Pedro A Lazo

List of Publications by Year
in descending order

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133	12,316	76326	25787
papers	citations	40 h-index	108 g-index

137	137	137	23510
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	The molecular genetics of cervical carcinoma. British Journal of Cancer, 1999, 80, 2008-2018.	6.4	179
4	Aberrant expression of tetraspanin molecules in B-cell chronic lymphoproliferative disorders and its correlation with normal B-cell maturation. Leukemia, 2005, 19, 1376-1383.	7.2	146
5	Tetraspanin proteins as organisers of membrane microdomains and signalling complexes. Cellular Signalling, 2003, 15, 559-564.	3.6	141
6	Gene amplification of the histone methyltransferase SETDB1 contributes to human lung tumorigenesis. Oncogene, 2014, 33, 2807-2813.	5.9	126
7	p53 Stabilization and Accumulation Induced by Human Vaccinia-Related Kinase 1. Molecular and Cellular Biology, 2004, 24, 10366-10380.	2.3	125
8	The human vaccinia-related kinase 1 (VRK1) phosphorylates threonine-18 within the mdm-2 binding site of the p53 tumour suppressor protein. Oncogene, 2000, 19, 3656-3664.	5.9	124
9	Involvement of SNAP-23 and syntaxin 6 in human neutrophil exocytosis. Blood, 2000, 96, 2574-2583.	1.4	123
10	Human Vaccinia-related Kinase 1 (VRK1) Activates the ATF2 Transcriptional Activity by Novel Phosphorylation on Thr-73 and Ser-62 and Cooperates with JNK. Journal of Biological Chemistry, 2004, 279, 27458-27465.	3.4	110
11	Long-distance activation of the Myc protooncogene by provirus insertion in Mlvi-1 or Mlvi-4 in rat T-cell lymphomas.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 170-173.	7.1	108
12	Functional implications of tetraspanin proteins in cancer biology. Cancer Science, 2007, 98, 1666-1677.	3.9	105
13	c-Jun phosphorylation by the human vaccinia-related kinase 1 (VRK1) and its cooperation with the N-terminal kinase of c-Jun (JNK). Oncogene, 2004, 23, 8950-8958.	5.9	100
14	The SRY-HMG box gene, SOX4, is a target of gene amplification at chromosome 6p in lung cancerâ€. Human Molecular Genetics, 2009, 18, 1343-1352.	2.9	99
15	Human VRK1 Is an Early Response Gene and Its Loss Causes a Block in Cell Cycle Progression. PLoS ONE, 2008, 3, e1642.	2.5	90
16	Amino Acids and Glucose Utilization by Different Metabolic Pathways in Ascitesâ€Tumour Cells. FEBS Journal, 1981, 117, 19-25.	0.2	80
17	VRK1 Signaling Pathway in the Context of the Proliferation Phenotype in Head and Neck Squamous Cell Carcinoma. Molecular Cancer Research, 2006, 4, 177-185.	3.4	78
18	Roles of VRK1 as a new player in the control of biological processes required for cell division. Cellular Signalling, 2011, 23, 1267-1272.	3.6	78

