using Novel Combination Therapy in Triple Negative Breast Cancer. 2020 , 20, 586-602	39
491	Roles of Fluorine in Drug Design and Drug Action. 2019 , 16, 1089-1109	10
490	Ligand-Based Drug Design: Synthesis and Biological Evaluation of Substituted Benzoin Derivatives as Potential Antitumor Agents. 2019 , 15, 417-429	6

489	Recent Progress and Development of Small Molecule Kinase Inhibitors for the Treatment of Breast Cancer. 2020 , 16, 4-19	2
488	Phytochemicals as PI3K/ Akt/ mTOR Inhibitors and Their Role in Breast Cancer Treatment. 2020 , 15, 188-199	8
487	Copanlisib: Novel PI3K Inhibitor for the Treatment of Lymphoma. 2020 , 20, 1158-1172	3
486	The Therapeutic Potential for PI3K Inhibitors in Autoimmune Rheumatic Diseases. 2012 , 6, 245-58	73
485	Dysregulation of Glucose Metabolism by Oncogenes and Tumor Suppressors in Cancer Cells. 2018 , 19, 2377-2390	36
484	Regulation of volume-regulated outwardly rectifying anion channels by phosphatidylinositol 3,4,5-trisphosphate in mouse ventricular cells. 2008 , 29, 307-15	15
483	Insulin resistance, metabolic stress, and atherosclerosis. 2012 , 4, 916-31	31
482	Association Between the PIK3CA Ile391Met Polymorphism and the Risk of Breast Cancer in an Iranian Population. 2018 , 5, 8-12	2
481	Analgesic Actions of Insulin. 2006 , 2, 23-28	4
480	Low-power Density Radiations Emitted from Common Wi-Fi Routers Influence Sperm Concentration and Sperm Histomorphometric Parameters: A New Horizon on Male Infertility Treatment. 2020 , 10, 167-176	3
479	Leptomeningeal dissemination: a sinister pattern of medulloblastoma growth. 2019 , 1-9	15
478	The neurotrophic and neuroprotective effects of psychotropic agents. 2009 , 11, 333-48	83
477	IL-12 and IL-23 Production in Toxoplasma gondii- or LPS-Treated Jurkat T Cells via PI3K and MAPK Signaling Pathways. 2017 , 55, 613-622	2
476	Pyridinecarboxylic Acid Derivative Stimulates Pro-Angiogenic Mediators by PI3K/AKT/mTOR and Inhibits Reactive Nitrogen and Oxygen Species and NF- κ B Activation Through a PPAR δ Dependent Pathway in -Infected Macrophages. 2019 , 10, 2955	10
475	-Phenyl-6-Chloro-4-Hydroxy-2-Quinolone-3-CarboxAmides: Molecular Docking, Synthesis, and Biological Investigation as Anticancer Agents. 2020 , 26,	3
474	Signal transduction mechanism of TRB3 in rats with non-alcoholic fatty liver disease. 2009 , 15, 2329-35	12
473	Effects of PI3K and p42/p44 MAPK on overexpression of vascular endothelial growth factor in hepatocellular carcinoma. 2004 , 10, 809-12	11
472	Effects of small interfering RNA inhibit Class I phosphoinositide 3-kinase on human gastric cancer cells. 2013 , 19, 1760-9	3

471	Phosphatidylinositol 3-kinase CB association with preoperative radiotherapy response in rectal adenocarcinoma. 2014 , 20, 16258-67	5
470	Equol inhibits proliferation of human gastric carcinoma cells via modulating Akt pathway. 2015 , 21, 10385-99	10
469	Molecular targets for the treatment of pancreatic cancer: Clinical and experimental studies. 2016 , 22, 776-89	37
468	Baicalin alleviates bleomycin-induced pulmonary fibrosis and fibroblast proliferation in rats via the PI3K/AKT signaling pathway. 2020 , 21, 2321-2334	10
467	promotes cancer proliferation and metastasis in high-grade serous ovarian cancer. 2020 , 20, 1179-1192	8
466	Phosphatidylinositol 3-kinase-AKT-mammalian target of rapamycin (PI3K-Akt-mTOR) signaling pathway in non-small cell lung cancer. 2015 , 4, 165-76	92
465	Androgen receptor-mediated non-genomic regulation of prostate cancer cell proliferation. 2013 , 2, 187-96	56
464	PI3K-mediated glioprotective effect of epidermal growth factor under oxidative stress conditions. 2014 , 7, 413-20	5
463	Ceramide Induces Apoptosis and Growth Arrest of Human Glioblastoma Cells by Inhibiting Akt Signaling Pathways. 2011 , 19, 21-26	3
462	Peroxisome proliferator-activated receptor gamma signaling in human sperm physiology. 2015 , 17, 942-7	24
461	A protease-activated receptor 1 antagonist protects against global cerebral ischemia/reperfusion injury after asphyxial cardiac arrest in rabbits. 2017 , 12, 242-249	9
460	The determinants of head and neck cancer: Unmasking the PI3K pathway mutations. 2013 , Suppl 5,	16
459	Inhibitors of protein kinases affecting cAMP-dependent proteolysis of GATA-6. 2012 , 02, 411-415	1
458	PI3K/SHIP2/PTEN pathway in cell polarity and hepatitis C virus pathogenesis. 2017 , 9, 18-29	8
457	Insulin resistance: Is it time for primary prevention?. 2012 , 4, 1-7	19
456	Multiple implications of 3-phosphoinositide-dependent protein kinase 1 in human cancer. 2010 , 1, 239-47	18
455	Targeting the Phosphatidylinositol-3-kinase Pathway in Gastric Cancer: Can Omics Improve Outcomes?. 2016 , 20, S131-140	15
454	Inhibitory Effects of Isoquinoline Alkaloid Berberine on Ischemia-Induced Apoptosis via Activation of Phosphoinositide 3-Kinase/Protein Kinase B Signaling Pathway. 2014 , 18, 115-25	47

453	Mechanisms and therapeutic advances in the management of endocrine-resistant breast cancer. 2014 , 5, 248-62	40
452	miR-374 promotes myocardial hypertrophy by negatively regulating vascular endothelial growth factor receptor-1 signaling. 2017 , 50, 208-213	14
451	Bee venom inhibits the proliferation and migration of cervical-cancer cells in an HPV E6/E7-dependent manner. 2020 , 53, 419-424	4
450	Validated HPLC method for quantification of copanlisib in mice plasma: application to a pharmacokinetic study.. 2020 , 8, 113-121	3
449	The favorable impact of PIK3CA mutations on survival: an analysis of 2587 patients with breast cancer. 2012 , 31, 327-34	31
448	Telomeres and atherosclerosis. 2012 , 23, 563-71	29
447	Mechanistic analysis of taxol-induced multidrug resistance in an ovarian cancer cell line. 2013 , 14, 4983-8	30
446	Detection of PIK3CA gene mutations with HRM analysis and association with IGFBP-5 expression levels in breast cancer. 2014 , 15, 9327-33	8
445	PI3K/Akt/mTOR inhibitors in breast cancer. 2015 , 12, 342-54	140
444	EGF-dependent re-routing of vesicular recycling switches spontaneous phosphorylation suppression to EGFR signaling. 2015 , 4,	39
443	Suppressor of cytokine signaling (SOCS)5 ameliorates influenza infection via inhibition of EGFR signaling. 2017 , 6,	45
442	A chemical screen in zebrafish embryonic cells establishes that Akt activation is required for neural crest development. 2017 , 6,	17
441	Vaccination Strategies Against Mycobacterium tuberculosis: BCG and Beyond. 2021 , 1313, 217-240	0
440	Ursolic acid ameliorates adipose tissue insulin resistance in aged rats via activating the Akt-glucose transporter 4 signaling pathway and inhibiting inflammation. 2021 , 22, 1466	
439	The periosteum: a simple tissue with many faces, with special reference to the antler-lineage periosteum. 2021 , 16, 17	2
438	The biomechanical context influences the output signaling, independently of PIK3CA mutations in breast cancer cells.	
437	Bombyxin II Regulates Glucose Absorption and Glycogen Synthesis through the PI3K Signaling Pathway in HepG2 Cells. 2021 , 2021, 6639232	
436	Phosphoinositide-3-Kinase/Akt-Endothelial Nitric Oxide Synthase Signaling Pathway Mediates the Neuroprotective Effect of Sevoflurane Postconditioning in a Rat Model of Hemorrhagic Shock and Resuscitation. 2021 , 157, e223-e223	1

