

Lorenzo Montanaro

List of Publications by Year in descending order

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74
papers

3,592
citations

172457

29
h-index

138484

58
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75
all docs

75
docs citations

75
times ranked

5037
citing authors

#	ARTICLE	IF	CITATIONS
1	The translation factor eIF-4E promotes tumor formation and cooperates with c-Myc in lymphomagenesis. <i>Nature Medicine</i> , 2004, 10, 484-486.	30.7	536
2	Nucleolus, Ribosomes, and Cancer. <i>American Journal of Pathology</i> , 2008, 173, 301-310.	3.8	380
3	What the nucleolus says to a tumour pathologist. <i>Histopathology</i> , 2009, 54, 753-762.	2.9	204
4	Ribosome Biogenesis and Control of Cell Proliferation: p53 Is Not Alone. <i>Cancer Research</i> , 2012, 72, 1602-1607.	0.9	154
5	The Ribosome Biogenesisâ€”Cancer Connection. <i>Cells</i> , 2019, 8, 55.	4.1	150
6	Loss of Function of the Tumor Suppressor DKC1 Perturbs p27 Translation Control and Contributes to Pituitary Tumorigenesis. <i>Cancer Research</i> , 2010, 70, 6026-6035.	0.9	145
7	Dyskerin expression influences the level of ribosomal RNA pseudo-uridylation and telomerase RNA component in human breast cancer. <i>Journal of Pathology</i> , 2006, 210, 10-18.	4.5	99
8	Novel Dyskerin-Mediated Mechanism of p53 Inactivation through Defective mRNA Translation. <i>Cancer Research</i> , 2010, 70, 4767-4777.	0.9	95
9	The balance between rRNA and ribosomal protein synthesis up- and downregulates the tumour suppressor p53 in mammalian cells. <i>Oncogene</i> , 2011, 30, 3274-3288.	5.9	92
10	Ribosome biogenesis and cancer. <i>Acta Histochemica</i> , 2017, 119, 190-197.	1.8	92
11	Carnitine-Acyltransferase System Inhibition, Cancer Cell Death, and Prevention of Myc-Induced Lymphomagenesis. <i>Journal of the National Cancer Institute</i> , 2013, 105, 489-498.	6.3	87
12	Selective inhibition of rRNA transcription downregulates E2F-1: a new p53-independent mechanism linking cell growth to cell proliferation. <i>Journal of Cell Science</i> , 2011, 124, 3017-3028.	2.0	77
13	Interleukin 6 downregulates p53 expression and activity by stimulating ribosome biogenesis: a new pathway connecting inflammation to cancer. <i>Oncogene</i> , 2014, 33, 4396-4406.	5.9	77
14	High prevalence of retinoblastoma protein loss in triple-negative breast cancers and its association with a good prognosis in patients treated with adjuvant chemotherapy. <i>Annals of Oncology</i> , 2009, 20, 1818-1823.	1.2	75
15	Turning Uridines around: Role of rRNA Pseudouridylation in Ribosome Biogenesis and Ribosomal Function. <i>Biomolecules</i> , 2018, 8, 38.	4.0	73
16	RNA Pseudouridylation in Physiology and Medicine: For Better and for Worse. <i>Genes</i> , 2017, 8, 301.	2.4	71
17	Nucleolar Size and Activity Are Related to pRb and p53 Status in Human Breast Cancer. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 1601-1607.	2.5	67
18	Changes in ribosome biogenesis may induce cancer by down-regulating the cell tumor suppressor potential. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012, 1825, 101-110.	7.4	57