#	ARTICLE	IF	CITATIONS
19	The subcellular localization of vaccinia-related kinase-2 (VRK2) isoforms determines their different effect on p53 stability in tumour cell lines. FEBS Journal, 2006, 273, 2487-2504.	4.7	72
20	Deletion in Human Chromosome Region 12q13-15 by Integration of Human Papillomavirus DNA in a Cervical Carcinoma Cell Line. Journal of Biological Chemistry, 1995, 270, 24321-24326.	3.4	69
21	Role of Vesicle-Associated Membrane Protein-2, Through Q-SolubleN-Ethylmaleimide-Sensitive Factor Attachment Protein Receptor/R-SolubleN-Ethylmaleimide-Sensitive Factor Attachment Protein Receptor Interaction, in the Exocytosis of Specific and Tertiary Granules of Human Neutrophils. Journal of Immunology, 2003, 170, 1034-1042.	0.8	68
22	Vaccinia-Related Kinase 2 Modulates the Stress Response to Hypoxia Mediated by TAK1. Molecular and Cellular Biology, 2007, 27, 7273-7283.	2.3	65
23	Modulation of Interleukin-1 Transcriptional Response by the Interaction between VRK2 and the JIP1 Scaffold Protein. PLoS ONE, 2008, 3, e1660.	2.5	62
24	Apoptosis protection and survival signal by the CD53 tetraspanin antigen. Oncogene, 2003, 22, 1219-1224.	5.9	61
25	Expression of the VRK (vaccinia-related kinase) gene family of p53 regulators in murine hematopoietic development. FEBS Letters, 2003, 544, 176-180.	2.8	60
26	Induction of nitric oxide release by MRC OX-44 (anti-CD53) through a protein kinase C-dependent pathway in rat macrophages.. Journal of Experimental Medicine, 1994, 179, 1119-1126.	8.5	57
27	Plk3 Interacts with and Specifically Phosphorylates VRK1 in Ser³⁴², a Downstream Target in a Pathway That Induces Golgi Fragmentation. Molecular and Cellular Biology, 2009, 29, 1189-1201.	2.3	57
28	Recurrent infectious diseases in human CD53 deficiency. Vaccine Journal, 1997, 4, 229-231.	2.6	56
29	Provirus insertion in Tpl-1, an Ets-1-related oncogene, is associated with tumor progression in Moloney murine leukemia virus-induced rat thymic lymphomas.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7495-7499.	7.1	54
30	p53 Downregulates Its Activating Vaccinia-Related Kinase 1, Forming a New Autoregulatory Loop. Molecular and Cellular Biology, 2006, 26, 4782-4793.	2.3	54
31	Human VRK2 modulates apoptosis by interaction with Bcl-xL and regulation of BAX gene expression. Cell Death and Disease, 2013, 4, e513-e513.	6.3	54
32	VRK1 chromatin kinase phosphorylates H2AX and is required for foci formation induced by DNA damage. Epigenetics, 2015, 10, 373-383.	2.7	54
33	Proteomics Identification of Nuclear Ran GTPase as an Inhibitor of Human VRK1 and VRK2 (Vaccinia-related Kinase) Activities. Molecular and Cellular Proteomics, 2008, 7, 2199-2214.	3.8	53
34	Kinetic Properties of p53 Phosphorylation by the Human Vaccinia-Related Kinase 1. Archives of Biochemistry and Biophysics, 2002, 399, 1-5.	3.0	51
35	Emerging biological functions of the vaccinia-related kinase (VRK) family. Histology and Histopathology, 2009, 24, 749-59.	0.7	51
36	Vaccinia-related Kinase 1 (VRK1) Is an Upstream Nucleosomal Kinase Required for the Assembly of 53BP1 Foci in Response to Ionizing Radiation-induced DNA Damage. Journal of Biological Chemistry, 2012, 287, 23757-23768.	3.4	50

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37	Identification of a dominant epitope in human vaccinia-related kinase 1 (VRK1) and detection of different intracellular subpopulations. Archives of Biochemistry and Biophysics, 2007, 465, 219-226.	3.0	49
38	Downregulation of VRK1 by p53 in Response to DNA Damage Is Mediated by the Autophagic Pathway. PLoS ONE, 2011, 6, e17320.	2.5	49
39	Identification of Two Isoforms of the Vesicle-Membrane Fusion Protein SNAP-23 in Human Neutrophils and HL-60 Cells. Biochemical and Biophysical Research Communications, 1997, 231, 808-812.	2.1	48
40	JC virus in the pathogenesis of colorectal cancer, an etiological agent or another component in a multistep process?. Virology Journal, 2010, 7, 42.	3.4	46
41	Co-expression of several human syntaxin genes in neutrophils and differentiating HL-60 cells: variant isoforms and detection of syntaxin 1. Journal of Leukocyte Biology, 1999, 65, 397-406.	3.3	42
42	Vaccinia-related kinase 1 (VRK1) confers resistance to DNA-damaging agents in human breast cancer by affecting DNA damage response. Oncotarget, 2014, 5, 1770-1778.	1.8	41
43	The vaccinia virus B1R kinase induces p53 downregulation by an Mdm2-dependent mechanism. Virology, 2004, 328, 254-265.	2.4	40
44	Alteration of the VRK1-p53 autoregulatory loop in human lung carcinomas. Lung Cancer, 2007, 58, 303-309.	2.0	40
45	Cancer as a reprogramming-like disease: Implications in tumor development and treatment. Seminars in Cancer Biology, 2010, 20, 93-97.	9.6	39
46	Differential Inhibitor Sensitivity between Human Kinases VRK1 and VRK2. PLoS ONE, 2011, 6, e23235.	2.5	39
47	VRK2 Inhibits Mitogen-Activated Protein Kinase Signaling and Inversely Correlates with ErbB2 in Human Breast Cancer. Molecular and Cellular Biology, 2010, 30, 4687-4697.	2.3	37
48	Substrate profiling of human vaccinia-related kinases identifies coilin, a Cajal body nuclear protein, as a phosphorylation target with neurological implications. Journal of Proteomics, 2011, 75, 548-560.	2.4	37
49	The Spinal Muscular Atrophy with Pontocerebellar Hypoplasia GeneVRK1Regulates Neuronal Migration through an Amyloid-Î² Precursor Protein-Dependent Mechanism. Journal of Neuroscience, 2015, 35, 936-942.	3.6	36
50	Ligation of CD53/OX44, a Tetraspan Antigen, Induces Homotypic Adhesion Mediated by Specific Cellâ€“Cell Interactions. Cellular Immunology, 1997, 178, 132-140.	3.0	35
51	A Central Role for CK1 in Catalyzing Phosphorylation of the p53 Transactivation Domain at Serine 20 after HHV-6B Viral Infection. Journal of Biological Chemistry, 2008, 283, 28563-28573.	3.4	35
52	VRK1 interacts with p53 forming a basal complex that is activated by UVâ€‰induced DNA damage. FEBS Letters, 2014, 588, 692-700.	2.8	35
53	Reverting p53 activation after recovery of cellular stress to resume with cell cycle progression. Cellular Signalling, 2017, 33, 49-58.	3.6	35
54	Human VRK2 (Vaccinia-related Kinase 2) Modulates Tumor Cell Invasion by Hyperactivation of NFAT1 and Expression of Cyclooxygenase-2. Journal of Biological Chemistry, 2012, 287, 42739-42750.	3.4	34