435	The Multiple Roles of Fibroblast Growth Factor in Diabetic Nephropathy. 2021 , 14, 5273-5290	3
434	Dwarf mice as models for reproductive ageing research. 2021 ,	0
433	Design, Synthesis, and Structure-Activity Relationship Optimization of Pyrazolopyrimidine Amide Inhibitors of Phosphoinositide 3-Kinase (PI3K) 2021 ,	2
432	Environment-driven reprogramming of gamete DNA methylation occurs during maturation and is transmitted intergenerationally in Atlantic Salmon. 2021 , 11,	2
431	PI3K Sustains Keratinocyte Hyperproliferation and Epithelial Inflammation: Implications for a Topically Druggable Target in Psoriasis. 2021 , 10,	1
430	Mechanistic insights into the role of serum-glucocorticoid kinase 1 in diabetic nephropathy: A systematic review. 2021 , 193, 562-573	1
429	Dehydrocostuslactone attenuated oxygen and glucose deprivation/reperfusion-induced PC12 cell injury through inhibition of apoptosis and autophagy by activating the PI3K/AKT/mTOR pathway. 2021 , 911, 174554	2
428	Signal Transduction via the B-Cell Antigen Receptor: A Crucial Regulator of B-Cell Biology. 2003 , 555-564	
427	Role of PDK1 in Activating AGC Protein Kinase. 2003 , 513-522	
426	Role of PDK1 in Activating AGC Protein Kinase. 2003 , 193-202	
425	Growth Factor Signaling Pathways in Cancer. 2004 , 267-315	
424	Cytokine receptors and signal transduction. 2004 , 23-32	
423	Growth Factors in the Gastrointestinal Tract. 2006 , 183-246	2
422	Comparison of the Effects of Ras Effector Mutants and Ras Effectors on Transformed and Tumorigenic Growth of Human and Rodent Cells. 2006 , 257-272	
421	Gene Therapy for Heart Failure. 2006 , 573-588	
420	Phospholipid Kinases. 2007 , 1-7	
419	Regulation of the p53 Response by Cellular Growth and Survival Factors. 2007 , 115-140	
418	Epidermal Growth Factor Receptor Inhibition in NonSmall Cell Lung Cancer. 2007 , 81-96	

- 417 Effect of Epigallocatechin Gallate on Inhibition of Cell Proliferation in MDA-MB-231 Human Breast Cancer Cells. **2007**, 36, 983-988
- 416 HER2 Inhibition and Clinical Achievements. **2007**, 57-66
- 415 Inhibiting the Phosphoinositide 3-Kinase/Akt/Mammalian Target of Rapamycin Pathway. **2007**, 77-96
- 414 The Role of the Bone Marrow Microenvironment in the Pathogenesis of Multiple Myeloma. **2007**, 23-44
- 413 Molecular Genetics of Lung and Pleural Neoplasms. **2008**, 47-157 1
- 412 Epidermal Growth Factor Receptor Mutations and Sensitivity to Selective Kinase Inhibitors in Human Lung Cancer. **2008**, 103-126
- 411 Receptors, Signaling Pathways, Cell Cycle, and DNA Damage Repair. **2008**, 11-21
- 410 Intracellular Signaling. **2008**, 21-31
- 409 Natural Agents That Can Sensitize Tumor Cells to Chemotherapy and Radiation Therapy. **2008**, 211-240 3
- 408 The SH2 Domain: A Prototype for Protein Interaction Modules.
- 407 Regulation of Signaling Pathways by Selenium in Cancer. **2008**,
- 406 Assaying endogenous phosphatidylinositol-4-phosphate 5-kinase (PIP5K) activities. **2009**, 462, 391-402
- 405 Pten-Deficient Mouse Models for High-Grade Astrocytomas. **2009**, 77-92 1
- 404 Combinatorial Therapeutic Strategies for Blocking Kinase Pathways in Brain Tumors. **2009**, 953-975
- 403 Tumor Growth and Cell Proliferation. **2009**, 19-37
- 402 New Molecular Therapeutic Interventions: The Case of Breast Cancers. **2010**, 571-611
- 401 EGFR Signaling Pathways in Pancreatic Cancer Pathogenesis. **2010**, 387-402
- 400 Genetische Aberration, Genexpressionprofile und Epigenetik. **2010**, 67-75

399 CD44 and Primary Open Angle Glaucoma. **2010**, 939-951

398 Carcinogenetic Pathway of Superficial Low-Grade Urothelial Carcinoma. **2010**, 279-284

1

397 The PI3K/Akt-NF-kappa B Signaling Pathway and Hypoxia-induced Mitogenic Factor in Vascular Adhesion Molecule 1 Gene Expression. **2010**, 87-102

396 Head and Neck Cancer and the PI3K/Akt/mTOR Signaling Network: Novel Molecular Targeted Therapies. **2011**, 407-429

1

395 Targeted Therapeutics in Cancer Treatment. **2011**, 403-461

394 Signaling Pathways in the Liver. **2011**, 291-306

393 No Association between PIK3CA Polymorphism and Lung Cancer Risk in the Korean Population. **2010**, 8, 194-200

1

392 Signal Transduction and Neurotoxicity: What Can We Learn from Experimental Culture Systems?. **2011**, 241-254

391 Knee Loading Stimulates Bone Formation in Tail-Suspended Mouse Hindlimb. **2011**, 25, 77-82

390 PI3K Signaling. **2011**, 2887-2892

389 Tissue-Based Protein Biomarkers in Melanoma: Immunohistochemistry: (A) Diagnosis. **2012**, 159-176

388 Nutritional Genomics. **2011**, 77-138

1

387 Regulation of Quiescence and Activation of Oocyte Growth in Primordial Follicles. **2013**, 49-62

386 [Effects of PI3K/AKT inhibitor wortmannin on proliferation and apoptosis of primary porcine preadipocytes]. **2012**, 34, 1282-90

0

385 Cancer Stem Cells: The Gist of the Matter. **2013**, 199-224

384 Prerequisite Genetic Traits for Metastasis. **2013**, 403-444

383 Phospholipids | Phosphatidylinositol Bisphosphate and Trisphosphate. **2013**, 552-556

382 Phosphatidylinositol Bisphosphate and Trisphosphate. **2013**, 451-455

- 381 Role of Toll-Like Receptors in Myocardial Ischemia/Reperfusion Injury. **2013**, 123-142
- 380 Ovarian Metabolism of Xenobiotics. **2013**, 13-36
- 379 Novel agents in development and future directions. **2013**, 214-235
- 378 Molecular Pathology and Diagnostics of Gynecologic Malignancies. **2014**, 365-395
- 377 Immunohistochemistry as Biomarker Platform in Endometrial Cancer. **2014**, 1-19
- 376 Anti-inflammatory Effect of an Ethanolic Extract of *Myagropsis yendoi* in Lipopolysaccharide-Stimulated BV-2 Microglia Cells. **2014**, 17, 27-35 3
- 375 Novel Targets for Future Medical Treatments. **2015**, 145-162
- 374 The ROS1 Receptor Family. **2015**, 641-684
- 373 Immunohistochemistry as Biomarker Platform in Endometrial Cancer. **2015**, 527-549
- 372 Targeting the PI3 K-mTOR Signaling Circuitry in HPV-Associated Oral Malignancies: Novel Precision Molecular Therapies. **2015**, 153-169
- 371 Encyclopedia of Cancer. **2015**, 1-6
- 370 Cell Signaling and Resistance to Immunotoxins. **2015**, 75-87
- 369 Phosphoinositides as Determinants of Membrane Identity, Apicobasal Polarity, and Lumen Formation. **2015**, 221-244
- 368 Response of Subcutaneous Xenografts of Endometrial Cancer in Nude Mice to Inhibitors of Phosphatidylinositol 3-Kinase/Akt and Mitogen-Activated Protein Kinase (MAPK) Pathways: An Effective Therapeutic Strategy for Endometrial Cancer. **2015**, 06, 1083-1092
- 367 Critical Roles of the AKT Substrate Girdin in Disease Initiation and Progression. **2015**, 233-250
- 366 Aberrant Signaling Pathways: Hallmark of Cancer Cells and Target for Nanotherapeutics. 1-35
- 365 Combination Therapies Targeting the PI3K/AKT/mTOR Pathways. **2016**, 151-180
- 364 Molecular Pathways and Animal Models of Cardiomyopathies. **2016**, 687-711

