

Alessandro Quattrone

List of Publications by Year in descending order

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120
papers

5,033
citations

101543

36
h-index

106344

65
g-index

136
all docs

136
docs citations

136
times ranked

9359
citing authors

#	ARTICLE	IF	CITATIONS
1	The BioMart community portal: an innovative alternative to large, centralized data repositories. <i>Nucleic Acids Research</i> , 2015, 43, W589-W598.	14.5	682
2	Metabolomics: Available Results, Current Research Projects in Breast Cancer, and Future Applications. <i>Journal of Clinical Oncology</i> , 2007, 25, 2840-2846.	1.6	217
3	Curcumin Activates Defensive Genes and Protects Neurons Against Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 395-403.	5.4	178
4	Increase of the RNA-binding protein HuD and posttranscriptional up-regulation of the GAP-43 gene during spatial memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1217-1222.	7.1	169
5	Neuronal ELAV proteins enhance mRNA stability by a PKC α -dependent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12065-12070.	7.1	132
6	Global alterations in mRNA polysomal recruitment in a cell model of colorectal cancer progression to metastasis. <i>Carcinogenesis</i> , 2006, 27, 1323-1333.	2.8	131
7	Posttranscriptional regulation of gene expression in learning by the neuronal ELAV-like mRNA-stabilizing proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11668-11673.	7.1	128
8	Defining a neuron: neuronal ELAV proteins. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 128-140.	5.4	128
9	A Novel Mutation in the Upstream Open Reading Frame of the CDKN1B Gene Causes a MEN4 Phenotype. <i>PLoS Genetics</i> , 2013, 9, e1003350.	3.5	125
10	Widespread uncoupling between transcriptome and translome variations after a stimulus in mammalian cells. <i>BMC Genomics</i> , 2012, 13, 220.	2.8	113
11	A conserved AU-rich element in the 3' untranslated region of <i>bcl-2</i> mRNA is endowed with a destabilizing function that is involved in <i>bcl-2</i> down-regulation during apoptosis. <i>FASEB Journal</i> , 2000, 14, 174-184.	0.5	105
12	Viability and neuronal differentiation of neural stem cells encapsulated in silk fibroin hydrogel functionalized with an IKVAV peptide. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1532-1541.	2.7	101
13	Association between the HOXA1 A218G polymorphism and increased head circumference in patients with autism. <i>Biological Psychiatry</i> , 2004, 55, 413-419.	1.3	94
14	Spatial learning induced changes in expression of the ryanodine type II receptor in the rat hippocampus. <i>FASEB Journal</i> , 2000, 14, 290-300.	0.5	93
15	A role for the ELAV RNA-binding proteins in neural stem cells: stabilization of Msi1 mRNA. <i>Journal of Cell Science</i> , 2006, 119, 1442-1452.	2.0	89
16	In Vivo Translatome Profiling in Spinal Muscular Atrophy Reveals a Role for SMN Protein in Ribosome Biology. <i>Cell Reports</i> , 2017, 21, 953-965.	6.4	89
17	The Role of miR-103 and miR-107 in Regulation of CDK5R1 Expression and in Cellular Migration. <i>PLoS ONE</i> , 2011, 6, e20038.	2.5	86
18	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015, 6, 8261.	12.8	73