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55	VRK1 regulates Cajal body dynamics and protects coilin from proteasomal degradation in cell cycle. Scientific Reports, 2015, 5, 10543.	3.3	33
56	Implication of the VRK1 chromatin kinase in the signaling responses to DNA damage: a therapeutic target?. Cellular and Molecular Life Sciences, 2018, 75, 2375-2388.	5.4	33
57	Human JC polyomavirus in normal colorectal mucosa, hyperplastic polyps, sporadic adenomas, and adenocarcinomas in Portugal. Journal of Medical Virology, 2013, 85, 2119-2127.	5.0	32
58	VRK1 and AURKB form a complex that cross inhibit their kinase activity and the phosphorylation of histone H3 in the progression of mitosis. Cellular and Molecular Life Sciences, 2018, 75, 2591-2611.	5.4	32
59	VRK1 phosphorylates and protects NBS1 from ubiquitination and proteasomal degradation in response to DNA damage. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 760-769.	4.1	31
60	The human VRK1 chromatin kinase in cancer biology. Cancer Letters, 2021, 503, 117-128.	7.2	30
61	Interference with p53 functions in human viral infections, a target for novel antiviral strategies?. Reviews in Medical Virology, 2011, 21, 285-300.	8.3	29
62	Physiological activation of human neutrophils down-regulates CD53 cell surface antigen. Journal of Leukocyte Biology, 1998, 63, 699-706.	3.3	28
63	The C/H3 Domain of p300 Is Required to Protect VRK1 and VRK2 from their Downregulation Induced by p53. PLoS ONE, 2008, 3, e2649.	2.5	28
64	Genetic alterations by human papillomaviruses in oncogenesis. FEBS Letters, 1992, 300, 109-113.	2.8	27
65	VRK2 anchors KSR1-MEK1 to endoplasmic reticulum forming a macromolecular complex that compartmentalizes MAPK signaling. Cellular and Molecular Life Sciences, 2012, 69, 3881-3893.	5.4	27
66	Vaccinia Virus B1R Kinase Interacts with JIP1 and Modulates c-Jun-Dependent Signaling. Journal of Virology, 2006, 80, 7667-7675.	3.4	26
67	Olaparib and ionizing radiation trigger a cooperative DNA-damage repair response that is impaired by depletion of the VRK1 chromatin kinase. Journal of Experimental and Clinical Cancer Research, 2019, 38, 203.	8.6	23
68	VRK1 functional insufficiency due to alterations in protein stability or kinase activity of human VRK1 pathogenic variants implicated in neuromotor syndromes. Scientific Reports, 2019, 9, 13381.	3.3	21
69	Differential Cooperation between Regulatory Sequences Required for Human CD53 Gene Expression. Journal of Biological Chemistry, 2001, 276, 35405-35413.	3.4	20
70	Structure, DNaseI hypersensitivity and expression of integrated papilloma virus in the genome of HeLa cells. FEBS Journal, 1987, 165, 393-401.	0.2	19
71	Transient activation of the c-Jun N-terminal kinase (JNK) activity by ligation of the tetraspan CD53 antigen in different cell types. FEBS Journal, 2002, 269, 1012-1021.	0.2	19
72	Molecular detection of human papillomavirus in 594 uterine cervix samples from Moroccan women (147 biopsies and 447 swabs). Journal of Clinical Virology, 2003, 27, 286-295.	3.1	19