- 363 Qualitative and Quantitative In Vitro Analysis of Phosphatidylinositol Phosphatase Substrate Specificity. **2016**, 1376, 55-75
- 362 Pathology and Molecular Pathology of Colorectal Cancer. **2017**, 409-446 ○
- 361 Simple Sequence Mutations. **2017**, 217-230
- 360 Biological Principles and Clinical Application of EGFR Inhibitors in Cancer. **2017**, 709-726
- 359 EGFR (ErbB) Signaling Pathways in Pancreatic Cancer Pathogenesis. **2017**, 1-26 ○
- 358 Receptor Tyrosine Kinases and the Insulin Signaling System. **2017**, 1-34
- 357 Protective effects of IL28RA siRNA on cardiomyocytes in hypoxia/reoxygenation injury. **2017**, 18, 168-174 1
- 356 Encyclopedia of Cancer. **2017**, 3576-3581
- 355 Activation of phosphoinositide 3-kinase/Akt/mechanistic target of rapamycin pathway and response to everolimus in endocrine receptor-positive metastatic breast cancer - A retrospective pilot analysis and viewpoint. **2017**, 6, 102-105 1
- 354 PI3K regulates intraepithelial cell positioning through Rho GTP-ases in the developing neural tube.
- 353 PIK3IP1/TrIP restricts activation of T cells through inhibition of PI3K/Akt.
- 352 Programming of macrophages by apoptotic cancer cells inhibits cancer progression through exosomal PTEN and PPAR α ligands.
- 351 C-terminal truncation of Pik3r1 in mice models human lipodystrophic insulin resistance uncoupled from dyslipidemia.
- 350 The Differences of Interstitial Lung Diseases in High-Resolution Computerized Tomography and Pulmonary Function Test among Different Connective Tissue Diseases, and the Correlated Factors. **2018**, 08, 53-65
- 349 Molecular modeling and analysis of the 3D pharmacophore structure of the selective PI3K- β inhibitors as antitumor agents. **2018**, 68, 860-873
- 348 Receptor Tyrosine Kinases and the Insulin Signaling System. **2018**, 121-155
- 347 Comprehensive analysis of miRNA and protein profiles within exosomes derived from canine lymphoid tumour cell lines. 1
- 346 Apoptosis and Autophagy Induced by Methanol Extract of *Kochia scoparia* in Human Mucoepidermoid Carcinoma Cell Line. **2018**, 42, 167-174

- 345 Kinase Inhibitors in Large Cell Lymphoma. **2019**, 297-305
- 344 Advances in the Regulation of Autophagy. **2019**, 09, 163-179
- 343 Musashi 1-positive cells derived from mouse embryonic stem cells treated with LY294002 are prone to differentiate into intestinal epithelial-like tissues. **2019**, 43, 2471-2480 0
- 342 Envolvimento da inflamaçā subclāica e do estresse oxidativo na resistēcia ^insulina associada a obesidade.. **2019**, 44, 211-220 0
- 341 Tackling Immunotherapy Resistance: Developing Rational Combinations of Immunotherapy and Targeted Drugs. **2019**, 2, 23-35 1
- 340 PRR14 Overexpression Promotes Cell Growth, Epithelial to Mesenchymal Transition and Metastasis of Colon Cancer via the AKT Pathway.
- 339 PTTG has a Dual Role of Promotion-Inhibition in the Development of Pituitary Adenomas. **2019**, 26, 800-818
- 338 Antitumor effects and mechanisms of 1,25(OH)2D3 in the Pfeiffer diffuse large B lymphoma cell line. **2019**, 20, 5064-5074 1
- 337 Surgical Management for Transitional Cell Carcinoma of the Upper Tract. **2020**, 325-343
- 336 Differences in Activation of Intracellular Signalling in Primary Human Retinal Endothelial Cells Between Isoforms of VEGFA-165.
- 335 Introduction to Genes, Oncogenes, and Anti-oncogenes. **2020**, 1-40
- 334 Deciphering the expression dynamics of ANGPTL8 associated regulatory network in insulin resistance using formal modelling approaches. **2020**, 14, 47-58 1
- 333 Case Report: Sustained Complete Response to PI3K Inhibition in a Patient with Metastatic Breast Cancer Harboring PIK3CA, NF1, and CDH1 Mutations. **2020**, 3, 133-136
- 332 Heterogeneity in signaling pathway activity within primary and between primary and metastatic breast cancer.
- 331 Fat of the Gut: Epithelial Phospholipids in Inflammatory Bowel Diseases. **2021**, 22, 4
- 330 Oogenesis Signaling from Development to Environmental Plasticity and Aging. **2020**, 317-335
- 329 ROS mediated radiotherapy-induced protective autophagy in thyroid cancer. **2021**, 14, 58-65 1
- 328 Receptor-linked environment-sensitive probe monitors the local membrane environment surrounding the insulin receptor. 0

- 327 Participation of Phosphatidylinositol-3 Kinase Signalling in Human Chorionic Gonadotropin, Bovine Insulin (B-Insulin) and Human-Insulin-Like Growth Factor-I Induced Oocyte Maturation and Steroidogenesis in the Grey Mullet,. **2020**, 16, 426-436 2
- 326 Metabolic Pathways of Eukaryotes and Connection to Cell Mechanics. **2020**, 825-891 0
- 325 The AKT antagonist AZD5363 suppresses features associated with cancer progression in human larynx cancer cells.
- 324 LukS-PV Induces Apoptosis the SET8-H4K20me1-PIK3CB Axis in Human Acute Myeloid Leukemia Cells. **2021**, 11, 718791 2
- 323 PI3Kinase Inhibition in Hormone Receptor-Positive Breast Cancer. **2021**, 22,
- 322 6-Gingerol protects cardiomyocytes against hypoxia-induced injury by regulating the KCNQ1OT1/miR-340-5p/ PI3K/AKT pathway. **2020**, 2
- 321 Signaling cross-talk by bone morphogenetic proteins. **2008**, 161-178
- 320 Phosphorylation-Dependent Regulation of Voltage-Gated Ca²⁺ Channels. **2005**, 168-182
- 319 Travel informations on the Tec kinases during lymphocyte activation. **2006**, 584, 15-27 1
- 318 PI3K, PTEN and Akt. **2005**, 239-257
- 317 Zellbiologie. **2006**, 454-470
- 316 Minimising reperfusion injury in settings of myocardial ischaemia. **2006**, 267-276
- 315 Signaling Pathways That Protect the Heart Against Apoptosis Induced by Ischemia and Reperfusion. **2006**, 181-195
- 314 Chemo- and Radiosensitization Through Inhibition of PI3K/Akt Signaling. **2007**, 313-334 1
- 313 Innovative Rational-Derived, Target-Based and Cytotoxic Therapies for Breast Cancer and Other Malignancies. **2006**, 741-780
- 312 Phosphoinositide 3-kinases in platelets, thrombosis and therapeutics. **2020**, 477, 4327-4342 2
- 311 Structural basis for the association of PLEKHA7 with membrane-embedded phosphatidylinositol lipids.
- 310 Prediction of PIK3CA mutations from cancer gene expression data. **2020**, 15, e0241514 1