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19	Human ribosomes from cells with reduced dyskerin levels are intrinsically altered in translation. <i>FASEB Journal</i> , 2015, 29, 3472-3482.	0.5	57
20	Dyskerin depletion increases VEGF mRNA internal ribosome entry site-mediated translation. <i>Nucleic Acids Research</i> , 2013, 41, 8308-8318.	14.5	50
21	Loss of Retinoblastoma Tumor Suppressor Protein Makes Human Breast Cancer Cells More Sensitive to Antimetabolite Exposure. <i>Clinical Cancer Research</i> , 2008, 14, 2199-2209.	7.0	46
22	Different effects of ribosome biogenesis inhibition on cell proliferation in retinoblastoma protein-deficient and p53-deficient and proficient human osteosarcoma cell lines. <i>Cell Proliferation</i> , 2007, 40, 532-549.	5.3	45
23	Direct relationship between the level of p53 stabilization induced by rRNA synthesis-inhibiting drugs and the cell ribosome biogenesis rate. <i>Oncogene</i> , 2016, 35, 977-989.	5.9	44
24	Loss of Proteostasis Is a Pathomechanism in Cockayne Syndrome. <i>Cell Reports</i> , 2018, 23, 1612-1619.	6.4	42
25	Dyskerin and cancer: more than telomerase. The defect in mRNA translation helps in explaining how a proliferative defect leads to cancer. <i>Journal of Pathology</i> , 2010, 222, 345-349.	4.5	40
26	How Altered Ribosome Production Can Cause or Contribute to Human Disease: The Spectrum of Ribosomopathies. <i>Cells</i> , 2020, 9, 2300.	4.1	38
27	Key role of the achievement of an appropriate ribosomal RNA complement for G1-S phase transition in H4-II-E-C3 rat hepatoma cells. <i>Journal of Cellular Physiology</i> , 2005, 202, 483-491.	4.1	36
28	SnoRNA U50 Levels Are Regulated by Cell Proliferation and rRNA Transcription. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14923-14935.	4.1	34
29	Relationship between dyskerin expression and telomerase activity in human breast cancer. <i>Cellular Oncology</i> , 2008, 30, 483-90.	1.9	33
30	Dyskerin and TERC expression may condition survival in lung cancer patients. <i>Oncotarget</i> , 2015, 6, 21755-21760.	1.8	31
31	A reconstituted cell-free assay for the evaluation of the intrinsic activity of purified human ribosomes. <i>Nature Protocols</i> , 2016, 11, 1309-1325.	12.0	29
32	Prognostic relevance of a novel semiquantitative classification of Bcl2 immunohistochemical expression in human infiltrating ductal carcinomas of the breast. <i>Annals of Oncology</i> , 2007, 18, 1004-1014.	1.2	28
33	Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism. <i>Nucleic Acids Research</i> , 2020, 48, 770-787.	14.5	28
34	Inhibition of Human Dyskerin as a New Approach to Target Ribosome Biogenesis. <i>PLoS ONE</i> , 2014, 9, e101971.	2.5	27
35	Initiation of mRNA Translation in Oncogenesis: The Role of eIF4E. <i>Cell Cycle</i> , 2004, 3, 1387-1389.	2.6	26
36	Increased Mortality Rate and Not Impaired Ribosomal Biogenesis is Responsible for Proliferative Defect in Dyskeratosis Congenita Cell Lines. <i>Journal of Investigative Dermatology</i> , 2002, 118, 193-198.	0.7	25

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37	A combination of eicosapentaenoic acid-free fatty acid, epigallocatechin-3-gallate and proanthocyanidins has a strong effect on mTOR signaling in colorectal cancer cells. <i>Carcinogenesis</i> , 2014, 35, 2314-2320.	2.8	25
38	Beta-Catenin/HuR Post-Transcriptional Machinery Governs Cancer Stem Cell Features in Response to Hypoxia. <i>PLoS ONE</i> , 2013, 8, e80742.	2.5	24
39	The p53 codon 72 proline allele is endowed with enhanced cell-death inducing potential in cancer cells exposed to hypoxia. <i>British Journal of Cancer</i> , 2007, 96, 1302-1308.	6.4	23
40	Desmoplastic Small Round- Cell Tumor: A Case Report on the Large Cell Variant with Immunohistochemical, Ultrastructural, and Molecular Genetic Analysis. <i>Ultrastructural Pathology</i> , 2000, 24, 333-337.	0.9	22
41	The nucleolar size is associated to the methylation status of ribosomal DNA in breast carcinomas. <i>BMC Cancer</i> , 2014, 14, 361.	2.6	22
42	DKC1 Overexpression Induces a More Aggressive Cellular Behavior and Increases Intrinsic Ribosomal Activity in Immortalized Mammary Gland Cells. <i>Cancers</i> , 2020, 12, 3512.	3.7	21
43	The importance of being (slightly) modified: The role of rRNA editing on gene expression control and its connections with cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 330-338.	7.4	20
44	The p53-mediated sensitivity of cancer cells to chemotherapeutic agents is conditioned by the status of the retinoblastoma protein. <i>Journal of Pathology</i> , 2009, 219, 373-382.	4.5	19
45	Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. <i>Oncotarget</i> , 2017, 8, 37091-37103.	1.8	19
46	The emerging role of RNA polymerase I transcription machinery in human malignancy: a clinical perspective. <i>OncoTargets and Therapy</i> , 2013, 6, 909.	2.0	18
47	JHDM1B expression regulates ribosome biogenesis and cancer cell growth in a p53 dependent manner. <i>International Journal of Cancer</i> , 2015, 136, E272-81.	5.1	16
48	DKC1 gene mutations in human sporadic cancer. <i>Histology and Histopathology</i> , 2013, 28, 365-72.	0.7	16
49	Therapeutic dosages of aspirin counteract the IL-6 induced pro-tumorigenic effects by slowing down the ribosome biogenesis rate. <i>Oncotarget</i> , 2016, 7, 63226-63241.	1.8	15
50	p120 expression provides a reliable indication of the rapidity of cell duplication in cancer cells independently of tumour origin. <i>Journal of Pathology</i> , 2000, 192, 216-220.	4.5	14
51	Healthy Early Preantral Follicle Can Be Obtained in a Culture of Frozen-Thawed Human Ovarian Tissue of 32 Weeks. <i>Ultrastructural Pathology</i> , 2007, 31, 257-262.	0.9	14
52	Current Practice in Bicistronic IRES Reporter Use: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5193.	4.1	11
53	Location of rRNA Transcription to the Nucleolar Components: Disappearance of the Fibrillar Centers in Nucleoli of Regenerating Rat Hepatocytes. <i>Cell Structure and Function</i> , 2011, 36, 49-56.	1.1	10
54	The pre-existing population of 5S rRNA effects p53 stabilization during ribosome biogenesis inhibition. <i>Oncotarget</i> , 2017, 8, 4257-4267.	1.8	10

