Alexander Gray

List of Publications by Year
in descending order

49 papers	6,214 citations	136740 32 h-index	197535 49 g-index
50 all docs	50 docs citations	50 times ranked	8904 citing authors

#	Article	IF	Citations
1	Impact of metal ions on PCR inhibition and RT-PCR efficiency. International Journal of Legal Medicine, 2021, 135, 63-72.	1.2	36
2	DNA-nanopore technology: a human perspective. Emerging Topics in Life Sciences, 2021, 5, 455-463.	1.1	1
3	Human Leukocyte Antigen alleles as an aid to STR in complex forensic DNA samples. Science and Justice - Journal of the Forensic Science Society, 2020, 60, 1-8.	1.3	5
4	AMPK activation induces mitophagy and promotes mitochondrial fission while activating TBK1 in a PINK1â€Parkin independent manner. FASEB Journal, 2020, 34, 6284-6301.	0.2	93
5	Cell-Free Assays to Measure Effects of Regulatory Ligands on AMPK. Methods in Molecular Biology, 2018, 1732, 69-86.	0.4	8
6	Genotoxic Damage Activates the AMPK-Î±1 Isoform in the Nucleus via Ca2+/CaMKK2 Signaling to Enhance Tumor Cell Survival. Molecular Cancer Research, 2018, 16, 345-357.	1.5	41
7	Isoform-specific AMPK association with TBC1D1 is reduced by a mutation associated with severe obesity. Biochemical Journal, 2018, 475, 2969-2983.	1.7	11
8	PTEN Regulates PI(3,4)P2 Signaling Downstream of Class I PI3K. Molecular Cell, 2017, 68, 566-580.e10.	4.5	149
9	Fructose-1,6-bisphosphate and aldolase mediate glucose sensing by AMPK. Nature, 2017, 548, 112-116.	13.7	469
10	AMPK Causes Cell Cycle Arrest in LKB1-Deficient Cells via Activation of CAMKK2. Molecular Cancer Research, 2016, 14, 683-695.	1.5	63
11	Enhanced Insulin Sensitivity Associated with Provision of Mono and Polyunsaturated Fatty Acids in Skeletal Muscle Cells Involves Counter Modulation of PP2A. PLoS ONE, 2014, 9, e92255.	1.1	24
12	PDK1 controls upstream PI3K expression and PIP3 generation. Oncogene, 2014, 33, 3043-3053.	2.6	30
13	Cross Talk between the Akt and p38Î± Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. Molecular and Cellular Biology, 2013, 33, 4152-4165.	1.1	74
14	Phospholipase Câ€Î²2 is required for retinoic acidâ€stimulated neurite growth. Journal of Neurochemistry, 2013, 124, 632-644.	2.1	8
15	IQGAP Proteins Reveal an Atypical Phosphoinositide (aPI) Binding Domain with a Pseudo C2 Domain Fold. Journal of Biological Chemistry, 2012, 287, 22483-22496.	1.6	23
16	Defining the Contribution of AMP-activated Protein Kinase (AMPK) and Protein Kinase C (PKC) in Regulation of Glucose Uptake by Metformin in Skeletal Muscle Cells. Journal of Biological Chemistry, 2012, 287, 20088-20099.	1.6	84
17	PTEN Protein Phosphatase Activity Correlates with Control of Gene Expression and Invasion, a Tumor-Suppressing Phenotype, But Not with AKT Activity. Science Signaling, 2012, 5, ra18.	1.6	107
18	Both p110Î± and p110Î² isoforms of PI3K can modulate the impact of loss-of-function of the PTEN tumour suppressor. Biochemical Journal, 2012, 442, 151-159.	1.7	64