309	Membrane Recruitment as a Cancer Mechanism: A Case Study of Akt PH Domain. 2007 , 4, 25-30	7
308	Hypoxia protects human corneal endothelium from tertiary butyl hydroperoxide and paraquat-induced cell death in vitro. 2007 , 232, 445-53	7
307	Integrin signaling aberrations in prostate cancer. 2009 , 1, 211-20	27
306	Insulin sensitizing pharmacology of thiazolidinediones correlates with mitochondrial gene expression rather than activation of PPAR gamma. 2007 , 1, 73-82	24
305	Activated protein C: a potential cardioprotective factor against ischemic injury during ischemia/reperfusion. 2009 , 1, 381-92	13
304	Physiological regulation of Akt activity and stability. 2010 , 2, 19-42	207
303	Ciglitazone, a novel inhibitor of lung apoptosis following hemorrhagic shock. 2010 , 3, 1-9	4
302	Toll-like receptor 4 activation increases Akt phosphorylation in colon cancer cells. 2009 , 29, 2473-8	51
301	Mammalian target of rapamycin: a central node of complex signaling cascades. 2011 , 4, 476-95	65
300	A Dihydroxy-pentamethoxyflavone from <i>Gardenia obtusifolia</i> suppresses proliferation and promotes apoptosis of tumor cells through modulation of multiple cell signaling pathways. 2010 , 30, 3599-610	15
299	A beta version of life: p110 α takes center stage. 2010 , 1, 729-33	26
298	Class II phosphoinositide 3-kinase C2 α : what we learned so far. 2011 , 2, 168-182	14
297	NGF promotes cell cycle progression by regulating D-type cyclins via PI3K/Akt and MAPK/Erk activation in human corneal epithelial cells. 2012 , 18, 758-64	30
296	Non-invasive imaging of PI3K/Akt/mTOR signalling in cancer. 2012 , 2, 418-31	13
295	Mouse models for colorectal cancer. 2013 , 3, 240-50	32
294	Signal transductions and nonalcoholic fatty liver: a mini-review. 2014 , 7, 1624-31	41
293	A chemical biology approach identified PI3K as a potential therapeutic target for neurofibromatosis type 2. 2014 , 6, 471-93	18
292	Telencephalin protects PAJU cells from amyloid beta protein-induced apoptosis by activating the ezrin/radixin/moesin protein family/phosphatidylinositol-3-kinase/protein kinase B pathway. 2012 , 7, 2189-98	0

291	Pancreatic cancer stem cells. 2015 , 5, 894-906	10
290	Hydroxysafflor yellow A inhibits lipopolysaccharide-induced proliferation and migration of vascular smooth muscle cells via Toll-like receptor-4 pathway. 2015 , 8, 5295-302	11
289	Targeting the VEGF and PDGF signaling pathway in glioblastoma treatment. 2015 , 8, 7825-37	21
288	Role of TM4SF1 in regulating breast cancer cell migration and apoptosis through PI3K/AKT/mTOR pathway. 2015 , 8, 9081-8	25
287	Neuroprotection by epigallo catechin gallate against bupivacaine anesthesia induced toxicity involves modulation of PI3/Akt/PTEN signalling in N2a and SH-SY5Y cells. 2015 , 8, 15065-75	7
286	Wortmannin, PI3K/Akt signaling pathway inhibitor, attenuates thyroid injury associated with severe acute pancreatitis in rats. 2015 , 8, 13821-33	16
285	PIK3CA polymorphisms associated with susceptibility to hepatocellular carcinoma. 2015 , 8, 15255-9	1
284	Regulation of therapeutic resistance in cancers by receptor tyrosine kinases. 2016 , 6, 827-42	9
283	Hyperbaric oxygen protects mandibular condylar chondrocytes from interleukin-1 β induced apoptosis via the PI3K/AKT signaling pathway. 2016 , 8, 5108-5117	11
282	MicroRNA-1301 inhibits proliferation of human glioma cells by directly targeting N-Ras. 2017 , 7, 982-998	20
281	Pterostilbene attenuates myocardial ischemia-reperfusion injury via the phosphatidylinositol 3'-kinase-protein kinase B signaling pathway. 2017 , 14, 5509-5514	5
280	Interaction between CD133 and PI3K-p85 promotes chemoresistance in gastric cancer cells. 2018 , 10, 304-314	12
279	Vincamine exerts protective effect on spiral ganglion neurons in endolymphatic hydrops guinea pig models. 2018 , 10, 3650-3663	
278	GY4137 a HS donor, attenuates ipsilateral epididymis injury in experimentally varicocele-induced rats via activation of the PI3K/Akt pathway. 2019 , 22, 729-735	1
277	Clinical significance of PI3K/Akt/mTOR signaling in gastric carcinoma. 2020 , 13, 995-1007	3
276	Neuroprotective effects of natural compounds on LPS-induced inflammatory responses in microglia. 2020 , 12, 2353-2378	9
275	Differences in activation of intracellular signaling in primary human retinal endothelial cells between isoforms of VEGFA 165. 2021 , 27, 191-205	
274	Alterations in TGF β signaling during prostate cancer progression. 2021 , 9, 318-328	

273	Inhibition of HMGB1 Might Enhance the Protective Effect of Taxifolin in Cardiomyocytes via PI3K/AKT Signaling Pathway. 2021 , 20, 316-332	1
272	PTEN inhibition leads to the development of resistance to novel isoquinoline derivative TNBG-5602 in human liver cancer cells. 2021 , 11, 4515-4527	0
271	Direct and indirect actions of insulin: role of insulin receptor, glucose transporters (GLUTs), and sodium-glucose linked transporters (SGLTs). 2022 , 179-201	
270	Anticancer effects of veratramine via the phosphatidylinositol-3-kinase/serine-threonine kinase/mechanistic target of rapamycin and its downstream signaling pathways in human glioblastoma cell lines. 2021 , 288, 120170	0
269	Systemic pharmacological verification of Baixianfeng decoction regulating TNF-PI3K-Akt-NF- κ B pathway in treating rheumatoid arthritis. 2021 , 119, 105519	1
268	PIK3CA hotspot mutations p. H1047R and p. H1047L sensitize breast cancer cells to thymoquinone treatment by regulating the PI3K/Akt1 pathway. 2021 , 1	2
267	RASSF1A independence and early galectin-1 upregulation in PIK3CA-induced hepatocarcinogenesis: new therapeutic venues. 2021 ,	1
266	Discovery of Eucalyptin C, derived from the fruits of Eucalyptus globulus Labill., as a novel selective PI3K inhibitor for immunosuppressive treatment. 2021 , 19, 844-855	1
265	Pseudophosphatases as Regulators of MAPK Signaling. 2021 , 22,	2
264	Smart Nanoparticles as Advanced Anti-Akt Kinase Delivery Systems for Pancreatic Cancer Therapy. 2021 , 13, 55790-55805	3
263	Oncogenic KRAS: Signaling and Drug Resistance. 2021 , 13,	0
262	TMEM116 is required for lung cancer cell motility and metastasis through PDK1 signaling pathway. 2021 , 12, 1086	0
261	PLEKHA7 signaling is necessary for the growth of mutant KRAS driven colorectal cancer. 2021 , 409, 112930	0
260	DeepNeurite Identification of neurites from non-specific binding of fluorescence probes through deep learning.	
259	Role of Par-4 in EMT. 2021 , 1-23	
258	The efficacy of PI3K and EGFR inhibitors on the suppression of the characteristics of cancer stem cells. 2022 , 12, 347	2
257	Externalized phosphatidylinositides on apoptotic cells are eat-me signals recognized by CD14. 2022 ,	3
256	Par-4 in Cell Cycle Regulation. 2022 , 61-93	

255	Pleiotropic effects of BDNF on the cerebellum and hippocampus: Implications for neurodevelopmental disorders.. 2021 , 163, 105606	2
254	A comprehensive insight into autophagy and its potential signaling pathways as a therapeutic target in podocyte injury.. 2021 , 143, 106153	0
253	Activation of TLR4 induces severe acute pancreatitis-associated spleen injury via ROS-disrupted mitophagy pathway.. 2021 , 142, 63-75	2
252	Integrated Metabolomics and Network Pharmacology to Reveal the Mechanisms of Guizhi-Fuling Treatment for Myocardial Ischemia.	
251	Targeting PI3K by Natural Products: A potential therapeutic strategy for Attention-Deficit Hyperactivity Disorder?. 2022 ,	0
250	Altered Expression of TRIM Proteins-Inimical Outcome and Inimitable Oncogenic Function in Breast Cancer with Diverse Carcinogenic Hallmarks.. 2022 ,	0
249	Pathophysiological Integration of Metabolic Reprogramming in Breast Cancer.. 2022 , 14,	1
248	Cysteine Peptidase Cathepsin X as a Therapeutic Target for Simultaneous TLR3/4-mediated Microglia Activation.. 2022 , 1	0
247	Fucoidans from ameliorate renal interstitial fibrosis inhibition of the PI3K/Akt/NF- κ B signaling pathway.. 2022 ,	0
246	Overexpression of ultraconserved region 83- induces lung cancer tumorigenesis.. 2022 , 17, e0261464	2
245	Huangqi-Honghua Combination Prevents Cerebral Infarction with Qi Deficiency and Blood Stasis Syndrome in Rats by the Autophagy Pathway.. 2022 , 2022, 9496926	
244	Moving towards dawn: KRas signaling and treatment in pancreatic ductal adenocarcinoma.. 2022 ,	
243	Downregulation of PIK3CB Involved in Alzheimer's Disease via Apoptosis, Axon Guidance, and FoxO Signaling Pathway.. 2022 , 2022, 1260161	0
242	REDOX IMBALANCE INDUCES REMODELING OF GLUCOSE METABOLISM IN RHIPICEPHALUS MICROPLUS EMBRYONIC CELL LINE.. 2022 , 101599	0
241	CircSCAPER contributes to IL-1 β induced osteoarthritis in vitro via miR-140-3p/EZH2 axis.. 2022 , 11, 61-72	1
240	Coordination of inter-organelle communication and lipid fluxes by OSBP-related proteins.. 2022 , 101146	2
239	Exogenous pancreatic kininogenase protects against tacrolimus-induced renal injury by inhibiting PI3K/AKT signaling: The role of bradykinin receptors.. 2022 , 105, 108547	0
238	Myostatin: Basic biology to clinical application.. 2022 , 106, 181-234	3