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55	Targeted inhibition of NMYC by peptide nucleic acid in N-myc amplified human neuroblastoma cells: cell-cycle inhibition with induction of neuronal cell differentiation and apoptosis. <i>International Journal of Oncology</i> , 2004, 24, 265.	3.3	9
56	p53-dependent and p53-independent anticancer activity of a new indole derivative in human osteosarcoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 348-353.	2.1	9
57	Evaluation of Thymidylate Synthase Protein Expression by Western Blotting and Immunohistochemistry on Human Colon Carcinoma Xenografts in Nude Mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1633-1640.	2.5	8
58	5â€™-Untranslated region of heat shock protein 70 mRNA drives translation under hypertonic conditions. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 321-325.	2.1	8
59	RiboAbacus: a model trained on polyribosome images predicts ribosome density and translational efficiency from mammalian transcriptomes. <i>Nucleic Acids Research</i> , 2015, 43, e153-e153.	14.5	8
60	Dyskerin expression in human fetal, adult and neoplastic intrahepatic bile ducts: correlations with cholangiocarcinoma aggressiveness. <i>Histopathology</i> , 2015, 66, 244-251.	2.9	8
61	Alternative Overexpression of NRF2 or MYC Defines a Subgroup of Poor Prognosis Acute Myeloid Leukemia and Suggests a Novel Therapeutic Strategy By Combined Bromodomain Inhibition and Forced NRF2 Pathway Activation. <i>Blood</i> , 2018, 132, 2639-2639.	1.4	8
62	Separated Siamese Twins: Intronic Small Nucleolar RNAs and Matched Host Genes May be Altered in Conjunction or Separately in Multiple Cancer Types. <i>Cells</i> , 2020, 9, 387.	4.1	7
63	Ribosomal RNA Pseudouridylation: Will Newly Available Methods Finally Define the Contribution of This Modification to Human Ribosome Plasticity?. <i>Frontiers in Genetics</i> , 0, 13, .	2.3	6
64	Combined expression levels of KDM2A and KDM2B correlate with nucleolar size and prognosis in primary breast carcinomas. <i>Histology and Histopathology</i> , 2020, 35, 1181-1187.	0.7	4
65	Cap-independent protein synthesis is enhanced by betaine under hypertonic conditions. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 936-940.	2.1	3
66	Primer extension coupled with fragment analysis for rapid and quantitative evaluation of 5.8S rRNA isoforms. <i>PLoS ONE</i> , 2021, 16, e0261476.	2.5	3
67	Selective inhibition of rRNA transcription downregulates E2F-1: a new p53-independent mechanism linking cell growth to cell proliferation. <i>Development (Cambridge)</i> , 2011, 138, e1808-e1808.	2.5	1
68	Cell Proliferation Activity of Oesophageal Squamous Epithelium in Erd is Reduced Compared to NERD. <i>Gastroenterology</i> , 2011, 140, S-621.	1.3	0
69	Clinicopathological, Molecular and Oncological Features of Sporadic Early Onset Colorectal Cancers. <i>Gastroenterology</i> , 2017, 152, S550.	1.3	0
70	Cell proliferation of esophageal squamous epithelium in erosive and non-erosive reflux disease. <i>World Journal of Gastroenterology</i> , 2011, 17, 4496.	3.3	0
71	Abstract 5145: KDM2B expression regulates ribosome biogenesis and cancer cell growth in a p53-dependent manner. , 2014, , .		0
72	Abstract A15: Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. , 2017, , .		0

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73	Abstract 260: Bromodomain and extra-terminal motif proteins regulate linear and circular PVT1 in acute myeloid leukemia cells under normoxia and hypoxia. , 2020, , .		0
74	Exploitation of the ribosomal protein L10 R98S mutation to enhance recombinant protein production in mammalian cells. Engineering in Life Sciences, 2022, 22, 100-114.	3.6	0