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19	The Common \hat{r} 866G/A Polymorphism in the Promoter Region of the UCP-2 Gene Is Associated with Reduced Risk of Type 2 Diabetes in Caucasians from Italy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1176-1180.	3.6	72
20	AURA 2. Translation, 2014, 2, e27738.	2.9	71
21	SRSF2 mutations drive oncogenesis by activating a global program of aberrant alternative splicing in hematopoietic cells. <i>Leukemia</i> , 2018, 32, 2659-2671.	7.2	68
22	Regulation of HuR structure and function by dihydrotanshinone-I. <i>Nucleic Acids Research</i> , 2017, 45, 9514-9527.	14.5	64
23	Downregulation of HuR as a new mechanism of doxorubicin resistance in breast cancer cells. <i>Molecular Cancer</i> , 2012, 11, 13.	19.2	63
24	Different involvement of type 1, 2, and 3 ryanodine receptors in memory processes. <i>Learning and Memory</i> , 2008, 15, 315-323.	1.3	60
25	Post-transcriptional Regulation of Neuro-oncological Ventral Antigen 1 by the Neuronal RNA-binding Proteins ELAV. <i>Journal of Biological Chemistry</i> , 2008, 283, 7531-7541.	3.4	56
26	nELAV Proteins Alteration in Alzheimer's Disease Brain: A Novel Putative Target for Amyloid- $\hat{2}$ Reverberating on A $\hat{2}$ PP Processing. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 409-419.	2.6	56
27	Ythdf is a N6-methyladenosine reader that modulates Fmr1 target mRNA selection and restricts axonal growth in <i>Drosophila</i> . <i>EMBO Journal</i> , 2021, 40, e104975.	7.8	56
28	SMN-primed ribosomes modulate the translation of transcripts related to spinal muscular atrophy. <i>Nature Cell Biology</i> , 2020, 22, 1239-1251.	10.3	52
29	Functional analysis of CDKN2A/p16INK4a 5' UTR variants predisposing to melanoma. <i>Human Molecular Genetics</i> , 2010, 19, 1479-1491.	2.9	51
30	Active Ribosome Profiling with RiboLace. <i>Cell Reports</i> , 2018, 25, 1097-1108.e5.	6.4	51
31	HuD Is a Neural Translation Enhancer Acting on mTORC1-Responsive Genes and Counteracted by the Y3 Small Non-coding RNA. <i>Molecular Cell</i> , 2018, 71, 256-270.e10.	9.7	51
32	Vitamin E protects human skeletal muscle from damage during surgical ischemia-reperfusion. <i>American Journal of Surgery</i> , 1997, 173, 206-209.	1.8	49
33	Genipin-crosslinked gelatin-silk fibroin hydrogels for modulating the behaviour of pluripotent cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 876-887.	2.7	49
34	Influence of scaffold pore size on collagen I development: A new in vitro evaluation perspective. <i>Journal of Bioactive and Compatible Polymers</i> , 2013, 28, 16-32.	2.1	48
35	Antiproliferative activity of melatonin by transcriptional inhibition of cyclin D1 expression: a molecular basis for melatonin-induced oncostatic effects. <i>Journal of Pineal Research</i> , 2005, 39, 12-20.	7.4	47
36	Three distinct ribosome assemblies modulated by translation are the building blocks of polysomes. <i>Journal of Cell Biology</i> , 2015, 208, 581-596.	5.2	44