237	Treatments on the Horizon: Breast Cancer Patients with Central Nervous System Metastases.. 2022 ,	1
236	Carotenoids from Marine Sources as a New Approach in Neuroplasticity Enhancement.. 2022 , 23,	0
235	Phase II Study of Taselisib in -Mutated Solid Tumors Other Than Breast and Squamous Lung Cancer: Results From the NCI-MATCH ECOG-ACRIN Trial (EAY131) Subprotocol I.. 2022 , 6, e2100424	1
234	Non-proteolytic ubiquitylation in cellular signaling and human disease.. 2022 , 5, 114	1
233	Targeting PI3K/Akt signal transduction for cancer therapy.. 2021 , 6, 425	27
232	A high-value-added application of the stems of L. as a healthy food: the nutritional value, chemical composition, and anti-inflammatory and antioxidant activities.. 2022 ,	0
231	Signaling Pathways that Regulate Macropinocytosis in Mammalian Cells.. 2022 , 98, 143-167	1
230	Biology and pathophysiology of central nervous system metastases. 2022 , 55-78	
229	The osteogenesis of Ginsenoside Rb1 incorporated silk/micro-nano hydroxyapatite/sodium alginate composite scaffolds for calvarial defect.. 2022 , 14, 10	2
228	Discovery of Novel Indazoles as Potent and Selective PI3K Inhibitors with High Efficacy for Treatment of Hepatocellular Carcinoma.. 2022 ,	2
227	Enhanced cytotoxicity of bisantrene when combined with venetoclax, panobinostat, decitabine and olaparib in acute myeloid leukemia cells.. 2022 , 1-11	
226	Interrogating the Genomic Landscape of Uterine Leiomyosarcoma: A Potential for Patient Benefit.. 2022 , 14,	0
225	Different activation of MAPKs and Akt/GSK3 β after preload vs. afterload elevation.. 2022 ,	
224	Fyn and TOM1L1 are recruited to clathrin-coated pits and regulate Akt signaling.. 2022 , 221,	1
223	Gene Downregulation and Promoter Methylation Exhibits Significant Correlation With Clinical Parameters in Indian Breast Cancer Patients.. 2022 , 13, 842943	1
222	The Role of mTOR and eIF Signaling in Benign Endometrial Diseases.. 2022 , 23,	1
221	Mitochondrial Oxidative Stress and Cell Death in Podocytopathies.. 2022 , 12,	0
220	SEMCM: A Self-Expressive Matrix Completion Model for Anti-cancer Drug Sensitivity Prediction. 2022 , 17,	

219	The Role of Micro RNAs in Regulating PI3K/AKT Signaling Pathways in Glioblastoma.. 2022 , 17, 122-136	2
218	State of Knowledge on Molecular Adaptations to Exercise in Humans: Historical Perspectives and Future Directions.. 2022 , 12, 3193-3279	2
217	Inhibition of PI3K/AKT/mTOR Signalling Pathway Activates Autophagy and Suppresses Peritoneal Fibrosis in the Process of Peritoneal Dialysis.. 2022 , 13, 778479	2
216	Telomerase RNA TERC and the PI3K-AKT pathway form a positive feedback loop to regulate cell proliferation independent of telomerase activity.. 2022 ,	1
215	The Role of ROS as a Double-Edged Sword in (In)Fertility: The Impact of Cancer Treatment.. 2022 , 14,	3
214	Isoquinolines alkaloids and cancer metabolism: Pathways and targets to novel chemotherapy.. 2022 ,	2
213	MicroRNAs Are Key Molecules Involved in the Gene Regulation Network of Colorectal Cancer.. 2022 , 10, 828128	0
212	The effect of influenza A (H1N1) pdm09 virus infection on cytokine production and gene expression in BV2 microglial cells.. 2022 , 312, 198716	0
211	PI3K/mTOR inhibition prevents anal cancer in mice with established low-grade anal dysplasia.. 2022 , 104752	1
210	Elimination of Vitamin D Signaling Causes Increased Mortality in a Model of Overactivation of the Insulin Receptor: Role of Lipid Metabolism.. 2022 , 14,	
209	Diverse Molecular Mechanisms Underlying Pathogenic Protein Mutations: Beyond the Loss-of-Function Paradigm.. 2022 ,	4
208	How myo-inositol improves the physiological functions of aquatic animals: A review. 2022 , 553, 738118	0
207	The Roles of Neurotrophins in Traumatic Brain Injury.. 2021 , 12,	2
206	Alpelisib-Induced Diabetic Ketoacidosis in a Patient With Metastatic Breast Cancer.. 2021 , 13, e20817	
205	Physical activity and fitness in childhood cancer survivors: a scoping review.. 2021 , 2, 112-128	0
204	TCM Regulates PI3K/Akt Signal Pathway to Intervene Atherosclerotic Cardiovascular Disease.. 2021 , 2021, 4854755	3
203	New Intracellular Peptide Derived from Hemoglobin Alpha Chain Induces Glucose Uptake and Reduces Blood Glycemia.. 2021 , 13,	1
202	Effects of Puerarin on the Prevention and Treatment of Cardiovascular Diseases.. 2021 , 12, 771793	0

- 201 miRNA-155 as a Novel Target for Isoliquiritigenin to Induce Autophagy in Oral Squamous Cell Carcinoma. **2022**, 10, 481-488
- 200 Nuclear translocation of p85 β promotes tumorigenesis of PIK3CA helical domain mutant cancer.. **2022**, 13, 1974 0
- 199 Ultrasonic Features and Molecular Subtype Predict Somatic Mutations in TP53 and PIK3CA Genes in Breast Cancer.. **2022**, 0
- 198 Overarching roles of diacylglycerol signaling in cancer development and antitumor immunity.. **2022**, 15, eabo0264 1
- 197 Immune Landscape in PTEN-Related Glioma Microenvironment: A Bioinformatic Analysis.. **2022**, 12, 1
- 196 EGF/EGFR Promotes Salivary Adenoid Cystic Carcinoma Cell Malignant Neural Invasion via Activation of PI3K/AKT and MEK/ERK Signaling.. **2022**, 0
- 195 QSAR analysis on a large and diverse set of potent phosphoinositide 3-kinase gamma (PI3K γ) inhibitors using MLR and ANN methods.. **2022**, 12, 6090 1
- 194 Computational study reveals substituted benzimidazole derivatives' binding selectivity to PI3K α and PI3K β **2022**, 28, 123
- 193 Deregulated signaling networks in lung cancer. 421-442
- 192 Flavonoids as Nutraceuticals. **2006**, 213-238
- 191 Regulation of the p53 Response by Cellular Growth and Survival Factors. **2007**, 115-140
- 190 Table_1.xlsx. **2020**,
- 189 Table_2.xlsx. **2020**,
- 188 Table_3.xlsx. **2020**,
- 187 Table_4.xlsx. **2020**,
- 186 Table_5.docx. **2020**,
- 185 Table_6.docx. **2020**,
- 184 Table_7.docx. **2020**,

