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 g-index
75 all docs	75 docs citations	75 times ranked	5037 citing authors

#	Article	IF	Citations
1	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
2	Current Practice in Bicistronic IRES Reporter Use: A Systematic Review. International Journal of Molecular Sciences, 2021, 22, 5193.	4.1	11
3	Primer extension coupled with fragment analysis for rapid and quantitative evaluation of 5.8S rRNA isoforms. PLoS ONE, 2021, 16, e0261476.	2.5	3
4	Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism. Nucleic Acids Research, 2020, 48, 770-787.	14.5	28
5	How Altered Ribosome Production Can Cause or Contribute to Human Disease: The Spectrum of Ribosomopathies. Cells, 2020, 9, 2300.	4.1	38
6	DKC1 Overexpression Induces a More Aggressive Cellular Behavior and Increases Intrinsic Ribosomal Activity in Immortalized Mammary Gland Cells. Cancers, 2020, 12, 3512.	3.7	21
7	Separated Siamese Twins: Intronic Small Nucleolar RNAs and Matched Host Genes May be Altered in Conjunction or Separately in Multiple Cancer Types. Cells, 2020, 9, 387.	4.1	7
8	Combined expression levels of KDM2A and KDM2B correlate with nucleolar size and prognosis in primary breast carcinomas. Histology and Histopathology, 2020, 35, 1181-1187.	0.7	4
9	Abstract 260: Bromodomain and extra-terminal motif proteins regulate linear and circular PVT1 in acute myeloid leukemia cells under normoxia and hypoxia. , 2020, , .		0
10	The Ribosome Biogenesisâ€"Cancer Connection. Cells, 2019, 8, 55.	4.1	150
11	Turning Uridines around: Role of rRNA Pseudouridylation in Ribosome Biogenesis and Ribosomal Function. Biomolecules, 2018, 8, 38.	4.0	73
12	Loss of Proteostasis Is a Pathomechanism in Cockayne Syndrome. Cell Reports, 2018, 23, 1612-1619.	6.4	42
13	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. Blood, 2018, 132, 2639-2639.	1.4	8
14	Cap-independent protein synthesis is enhanced by betaine under hypertonic conditions. Biochemical and Biophysical Research Communications, 2017, 483, 936-940.	2.1	3
15	Ribosome biogenesis and cancer. Acta Histochemica, 2017, 119, 190-197.	1.8	92
16	Clinicopathological, Molecular and Oncological Features of Sporadic Early Onset Colorectal Cancers. Gastroenterology, 2017, 152, S550.	1.3	0
17	RNA Pseudouridylation in Physiology and Medicine: For Better and for Worse. Genes, 2017, 8, 301.	2.4	71
18	The pre-existing population of 5S rRNA effects p53 stabilization during ribosome biogenesis inhibition. Oncotarget, 2017, 8, 4257-4267.	1.8	10

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19	Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. Oncotarget, 2017, 8, 37091-37103.	1.8	19
20	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
21	The importance of being (slightly) modified: The role of rRNA editing on gene expression control and its connections with cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1866, 330-338.	7.4	20
22	A reconstituted cell-free assay for the evaluation of the intrinsic activity of purified human ribosomes. Nature Protocols, 2016, 11, 1309-1325.	12.0	29
23	Direct relationship between the level of p53 stabilization induced by rRNA synthesis-inhibiting drugs and the cell ribosome biogenesis rate. Oncogene, 2016, 35, 977-989.	5.9	44
24	Therapeutic dosages of aspirin counteract the IL-6 induced pro-tumorigenic effects by slowing down the ribosome biogenesis rate. Oncotarget, 2016, 7, 63226-63241.	1.8	15
25	RiboAbacus: a model trained on polyribosome images predicts ribosome density and translational efficiency from mammalian transcriptomes. Nucleic Acids Research, 2015, 43, e153-e153.	14.5	8
26	JHDM1B expression regulates ribosome biogenesis and cancer cell growth in a p53 dependent manner. International Journal of Cancer, 2015, 136, E272-81.	5.1	16
27	Human ribosomes from cells with reduced dyskerin levels are intrinsically altered in translation. FASEB Journal, 2015, 29, 3472-3482.	0.5	57
28	p53-dependent and p53-independent anticancer activity of a new indole derivative in human osteosarcoma cells. Biochemical and Biophysical Research Communications, 2015, 467, 348-353.	2.1	9
29	Dyskerin expression in human fetal, adult and neoplastic intrahepatic bile ducts: correlations with cholangiocarcinoma aggressiveness. Histopathology, 2015, 66, 244-251.	2.9	8
30	Dyskerin and TERC expression may condition survival in lung cancer patients. Oncotarget, 2015, 6, 21755-21760.	1.8	31
31	Inhibition of Human Dyskerin as a New Approach to Target Ribosome Biogenesis. PLoS ONE, 2014, 9, e101971.	2.5	27
32	Interleukin 6 downregulates p53 expression and activity by stimulating ribosome biogenesis: a new pathway connecting inflammation to cancer. Oncogene, 2014, 33, 4396-4406.	5.9	77
33	A combination of eicosapentaenoic acid-free fatty acid, epigallocatechin-3-gallate and proanthocyanidins has a strong effect on mTOR signaling in colorectal cancer cells. Carcinogenesis, 2014, 35, 2314-2320.	2.8	25
34	The nucleolar size is associated to the methylation status of ribosomal DNA in breast carcinomas. BMC Cancer, 2014, 14, 361.	2.6	22
35	Abstract 5145: KDM2B expression regulates ribosome biogenesis and cancer cell growth in a p53-dependent manner. , 2014, , .		0
36	5â€²-Untranslated region of heat shock protein 70 mRNA drives translation under hypertonic conditions. Biochemical and Biophysical Research Communications, 2013, 431, 321-325.	2.1	8