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37	Ultrasensitive detection of cancer biomarkers by nickel-based isolation of polydisperse extracellular vesicles from blood. <i>EBioMedicine</i> , 2019, 43, 114-126.	6.1	40
38	Identification and dynamic changes of RNAs isolated from RALY-containing ribonucleoprotein complexes. <i>Nucleic Acids Research</i> , 2017, 45, 6775-6792.	14.5	39
39	Hyper conserved elements in vertebrate mRNA 3' UTRs reveal a translational network of RNA-binding proteins controlled by HuR. <i>Nucleic Acids Research</i> , 2013, 41, 3201-3216.	14.5	38
40	The Architecture of the Human RNA-Binding Protein Regulatory Network. <i>IScience</i> , 2019, 21, 706-719.	4.1	35
41	Enhanced microbial diversity in the saliva microbiome induced by short-term probiotic intake revealed by 16S rRNA sequencing on the IonTorrent PGM platform. <i>Journal of Biotechnology</i> , 2014, 190, 30-39.	3.8	34
42	Inhibition of mitochondrial translation suppresses glioblastoma stem cell growth. <i>Cell Reports</i> , 2021, 35, 109024.	6.4	33
43	Paramagnetism-Based Refinement Strategy for the Solution Structure of Human β -Parvalbumin. <i>Biochemistry</i> , 2004, 43, 5562-5573.	2.5	32
44	PKC-mediated HuD-GAP43 pathway activation in a mouse model of antiretroviral painful neuropathy. <i>Pharmacological Research</i> , 2014, 81, 44-53.	7.1	30
45	Solution Structure of Human β -Parvalbumin and Structural Comparison with Its Paralog α -Parvalbumin and with Their Rat Orthologs. <i>Biochemistry</i> , 2004, 43, 16076-16085.	2.5	29
46	TP-0903 inhibits neuroblastoma cell growth and enhances the sensitivity to conventional chemotherapy. <i>European Journal of Pharmacology</i> , 2018, 818, 435-448.	3.5	29
47	Cancer cell metabolic plasticity allows resistance to NAMPT inhibition but invariably induces dependence on LDHA. <i>Cancer & Metabolism</i> , 2018, 6, 1.	5.0	29
48	Screening Approaches for Targeting Ribonucleoprotein Complexes: A New Dimension for Drug Discovery. <i>SLAS Discovery</i> , 2019, 24, 314-331.	2.7	29
49	MIR-NATs repress MAPT translation and aid proteostasis in neurodegeneration. <i>Nature</i> , 2021, 594, 117-123.	27.8	29
50	Synergistic Effect of L-Carnosine and EGCG in the Prevention of Physiological Brain Aging. <i>Current Pharmaceutical Design</i> , 2013, 19, 2722-2727.	1.9	29
51	A prokaryotic superoxide dismutase paralog lacking two Cu ligands: From largely unstructured in solution to ordered in the crystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7541-7546.	7.1	28
52	Principal Component Analysis of the Conformational Freedom within the EF-Hand Superfamily. <i>Journal of Proteome Research</i> , 2005, 4, 1961-1971.	3.7	28
53	A High-Content Screening of Anticancer Compounds Suggests the Multiple Tyrosine Kinase Inhibitor Ponatinib for Repurposing in Neuroblastoma Therapy. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1405-1415.	4.1	25
54	LIN28B increases neural crest cell migration and leads to transformation of trunk sympathoadrenal precursors. <i>Cell Death and Differentiation</i> , 2020, 27, 1225-1242.	11.2	25

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55	The RNA-binding protein HuD promotes spinal GAP43 overexpression in antiretroviral-induced neuropathy. <i>Experimental Neurology</i> , 2014, 261, 343-353.	4.1	24
56	Blockade of clomipramine and amitriptyline analgesia by an antisense oligonucleotide to mKv1.1, a mouse Shaker-like K ⁺ channel. <i>European Journal of Pharmacology</i> , 1997, 330, 15-25.	3.5	23
57	Antisense "knockdowns"™ of M1 receptors induces transient anterograde amnesia in mice. <i>Neuropharmacology</i> , 1999, 38, 339-348.	4.1	23
58	TrkA is amplified in malignant melanoma patients and induces an anti-proliferative response in cell lines. <i>BMC Cancer</i> , 2015, 15, 777.	2.6	23
59	AURA: Atlas of UTR Regulatory Activity. <i>Bioinformatics</i> , 2012, 28, 142-144.	4.1	22
60	Transformation by ras oncogene induces nuclear shift of protein kinase C. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 528-533.	2.1	21
61	Silencing of the RNA-binding protein HuR attenuates hyperalgesia and motor disability in experimental autoimmune encephalomyelitis. <i>Neuropharmacology</i> , 2017, 123, 116-125.	4.1	21
62	Autophagy inhibition improves the cytotoxic effects of receptor tyrosine kinase inhibitors. <i>Cancer Cell International</i> , 2018, 18, 63.	4.1	21
63	Transcriptional Down-regulation of Poly(ADP-ribose) Polymerase Gene Expression by E1A Binding to pRb Proteins Protects Murine Keratinocytes from Radiation-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 1999, 274, 35107-35112.	3.4	20
64	tRanslatome: an R/Bioconductor package to portray translational control. <i>Bioinformatics</i> , 2014, 30, 289-291.	4.1	20
65	Spinal RyR2 pathway regulated by the RNA-binding protein HuD induces pain hypersensitivity in antiretroviral neuropathy. <i>Experimental Neurology</i> , 2015, 267, 53-63.	4.1	19
66	Decoding distinctive features of plasma extracellular vesicles in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2021, 16, 52.	10.8	19
67	Loss of Protein Kinase C β /HuR Interaction Is Necessary to Doxorubicin Resistance in Breast Cancer Cell Lines. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 349, 99-106.	2.5	18
68	Translational Downregulation of HSP90 Expression by Iron Chelators in Neuroblastoma Cells. <i>Molecular Pharmacology</i> , 2015, 87, 513-524.	2.3	18
69	Positioning Europe for the EPITRANSCRIPTOMICS challenge. <i>RNA Biology</i> , 2018, 15, 1-3.	3.1	18
70	Nutlin-Induced Apoptosis Is Specified by a Translation Program Regulated by PCBP2 and DHX30. <i>Cell Reports</i> , 2020, 30, 4355-4369.e6.	6.4	18
71	Effect of K ⁺ channel modulation on mouse feeding behaviour. <i>European Journal of Pharmacology</i> , 1997, 329, 1-8.	3.5	16
72	Segmental chromosome aberrations converge on overexpression of mitotic spindle regulatory genes in high-risk neuroblastoma. <i>Genes Chromosomes and Cancer</i> , 2012, 51, 545-556.	2.8	16