183 Image_1.TIF. **2019**,

182 Image_1.TIF. **2020**,

181 Image_2.TIF. **2020**,

180 Image_3.TIF. **2020**,

179 Image_4.TIF. **2020**,

178 Table_1.DOC. **2020**,

177 DataSheet_1.pdf. **2020**,

176 DataSheet_10.zip. **2020**,

175 DataSheet_11.zip. **2020**,

174 DataSheet_12.zip. **2020**,

173 DataSheet_13.zip. **2020**,

172 DataSheet_14.zip. **2020**,

171 DataSheet_2.zip. **2020**,

170 DataSheet_3.zip. **2020**,

169 DataSheet_4.zip. **2020**,

168 DataSheet_5.zip. **2020**,

167 DataSheet_6.zip. **2020**,

166 DataSheet_7.zip. **2020**,

165	DataSheet_8.zip. 2020 ,	
164	DataSheet_9.zip. 2020 ,	
163	Image_1.tif. 2020 ,	
162	Data_Sheet_1.PDF. 2020 ,	
161	Signaling cascades in the failing heart and emerging therapeutic strategies.. 2022 , 7, 134	1
160	Synthetic studies on the indane SHIP1 agonist AQX-1125.. 2022 ,	0
159	Novel biomarkers in triple-negative breast cancer - role and perspective. 2022 , 29-60	
158	Protective Effect of Brassica rapa Polysaccharide against Acute High-Altitude Hypoxia-Induced Brain Injury and Its Metabolomics. 2022 , 2022, 1-16	
157	MicroRNA-145 Impairs Classical Non-Homologous End-Joining in Response to Ionizing Radiation-Induced DNA Double-Strand Breaks via Targeting DNA-PKcs.. 2022 , 11,	1
156	Dietary polyglycosylated anthocyanins, the smart option? A comprehensive review on their health benefits and technological applications.. 2022 ,	0
155	Kinases on Double Duty: A Review of UniProtKB Annotated Bifunctionality within the Kinome. 2022 , 12, 685	
154	Insight into the Role of the PI3K/Akt Pathway in Ischemic Injury and Post-Infarct Left Ventricular Remodeling in Normal and Diabetic Heart.. 2022 , 11,	6
153	Myricetin induces apoptosis and autophagy in human gastric cancer cells through inhibition of the PI3K/Akt/mTOR pathway.. 2022 , 8, e09309	0
152	Identification of NVP-CLR457 as an Orally Bioavailable Non-CNS-Penetrant pan-Class IA Phosphoinositol-3-Kinase Inhibitor.. 2022 ,	0
151	AKT inhibition in the central nervous system induces signaling defects resulting in psychiatric symptomatology.. 2022 , 12, 56	1
150	Sipeimine ameliorates PM2.5-induced lung injury by inhibiting ferroptosis via the PI3K/Akt/Nrf2 pathway: A network pharmacology approach.. 2022 , 239, 113615	1
149	An update on novel therapeutic intervention in Rheumatoid arthritis.. 2022 , 109, 108794	0
148	The New (Nu)-clear Evidence of the tumor-driving role of PI3K. 2022 , 1,	0

- 147 Cyclooxygenase-2 Inhibitor Induces Apoptosis in Breast Cancer Cells in an In vivo Model of Spontaneous Metastatic Breast Cancer. **2004**, 2, 632-642 99
- 146 Biophysical physiology of phosphoinositide rapid dynamics and regulation in living cells.. **2022**, 154, 0
- 145 PIK3CA mutations-mediated downregulation of circLHFPL2 inhibits colorectal cancer progression via upregulating PTEN. **2022**, 21, 0
- 144 How Phosphofruktokinase-1 Promotes PI3K and YAP/TAZ in Cancer: Therapeutic Perspectives. **2022**, 14, 2478 0
- 143 Therapeutic implications of glucose transporters (GLUT) in cerebral ischemia. 0
- 142 Design and Optimization of Thienopyrimidine Derivatives as Potent and Selective PI3K Inhibitors for the Treatment of B-Cell Malignancies. 0
- 141 High Starch in Diet Leads to Disruption of Hepatic Glycogen Metabolism and Liver Fibrosis in Largemouth Bass (*Micropterus salmoides*), Which is Mediated by the PI3K/Akt Signaling Pathway. **2022**, 13, 0
- 140 Yeni Sefli Fosfoinositid 3-Kinaz Gama İhhibitörlerin İ Siliko Yaklaşımlarla Belirlenmesi. 957-966
- 139 Design, Synthesis, and Biological Examination of N-Phenyl-6-fluoro-4-hydroxy-2-quinolone-3-carboxamides as Anticancer Agents. **2022**, 7, 0
- 138 Reducing PDK1/Akt Activity: An Effective Therapeutic Target in the Treatment of Alzheimer's Disease. **2022**, 11, 1735 1
- 137 Identification of Peripheral Blood miRNA Biomarkers in First-Episode Drug-Free Schizophrenia Patients Using Bioinformatics Strategy. 0
- 136 Signaling pathways of inflammation in myocardial ischemia/reperfusion injury. **2022**, 7, 29-38
- 135 A single-cell transcriptomic atlas characterizes the silk-producing organ in the silkworm. **2022**, 13, 0
- 134 *Momordica charantia* Exosome-Like Nanoparticles Exert Neuroprotective Effects Against Ischemic Brain Injury via Inhibiting Matrix Metalloproteinase 9 and Activating the AKT/GSK3β Signaling Pathway. 13, 1
- 133 Structure and biomedical applications of bioactive polyphenols from food and fruits. 0
- 132 Prospects of targeting PI3K/AKT/mTOR pathway in pancreatic cancer. **2022**, 103749 1
- 131 Dual Effect of the Extract from the Fungus *Coriolus versicolor* on Lipopolysaccharide-Induced Cytokine Production in RAW 264.7 Macrophages Depending on the Lipopolysaccharide Concentration. Volume 15, 3599-3611 1
- 130 Small Molecule Inhibitors in Adult High-Grade Glioma: From the Past to the Future. 12, 1

- 129 Design, synthesis, docking study, and anticancer evaluation of novel bis-thiazole derivatives linked to benzofuran or benzothiazole moieties as PI3k inhibitors and apoptosis inducers. **2022**, 1265, 133454 2
- 128 Aspectos clínicos y terapéuticos del carcinoma de mama metastásico triple negativo. **2022**, 67, 119-130
- 127 In Vitro Growth and Maturation of Human Primordial Follicles From Cryopreserved Tissue. **2022**, 203-211 0
- 126 Pathophysiology of heart failure and an overview of therapies. **2022**, 149-221
- 125 Ethanolic Extract of Pancake Mixture Powder Supplemented with Helianthus tuberosus Enhances Antidiabetic Effects via Inhibiting Inflammatory Mediator NO Production. **2022**, 50, 228-234
- 124 Expanding the phenotype of PIK3C2A related syndrome: Report of two siblings with novel features and genotype.
- 123 Lost in Translation: Neurotrophins Biology and Function in the Neurovascular Unit. 107385842211049 0
- 122 SLIDE-VIP: a comprehensive, cell line- and patient-based framework for synthetic lethality prediction in DNA damage repair, chromatin remodeling and cell cycle.
- 121 Discovery, Optimization, and Evaluation of Potent and Selective PI3K/ Dual Inhibitors for the Treatment of B-cell Malignancies.
- 120 Treating non-small cell lung cancer by targeting the PI3K signaling pathway. Publish Ahead of Print, 0
- 119 Pharmacological Properties of 4', 5, 7-Trihydroxyflavone (Apigenin) and Its Impact on Cell Signaling Pathways. **2022**, 27, 4304 0
- 118 Investigating the active components of Huatan Tongjing Decoction for the treatment of polycystic ovary syndrome via network pharmacology. 0
- 117 Biological Effects and Mechanisms of Caspases in Early Brain Injury after Subarachnoid Hemorrhage. **2022**, 2022, 1-14 2
- 116 Study on the Anti-demyelination Mechanism of Bu-Shen-Yi-Sui Capsule in the Central Nervous System Based on Network Pharmacology and Experimental Verification. **2022**, 2022, 1-23 0
- 115 Functional roles of E3 ubiquitin ligases in prostate cancer. 0
- 114 Molecular pharmacology and antitumor activity of PX-866, a novel inhibitor of phosphoinositide-3-kinase signaling. **2004**, 3, 763-772 87
- 113 Transcriptional and Epigenetic Consequences of DMSO Treatment on HepaRG Cells. **2022**, 11, 2298 0
- 112 Design, Synthesis, and Development of Pyrazolo[1,5-a]pyrimidine Derivatives as a Novel Series of Selective PI3K Inhibitors: Part II Benzimidazole Derivatives. **2022**, 15, 927 2