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37	SnoRNA U50 Levels Are Regulated by Cell Proliferation and rRNA Transcription. International Journal of Molecular Sciences, 2013, 14, 14923-14935.	4.1	34
38	Dyskerin depletion increases VEGF mRNA internal ribosome entry site-mediated translation. Nucleic Acids Research, 2013, 41, 8308-8318.	14.5	50
39	Carnitine-Acyltransferase System Inhibition, Cancer Cell Death, and Prevention of Myc-Induced Lymphomagenesis. Journal of the National Cancer Institute, 2013, 105, 489-498.	6.3	87
40	The emerging role of RNA polymerase I transcription machinery in human malignancy: a clinical perspective. OncoTargets and Therapy, 2013, 6, 909.	2.0	18
41	Beta-Catenin/HuR Post-Transcriptional Machinery Governs Cancer Stem Cell Features in Response to Hypoxia. PLoS ONE, 2013, 8, e80742.	2.5	24
42	DKC1 gene mutations in human sporadic cancer. Histology and Histopathology, 2013, 28, 365-72.	0.7	16
43	Ribosome Biogenesis and Control of Cell Proliferation: p53 Is Not Alone. Cancer Research, 2012, 72, 1602-1607.	0.9	154
44	Changes in ribosome biogenesis may induce cancer by down-regulating the cell tumor suppressor potential. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1825, 101-110.	7.4	57
45	Cell Proliferation Activity of Oesophageal Squamous Epithelium in Erd is Reduced Compared to NERD. Gastroenterology, 2011, 140, S-621.	1.3	0
46	The balance between rRNA and ribosomal protein synthesis up- and downregulates the tumour suppressor p53 in mammalian cells. Oncogene, 2011, 30, 3274-3288.	5.9	92
47	Selective inhibition of rRNA transcription downregulates E2F-1: a new p53-independent mechanism linking cell growth to cell proliferation. Journal of Cell Science, 2011, 124, 3017-3028.	2.0	77
48	Location of rRNA Transcription to the Nucleolar Components: Disappearance of the Fibrillar Centers in Nucleoli of Regenerating Rat Hepatocytes. Cell Structure and Function, 2011, 36, 49-56.	1.1	10
49	Cell proliferation of esophageal squamous epithelium in erosive and non-erosive reflux disease. World Journal of Gastroenterology, 2011, 17, 4496.	3.3	0
50	Selective inhibition of rRNA transcription downregulates E2F-1: a new p53-independent mechanism linking cell growth to cell proliferation. Development (Cambridge), 2011, 138, e1808-e1808.	2.5	1
51	Dyskerin and cancer: more than telomerase. The defect in mRNA translation helps in explaining how a proliferative defect leads to cancer. Journal of Pathology, 2010, 222, 345-349.	4.5	40
52	Novel Dyskerin-Mediated Mechanism of p53 Inactivation through Defective mRNA Translation. Cancer Research, 2010, 70, 4767-4777.	0.9	95
53	Loss of Function of the Tumor Suppressor DKC1 Perturbs p27 Translation Control and Contributes to Pituitary Tumorigenesis. Cancer Research, 2010, 70, 6026-6035.	0.9	145
54	High prevalence of retinoblastoma protein loss in triple-negative breast cancers and its association with a good prognosis in patients treated with adjuvant chemotherapy. Annals of Oncology, 2009, 20, 1818-1823.	1.2	75