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19	A Screen for Novel Phosphoinositide 3-kinase Effector Proteins. Molecular and Cellular Proteomics, 2011, 10, M110.003178.	2.5	26
20	A fluorescence lifetime-based assay for serine and threonine kinases that is suitable for high-throughput screening. Analytical Biochemistry, 2010, 402, 54-64.	1.1	12
21	Suppression of cellular proliferation and invasion by the concerted lipid and protein phosphatase activities of PTEN. Oncogene, 2010, 29, 687-697.	2.6	117
22	Ubiquitination of PTEN (Phosphatase and Tensin Homolog) Inhibits Phosphatase Activity and Is Enhanced by Membrane Targeting and Hyperosmotic Stress. Journal of Biological Chemistry, 2010, 285, 12620-12628.	1.6	45
23	Activity of any class IA PI3K isoform can sustain cell proliferation and survival. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11381-11386.	3.3	147
24	Structural insights into phosphoinositide 3-kinase activation by the influenza A virus NS1 protein. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1954-1959.	3.3	95
25	Phosphatidylinositol-3-OH kinase and nutrient-sensing mTOR pathways control T lymphocyte trafficking. Nature Immunology, 2008, 9, 513-521.	7.0	364
26	Use of Akt Inhibitor and a Drug-resistant Mutant Validates a Critical Role for Protein Kinase B/Akt in the Insulin-dependent Regulation of Glucose and System A Amino Acid Uptake. Journal of Biological Chemistry, 2008, 283, 27653-27667.	1.6	96
27	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. Journal of Lipid Research, 2007, 48, 726-732.	2.0	27
28	Regulation of Insulin Receptor Substrate 1 Pleckstrin Homology Domain by Protein Kinase C: Role of Serine 24 Phosphorylation. Molecular Endocrinology, 2006, 20, 1838-1852.	3.7	49
29	Localization of agonist-sensitive PtdIns(3,4,5)P3 reveals a nuclear pool that is insensitive to PTEN expression. Journal of Cell Science, 2006, 119, 5160-5168.	1.2	137
30	Chronic myeloid leukemia CD34+ cells have elevated levels of phosphatidylinositol 3,4,5 trisphosphate (PtdIns(3,4,5)P3) and lack a PtdIns(3,4,5)P3 response to cytokines and chemotactic factors; effects reversed by imatinib. Leukemia, 2005, 19, 1851-1853.	3.3	5
31	Probing phosphoinositide functions in signaling and membrane trafficking. Trends in Cell Biology, 2005, 15, 259-268.	3.6	209
32	Comparison of phosphatidylinositol-3-kinase signalling within a panel of human colorectal cancer cell lines with mutant or wild-type PIK3CA. FEBS Letters, 2005, 579, 5123-5128.	1.3	28
33	The TSC1-2 tumor suppressor controls insulinâ€“PI3K signaling via regulation of IRS proteins. Journal of Cell Biology, 2004, 166, 213-223.	2.3	1,013
34	Intracellular ceramide synthesis and protein kinase CÎ¶ activation play an essential role in palmitate-induced insulin resistance in rat L6 skeletal muscle cells. Biochemical Journal, 2004, 382, 619-629.	1.7	230
35	Essential role for the p110Î´ phosphoinositide 3-kinase in the allergic response. Nature, 2004, 431, 1007-1011.	13.7	369
36	Leptin and insulin stimulation of signalling pathways in arcuate nucleus neurones: PI3K dependent actin reorganization and KATP channel activation. BMC Neuroscience, 2004, 5, 54.	0.8	149

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37	Comparative proteomics of primitive hematopoietic cell populations reveals differences in expression of proteins regulating motility. Blood, 2004, 103, 3751-3759.	0.6	63
38	Redox regulation of PI 3-kinase signalling via inactivation of PTEN. EMBO Journal, 2003, 22, 5501-5510.	3.5	536
39	Nonradioactive methods for the assay of phosphoinositide 3-kinases and phosphoinositide phosphatases and selective detection of signaling lipids in cell and tissue extracts. Analytical Biochemistry, 2003, 313, 234-245.	1.1	145
40	Advances in Procedures for the Detection and Localization of Inositol Phospholipid Signals in Cells, Tissues, and Enzyme Assays. Methods in Enzymology, 2003, 366, 64-84.	0.4	13
41	A Crucial Role for the p110Î´ Subunit of Phosphatidylinositol 3-Kinase in B Cell Development and Activation. Journal of Experimental Medicine, 2002, 196, 753-763.	4.2	417
42	Antagonism of PI 3-kinase-dependent signalling pathways by the tumour suppressor protein, PTEN. Biochemical Society Transactions, 2001, 29, 846-51.	1.6	14
43	Regulation of the Rac1-specific exchange factor Tiam1 involves both phosphoinositide 3-kinase-dependent and -independent components. Biochemical Journal, 2000, 351, 173.	1.7	80
44	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. Biochemical Journal, 2000, 352, 617.	1.7	18
45	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. Biochemical Journal, 2000, 352, 617-622.	1.7	49
46	Distinct Phosphatidylinositol 3-Kinase Lipid Products Accumulate upon Oxidative and Osmotic Stress and Lead to Different Cellular Responses. Journal of Biological Chemistry, 1999, 274, 35963-35968.	1.6	112
47	The pleckstrin homology domains of protein kinase B and GRP1 (general receptor for) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 3,4,5-trisphosphate in vivo. Biochemical Journal, 1999, 344, 929-936.	1.7	177
48	The pleckstrin homology domains of protein kinase B and GRP1 (general receptor for) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (pho phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 3,4,5-trisphosphate in vivo. Biochemical Journal, 1999, 344, 929.	1.7	80
49	Identification of an epidermal growth factor receptor homologue in trypanosomes. Molecular and Biochemical Parasitology, 1989, 36, 51-59.	0.5	102