111	The extract of <i>Celtis choseniana</i> Nakai alleviates testosterone-induced benign prostatic hyperplasia through inhibiting 5 α -reductase type 2 and the Akt/NF- κ B/AR pathway. 2022 , 20, 518-526	
110	Renshen Baidu Powder Attenuated Intestinal Inflammation and Apoptosis in Ulcerative Colitis Rats through the Inhibition of PI3K/AKT/NF- κ B Signaling Pathway. 2022 , 2022, 1-14	0
109	A Low-Phenylalanine-Containing Whey Protein Hydrolysate Stimulates Osteogenic Activity through the Activation of p38/Runx2 Signaling in Osteoblast Cells. 2022 , 14, 3135	
108	Apolipoprotein A1 Modulates Teff/Treg Balance Through Scavenger Receptor Class B Type I-Dependent Mechanisms in Experimental Autoimmune Uveitis. 2022 , 63, 23	1
107	Hydrophobic Bile Salts Induce Pro-Fibrogenic Proliferation of Hepatic Stellate Cells through PI3K p110 Alpha Signaling. 2022 , 11, 2344	1
106	Adipokine Levels in Men with Coronary Atherosclerosis on the Background of Abdominal Obesity. 2022 , 12, 1248	
105	Acupuncture Improves Endometrial Angiogenesis by Activating PI3K/AKT Pathway in a Rat Model with PCOS. 2022 , 2022, 1-15	0
104	Advances in the Discovery of Novel Inhaled PI3K Inhibitors for the Treatment of Asthma. 2022 , 29,	
103	Probing weak lipid-lipid binding domain interactions with a mechanically transduced immunosorbent assay (METRIS).	
102	Chemopreventive Effects of Selenium and Selenocompounds in the Treatment of Lymphoma. 2022 , 2, 310-327	0
101	Advances in the use of exosomes for the treatment of ALI/ARDS. 13,	2
100	GSK3 Inhibition Is the Molecular Pivot That Underlies the Mir-210-Induced Attenuation of Intrinsic Apoptosis Cascade during Hypoxia. 2022 , 23, 9375	1
99	S-palmitoylation of PCSK9 induces sorafenib resistance in liver cancer by activating the PI3K/AKT pathway. 2022 , 40, 111194	2
98	Development of an adverse outcome pathway network for breast cancer: a comprehensive representation of the pathogenesis, complexity and diversity of the disease.	1
97	Clinicopathological characteristics and prognostic analysis of PIK3CA mutation in breast cancer patients in Northwest China. 2022 , 238, 154063	
96	Molecular pathways in periampullary cancer: An overview. 2022 , 100, 110461	0
95	A Review of Signaling Transduction Mechanisms in Osteoclastogenesis Regulation by Autophagy, Inflammation, and Immunity. 2022 , 23, 9846	0
94	Influence of the Postmortem/Storage Time of Human Corneas on the Properties of Cultured Limbal Epithelial Cells. 2022 , 11, 2716	0

- 93 Double Deletion of PI3K and PTEN Modifies Lens Postnatal Growth and Homeostasis. **2022**, 11, 2708 ○
- 92 The Plant Homeodomain Protein Clp1 Regulates Fungal Development, Virulence, and Autophagy Homeostasis in *Magnaporthe oryzae*. ○
- 91 BRAF and MEK Targeted Therapies in Pediatric Central Nervous System Tumors. **2022**, 14, 4264 1
- 90 Integrated Metabolomics and Network Pharmacology to Reveal the Mechanisms of Guizhi-Fuling Treatment for Myocardial Ischemia. 1
- 89 CircSEMA4B inhibits the progression of breast cancer by encoding a novel protein SEMA4B-211aa and regulating AKT phosphorylation. **2022**, 13, 1
- 88 In Vitro Gene Expression Responses of Bovine Rumen Epithelial Cells to Different pH Stresses. **2022**, 12, 2621 ○
- 87 Epidermal Growth Factor Receptor Inhibition Is Protective in Hyperoxia-Induced Lung Injury. **2022**, 2022, 1-18 ○
- 86 Insulin receptor tyrosine kinase substrate (IRTKS) promotes the tumorigenesis of pancreatic cancer via PI3K/AKT signaling. **2022**, 35, 1885-1899 ○
- 85 Pretreatment with rosavin attenuates PM2.5-induced lung injury in rats through antiapoptosis via PI3K/Akt/Nrf2 signaling pathway. ○
- 84 A perspective study on the RTK, PI3K, B-Raf, CDK and the multi-protein targeting in medicinal chemistry. ○
- 83 Loss of the Fbw7 tumor suppressor rewires cholesterol metabolism in cancer cells leading to activation of the PI3K-AKT signalling axis. 12, ○
- 82 Compound 511 ameliorates MRSA-induced lung injury by attenuating morphine-induced immunosuppression in mice via PI3K/AKT/mTOR pathway. **2022**, 154475 ○
- 81 Tyk2 is a tumor suppressor in colorectal cancer. **2022**, 11, ○
- 80 The Molecular Mechanisms of *Panax ginseng* in Treating Type 2 Diabetes Mellitus: Network Pharmacology Analysis and Molecular Docking Validation. **2022**, 2022, 1-11 ○
- 79 Anticancer Activity of Phyto Ligands from *Carica papaya* Leaves by Suppression of PI3CKA and BCL2 Proteins- An insilico Approach. **2022**, 15, 1289-1298 ○
- 78 Akt: a key transducer in cancer. **2022**, 29, 2
- 77 An Overview of Class II Phosphoinositide 3-Kinases. **2022**, 51-68 ○
- 76 Developing PI3K Inhibitors for Respiratory Diseases. **2022**, 437-466 ○

75	PI3K Isoform Signalling in Platelets. 2022 , 255-285	0
74	AKT Isoforms in the Immune Response in Cancer. 2022 , 349-366	0
73	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022 , 14, 5160	1
72	Signaling pathways and therapeutic interventions in gastric cancer. 2022 , 7,	0
71	BCAM Deficiency May Contribute to Preeclampsia by Suppressing the PIK3R6/p-STAT3 Signaling.	0
70	PFOA-Induced Ovotoxicity Differs Between Lean and Obese Mice With Impacts on Ovarian Reproductive and DNA Damage Sensing and Repair Proteins.	0
69	Glutamyl-prolyl-tRNA synthetase 1 coordinates early endosomal anti-inflammatory AKT signaling. 2022 , 13,	0
68	Eldecalcitol prevents muscle loss by suppressing PI3K/AKT/FOXOs pathway in orchiectomized mice. 13,	1
67	A Promising Candidate in Tendon Healing Events PDGF-BB. 2022 , 12, 1518	0
66	PIK3CA-mutations in breast cancer. 2022 , 196, 483-493	0
65	Mechanistic insights into cancer drug resistance through optogenetic PI3K signaling hyperactivation. 2022 ,	0
64	CAPG facilitates diffuse large B-cell lymphoma cell progression through PI3K/AKT signaling pathway. 2022 ,	0
63	Effect of a high-fat meal on the relative bioavailability of HMPL-689 in Chinese Healthy Volunteers.	0
62	Based on 2-(difluoromethyl)-1-[4,6-di(4-morpholinyl)-1,3,5-triazin-2-yl]-1H-benzimidazole (ZSTK474), design, synthesis and biological evaluation of novel PI3Kβ selective inhibitors. 2022 , 106211	0
61	Co-encapsulation of PI3-K/HDAC6 dual inhibitor and Navitoclax in Quatramer Nanoparticles for synergistic effect in ER+ breast cancer. 2022 , 628, 122343	1
60	TGF-β1 induces type I collagen deposition in granulosa cells via the AKT/GSK-3β signaling pathway-mediated MMP1 down-regulation. 2022 , 22, 100705	0
59	Silencing of KNTC1 inhibits hepatocellular carcinoma cells progression via suppressing PI3K/Akt pathway. 2023 , 101, 110498	0
58	Efficacy and safety of copanlisib in relapsed/refractory B-cell non-Hodgkin lymphoma: A meta-analysis of prospective clinical trials. 13,	0