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55	The p53â€mediated sensitivity of cancer cells to chemotherapeutic agents is conditioned by the status of the retinoblastoma protein. Journal of Pathology, 2009, 219, 373-382.	4.5	19
56	What the nucleolus says to a tumour pathologist. Histopathology, 2009, 54, 753-762.	2.9	204
57	Nucleolus, Ribosomes, and Cancer. American Journal of Pathology, 2008, 173, 301-310.	3.8	380
58	Loss of Retinoblastoma Tumor Suppressor Protein Makes Human Breast Cancer Cells More Sensitive to Antimetabolite Exposure. Clinical Cancer Research, 2008, 14, 2199-2209.	7.0	46
59	Relationship between dyskerin expression and telomerase activity in human breast cancer. Cellular Oncology, 2008, 30, 483-90.	1.9	33
60	The p53 codon 72 proline allele is endowed with enhanced cell-death inducing potential in cancer cells exposed to hypoxia. British Journal of Cancer, 2007, 96, 1302-1308.	6.4	23
61	Prognostic relevance of a novel semiquantitative classification of Bcl2 immunohistochemical expression in human infiltrating ductal carcinomas of the breast. Annals of Oncology, 2007, 18, 1004-1014.	1.2	28
62	Healthy Early Preantral Follicle Can Be Obtained in a Culture of Frozenâ€“Thawed Human Ovarian Tissue of 32 Weeks. Ultrastructural Pathology, 2007, 31, 257-262.	0.9	14
63	Different effects of ribosome biogenesis inhibition on cell proliferation in retinoblastoma proteinâ€• and p53â€deficient and proficient human osteosarcoma cell lines. Cell Proliferation, 2007, 40, 532-549.	5.3	45
64	Dyskerin expression influences the level of ribosomal RNA pseudo-uridylation and telomerase RNA component in human breast cancer. Journal of Pathology, 2006, 210, 10-18.	4.5	99
65	Key role of the achievement of an appropriate ribosomal RNA complement for G1-S phase transition in H4-II-E-C3 rat hepatoma cells. Journal of Cellular Physiology, 2005, 202, 483-491.	4.1	36
66	Initiation of mRNA Translation in Oncogenesis: The Role of eIF4E. Cell Cycle, 2004, 3, 1387-1389.	2.6	26
67	Nucleolar Size and Activity Are Related to pRb and p53 Status in Human Breast Cancer. Journal of Histochemistry and Cytochemistry, 2004, 52, 1601-1607.	2.5	67
68	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. International Journal of Oncology, 2004, 24, 265.	3.3	9
69	The translation factor eIF-4E promotes tumor formation and cooperates with c-Myc in lymphomagenesis. Nature Medicine, 2004, 10, 484-486.	30.7	536
70	Evaluation of Thymidylate Synthase Protein Expression by Western Blotting and Immunohistochemistry on Human Colon Carcinoma Xenografts in Nude Mice. Journal of Histochemistry and Cytochemistry, 2002, 50, 1633-1640.	2.5	8
71	Increased Mortality Rate and Not Impaired Ribosomal Biogenesis is Responsible for Proliferative Defect in Dyskeratosis Congenita Cell Lines. Journal of Investigative Dermatology, 2002, 118, 193-198.	0.7	25
72	p120 expression provides a reliable indication of the rapidity of cell duplication in cancer cells independently of tumour origin. Journal of Pathology, 2000, 192, 216-220.	4.5	14

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73	Desmoplastic Small Round- Cell Tumor: A Case Report on the Large Cell Variant with Immunohistochemical, Ultrastructural, and Molecular Genetic Analysis. Ultrastructural Pathology, 2000, 24, 333-337.	0.9	22
74	Ribosomal RNA Pseudouridylation: Will Newly Available Methods Finally Define the Contribution of This Modification to Human Ribosome Plasticity?. Frontiers in Genetics, 0, 13, .	2.3	6