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73	Integration site of human papillomavirus type-18 DNA in chromosome band 8q22.1 of C4-1 cervical carcinoma: DNase I hypersensitivity and methylation of cellular flanking sequences. Genes Chromosomes and Cancer, 1994, 9, 28-32.	2.8	18
74	Human papillomavirus DNA in cervical lesions from Morocco and its implications for cancer control. Clinical Microbiology and Infection, 2003, 9, 144-148.	6.0	18
75	VRK1 Phosphorylates Tip60/KAT5 and Is Required for H4K16 Acetylation in Response to DNA Damage. Cancers, 2020, 12, 2986.	3.7	17
76	Tumour-host metabolic interaction and cachexia. FEBS Letters, 1985, 187, 189-192.	2.8	16
77	Papillomavirus integration: Prognostic marker in cervical cancer?. American Journal of Obstetrics and Gynecology, 1997, 176, 1121-1122.	1.3	16
78	Pattern of expression of tetraspanin antigen genes in Burkitt lymphoma cell lines. Clinical and Experimental Immunology, 1998, 113, 346-352.	2.6	16
79	Expression of a new isoform of the tumor susceptibility TSG101 protein lacking a leucine zipper domain in Burkitt lymphoma cell lines. Oncogene, 1999, 18, 2253-2259.	5.9	16
80	Tumour induction of host leucine starvation. FEBS Letters, 1981, 135, 229-231.	2.8	15
81	Complex genomic rearrangement within the 12q15 multiple aberration region induced by integrated human papillomavirus 18 in a cervical carcinoma cell line. , 1997, 19, 114-121.		15
82	Discrimination of biclonal B-cell chronic lymphoproliferative neoplasias by tetraspanin antigen expression. Leukemia, 2005, 19, 1708-1709.	7.2	15
83	Oncogenic Sox2 regulates and cooperates with VRK1 in cell cycle progression and differentiation. Scientific Reports, 2016, 6, 28532.	3.3	14
84	Sensitivity of the kinase activity of human vaccinia-related kinase proteins to toxic metals. Journal of Biological Inorganic Chemistry, 2013, 18, 473-482.	2.6	13
85	Allosteric inhibition of brain hexokinase by glucose 6-phosphate in the reverse reaction. Archives of Biochemistry and Biophysics, 1985, 239, 315-319.	3.0	12
86	Human papillomaviruses in oncogenesis. BioEssays, 1988, 9, 158-162.	2.5	12
87	VRK2 identifies a subgroup of primary high-grade astrocytomas with a better prognosis. BMC Clinical Pathology, 2013, 13, 23.	1.8	12
88	Vrk1. The AFCS-nature Molecule Pages, 0, , .	0.2	12
89	Recurrent integration of papillomavirus DNA within the human 12q14â€“15 uterine breakpoint region in genital carcinomas. , 1998, 23, 55-60.		11
90	Vrk2. The AFCS-nature Molecule Pages, 0, , .	0.2	11

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91	Vrk3. The AFCS-nature Molecule Pages, 0, , .	0.2	11
92	CD53 Antigen and Epidermal Growth Factor Induce Similar Changes in the Pattern of Phorbol Ester Binding in a B Cell Lymphoma. Cellular Immunology, 1996, 169, 107-112.	3.0	10
93	Energetics of tumour cells: enzymic basis of aerobic glycolysis. Biochemical Society Transactions, 1980, 8, 579-579.	3.4	9
94	The human zinc-finger protein-7 gene is located 90 kb 3â€² ofMYC and is not expressed in Burkitt lymphoma cell lines. International Journal of Cancer, 1994, 58, 855-859.	5.1	9
95	VRK1 Depletion Facilitates the Synthetic Lethality of Temozolomide and Olaparib in Glioblastoma Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 683038.	3.7	9
96	Identification of an AMP-activatable pyruvate dehydrogenase isozyme in embryos and tumors. FEBS Letters, 1980, 120, 287-288.	2.8	8
97	Expression of aberrant functional and nonfunctional transcripts of theFHIT gene in Burkitt's lymphomas. , 1999, 25, 55-63.		8
98	Amplification of human genomic sequences by human papillomaviruses universal consensus primers. Journal of Virological Methods, 2000, 87, 171-175.	2.1	8
99	Induction of DNA synthesis by ligation of the CD53 tetraspanin antigen in primary cultures of mesangial cells. Kidney International, 2003, 63, 534-542.	5.2	8
100	VRK1 (Y213H) homozygous mutant impairs Cajal bodies in a hereditary case of distal motor neuropathy. Annals of Clinical and Translational Neurology, 2020, 7, 808-818.	3.7	8
101	Specific inactivation of animal hexokinases by xylose in vitro, in situ and in vivo. FEBS Letters, 1979, 98, 88-90.	2.8	6
102	Shuttle vectors to study somatic mutagenesis and regulation of gene expression in the immune system. Gene, 1985, 39, 147-153.	2.2	6
103	Induction of multiple independent T-cell lymphomas in rats inoculated with MOloney murine leukemia virus.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4269-4272.	7.1	6
104	The human CD53 gene, coding for a four transmembrane domain protein, maps to chromosomal region 1p13. Genomics, 1993, 18, 725-728.	2.9	6
105	Novel Dominant KCNQ2 Exon 7 Partial In-Frame Duplication in a Complex Epileptic and Neurodevelopmental Delay Syndrome. International Journal of Molecular Sciences, 2020, 21, 4447.	4.1	5
106	Lysine Methyltransferase Inhibitors Impair H4K20me2 and 53BP1 Foci in Response to DNA Damage in Sarcomas, a Synthetic Lethality Strategy. Frontiers in Cell and Developmental Biology, 2021, 9, 715126.	3.7	5
107	VRK1. , 2017, , 1-11.		5
108	Involvement of SNAP-23 and syntaxin 6 in human neutrophil exocytosis. Blood, 2000, 96, 2574-2583.	1.4	5