57	Maltol ameliorates intervertebral disc degeneration through inhibiting PI3K/AKT/NF- κ B pathway and regulating NLRP3 inflammasome-mediated pyroptosis.	0
56	Targeting the PI3K Pathway in Gynecologic Malignancies.	0
55	DNA methylation-mediated silencing of Neuronatin promotes hepatocellular carcinoma proliferation through the PI3K-Akt signaling pathway. 2023 , 312, 121266	0
54	Thymol protects against bleomycin-induced pulmonary fibrosis via abrogation of oxidative stress, inflammation, and modulation of miR-29a/TGF- β and PI3K/Akt signaling in mice. 2023 , 314, 121256	0
53	Functional specialization of different PI3K isoforms for the control of neuronal architecture, synaptic plasticity, and cognition. 2022 , 8,	0
52	DNA Damage Stress Response and Follicle Activation: Signaling Routes of Mammalian Ovarian Reserve. 2022 , 23, 14379	0
51	In Vitro Anti-Colorectal Cancer and Anti-Microbial Effects of Pinus roxburghii and Nauplius graveolens Extracts Modulated by Apoptotic Gene Expression. 2022 , 9, 393	0
50	Modulation of the Inflammatory Response in Polycystic Ovary Syndrome (PCOS) Searching for Epigenetic Factors. 2022 , 23, 14663	2
49	Signaling pathway intervention in premature ovarian failure. 9,	0
48	<i>PIK3CA</i>-mutated breast cancer: from research to clinical practice. 2022 , 148-153	0
47	Membrane-to-Nucleus Signaling in Human Blood Progenitor Cells Reveals an Efficient GM-Free Reprogramming to Pluripotency.	0
46	Discovery of GDC-0077 (Inavolisib), a Highly Selective Inhibitor and Degradable of Mutant PI3K. 2022 , 65, 16589-16621	2
45	Pancreatic Cancer: Beyond Brca Mutations. 2022 , 12, 2076	1
44	A covalently linked probe to monitor local membrane properties surrounding plasma membrane proteins. 2023 , 222,	0
43	Endometrial Cancer. 2022 , 247-278	0
42	Aristolochic Acid Nephropathy: A Novel Suppression Strategy of Carbon Dots Derived from Astragali Radix Carbonisata. 2022 , 18, 1963-1974	0
41	Scrambled eggs Negative impacts of heat stress and chemical exposures on ovarian function in swine.	0
40	Impact of signaling in the development pathway of genitourinary cancers. 2023 , 311-321	0

- 39 Endothelial hyperactivation of mutant MAP3K3 induces cerebral cavernous malformation enhanced by PIK3CA GOF mutation. ○
- 38 Enhancing Milk Production by Nutrient Supplements: Strategies and Regulatory Pathways. **2023**, 13, 419 ○
- 37 Retinol/Vitamin A Signaling and Self-renewal of Embryonic Stem Cells. **2012**, 457-469 ○
- 36 Cytokines and Cytokine Receptors. **2023**, 186-214 ○
- 35 Research Progress on the Relationship between PI3K/Akt Signaling Pathway and Diabetic Osteoporosis. **2023**, 13, 2437-2443 ○
- 34 Global research trends and hotspots of PI3K/Akt signaling pathway in the field of osteoarthritis: A bibliometric study. **2023**, 102, e33489 ○
- 33 A Bird's Eye View of Various Cell-Based Biomimetic Nanomedicines for the Treatment of Arthritis. **2023**, 15, 1150 ○
- 32 GSTP1-mediated S-glutathionylation of Pik3r1 is a redox hub that inhibits osteoclastogenesis through regulating autophagic flux. **2023**, 61, 102635 ○
- 31 Cancer stem cell in prostate cancer progression, metastasis and therapy resistance. **2023**, 1878, 188887 ○
- 30 Wnt-associated adult stem cell marker Lgr6 is required for osteogenesis and fracture healing. **2023**, 169, 116681 ○
- 29 Design, synthesis and in vitro biological evaluation of 2-aminopyridine derivatives as novel PI3K inhibitors for hematological cancer. **2023**, 82, 129152 ○
- 28 Macrophage Repolarization as a Therapeutic Strategy for Osteosarcoma. **2023**, 24, 2858 ○
- 27 Understanding the mechanism of twenty-five ingredient decoction for setting a fracture in the treatment of fractures based on network pharmacology. **2023**, 102, e32864 ○
- 26 Various Expressions of PIK3C2A and TXNIP Genes and Their Potential Role as Independent Risk Factors for Chronic Stable Angina and Acute Coronary Syndrome. **2023**, 13, 302 ○
- 25 Nanomedicine in therapeutic warfront against estrogen receptor-positive breast cancer. ○
- 24 Prospects and feasibility of synergistic therapy with radiotherapy, immunotherapy, and DNA methyltransferase inhibitors in non-small cell lung cancer. 14, ○
- 23 Helixor-M Suppresses Immunostimulatory Activity through TLR4-Dependent NF- κ B Pathway in RAW 264.7 Cells. **2023**, 13, 595 ○
- 22 The Relationship between PIK3CA Mutation and Hormone Receptor Positive and HER2 Negative Breast Cancer. **2023**, 13, 2724-2728 ○

- 21 FAK-mediated phosphorylation at Y464 regulates p85 nuclear translocation to promote tumorigenesis of ccRCC by repressing RB1 expression. **2023**, 42, 112188 ○
- 20 Associations between the polymorphisms of main components in PI3K /Akt pathway and risk of diabetic kidney disease: A meta-analysis. ○
- 19 Driver mutation characteristics of phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha (PIK3CA) in advanced non-small cell lung cancer. **2023**, 178, 229-236 ○
- 18 The fatty acid elongase Elovl6 is crucial for hematopoietic stem cell engraftment and leukemia propagation. **2023**, 37, 910-913 ○
- 17 Sipeimine attenuates PM2.5-induced lung toxicity via suppression of NLRP3 inflammasome-mediated pyroptosis through activation of the PI3K/AKT pathway. **2023**, 376, 110448 ○
- 16 Mammalian cells internalize bacteriophages and utilize them as a food source to enhance cellular growth and survival. ○
- 15 Gene enrichment analysis and protein-protein interaction network topology delineates S-Phase kinase-associated protein 1 and catenin beta-1 as potential signature genes linked to glioblastoma prognosis. **2023**, 7, 37 ○
- 14 Pten, Pi3K and PtdIns(3,4,5)P3 dynamics modulate pulsatile actin branching in *Drosophila* retina morphogenesis. ○
- 13 Individualized Lipid Metabolism-Associated Six-Gene Signature for Prediction of Overall Survival, Immune Infiltration, Immunotherapy Response, and Potential Candidate Drugs in Lung Squamous Cell Carcinoma Patients: Development and Validation. ○
- 12 Activating mutations in EGFR and PI3K promote ATF4 induction for NSCLC cell survival during amino acid deprivation. **2023**, 9, e14799 ○
- 11 Signaling of nicotinic acetylcholine receptors in mononuclear phagocytes. **2023**, 191, 106727 ○
- 10 Recent advances in the molecular mechanisms of low-intensity pulsed ultrasound against inflammation. **2023**, 101, 361-374 ○
- 9 Aldosterone: Renal Action and Physiological Effects. 4409-4491 ○
- 8 Comparative transcriptome analysis of endothelial progenitor cells of HbSS patients with and without proliferative retinopathy. 153537022311579 ○
- 7 Crosstalk between phytochemicals and inflammatory signaling pathways. ○
- 6 Production of Food-Derived Bioactive Peptides with Potential Application in the Management of Diabetes and Obesity: A Review. ○
- 5 Recent advances on the biological activities of purple sweet potato anthocyanins. **2023**, 102670 ○
- 4 Rottlerin and genistein inhibit neuroblastoma cell proliferation and invasion through EF2K suppression and related protein pathways. ○

- 3 PI3K/AKT/mTOR Dysregulation and Reprogramming Metabolic Pathways in Renal Cancer: Crosstalk with the VHL/HIF Axis. **2023**, 24, 8391 ○
- 2 Clinical Experience with Phosphatidylinositol 3-Kinase Inhibitors in Hematologic Malignancies. **2023**, 86-101 ○
- 1 Myo-Inositol Attenuates Renal Interstitial Fibrosis in Obstructive Nephropathy by Inhibiting PI3K/AKT Activation. ○