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109	Mitochondrial Membrane-Bound Hexokinase of Ascites Tumor Cells. Functional Implications of Lysine Residues Studied by Modification with Imidoesters. Hoppe-Seyler's Zeitschrift FÃ¼r Physiologische Chemie, 1982, 363, 635-640.	1.6	4
110	Genomic organization, chromosomal localization, alternative splicing, and isoforms of the human synaptosome-associated protein-23 gene implicated in vesicle-membrane fusion processes. Human Genetics, 2001, 108, 211-215.	3.8	4
111	Human TSG101 does not replaceSaccharomyces cerevisiaeVPS23 role in the quality control of plasma membrane proteins. FEMS Microbiology Letters, 2003, 221, 151-154.	1.8	3
112	Is Centrosomal Protein 70, a Centrosomal Protein with New Roles in Breast Cancer Dissemination and Metastasis, a Facilitator of Epithelial-Mesenchymal Transition?. American Journal of Pathology, 2017, 187, 494-497.	3.8	3
113	Pathogenic convergence of CNVs in genes functionally associated to a severe neuromotor developmental delay syndrome. Human Genomics, 2021, 15, 11.	2.9	3
114	Pathogenesis of Viral Infections. New England Journal of Medicine, 1985, 312, 1574-1574.	27.0	2
115	Variant translocations in two Burkitt's lymphoma cell lines are located in theMLV14 locus. Genes Chromosomes and Cancer, 1992, 5, 267-269.	2.8	2
116	HindIII RFLP in the human CD53 gene on 1p13. Human Molecular Genetics, 1994, 3, 1711-1711.	2.9	2
117	Tetraspan transmembrane antigen levels in Burkitt lymphoma cell lines. Leukemia, 1998, 12, 773-773.	7.2	2
118	Dysfunctional Homozygous VRK1-D263G Variant Impairs the Assembly of Cajal Bodies and DNA Damage Response in Hereditary Spastic Paraplegia. Neurology: Genetics, 2021, 7, e624.	1.9	2
119	CANCER CACHEXIA AND PROTEIN METABOLISM. Lancet, The, 1984, 324, 411-412.	13.7	1
120	Loss of the TSG101 leucine zipper domain in aggressive non-Hodgkin's lymphomas. Leukemia, 2000, 14, 2014-2016.	7.2	1
121	VRK2. , 2016, , 1-9.		0
122	VRK1 (Vaccinia-related kinase 1). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2008, , .	0.1	0
123	CD53. The AFCS-nature Molecule Pages, 0, , .	0.2	0
124	Vaccinia-Related Kinase 2. , 2012, , 1955-1955.		0
125	CD53. , 2016, , 1-7.		0
126	VRK1. , 2016, , 1-11.		0

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127	VRK2. , 2017, , 1-9.		0
128	VRK3. , 2017, , 1-4.		0
129	CD53. , 2018, , 930-937.		0
130	VRK3. , 2018, , 5973-5976.		0
131	VRK2. , 2018, , 5965-5973.		0
132	VRK1. , 2018, , 5955-5965.		0
133	Papillomavirus vaccination for prevention and treatment of cervical carcinoma. , 2001, 3, 231-240.		0