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73	One-shot analysis of translated mammalian lncRNAs with AHARIBO. <i>ELife</i> , 2021, 10, .	6.0	15
74	Hydrogen peroxide is a neuronal alarmin that triggers specific RNAs, local translation of Annexin A2, and cytoskeletal remodeling in Schwann cells. <i>Rna</i> , 2018, 24, 915-925.	3.5	14
75	Antisense Knockdown of the Shaker-like Kv1.1 Gene Abolishes the Central Stimulatory Effects of Amphetamines in Mice and Rats. <i>Neuropsychopharmacology</i> , 2003, 28, 1096-1105.	5.4	13
76	EIF2A-dependent translational arrest protects leukemia cells from the energetic stress induced by NAMPT inhibition. <i>BMC Cancer</i> , 2015, 15, 855.	2.6	13
77	Antidepressant-like actions by silencing of neuronal ELAV-like RNA-binding proteins HuB and HuC in a model of depression in male mice. <i>Neuropharmacology</i> , 2018, 135, 444-454.	4.1	13
78	Hypomorphic mutation of the mouse Huntingtonâ€™s disease gene orthologue. <i>PLoS Genetics</i> , 2019, 15, e1007765.	3.5	13
79	C9orf72 ALS/FTD dipeptide repeat protein levels are reduced by small molecules that inhibit PKA or enhance protein degradation. <i>EMBO Journal</i> , 2022, 41, e105026.	7.8	13
80	Transient rapamycin treatment during developmental stage extends lifespan in <i>Mus musculus</i> and <i>Drosophila melanogaster</i> . <i>EMBO Reports</i> , 2022, 23, .	4.5	13
81	Calcium-regulated GTPase activity in the calcium-binding protein calnexin. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 135, 627-638.	1.6	12
82	Identification of two novel mutations and of a novel critical region in the KRIT1 gene. <i>Neurogenetics</i> , 2007, 8, 29-37.	1.4	12
83	Tuning the engine. <i>RNA Biology</i> , 2012, 9, 1224-1232.	3.1	12
84	The hnRNP RALY regulates PRMT1 expression and interacts with the ALS-linked protein FUS: implication for reciprocal cellular localization. <i>Molecular Biology of the Cell</i> , 2018, 29, 3067-3081.	2.1	12
85	Association of <i>PARP1</i> polymorphisms with response to chemotherapy in patients with high-risk neuroblastoma. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4072-4081.	3.6	12
86	A Screening of Native (Poly)phenols and Gut-Related Metabolites on 3D HCT116 Spheroids Reveals Gut Health Benefits of a Flavanol Metabolite. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101043.	3.3	12
87	Translational compensation of genomic instability in neuroblastoma. <i>Scientific Reports</i> , 2015, 5, 14364.	3.3	11
88	Multilayer and MATR3-dependent regulation of mRNAs maintains pluripotency in human induced pluripotent stem cells. <i>IScience</i> , 2021, 24, 102197.	4.1	11
89	Monomorphism of human cytochrome c. <i>Genomics</i> , 2006, 88, 669-672.	2.9	10
90	Acycloguanosyl 5â€™-thymidyltriphosphate, a Thymidine Analogue Prodrug Activated by Telomerase, Reduces Pancreatic Tumor Growth in Mice. <i>Gastroenterology</i> , 2011, 140, 709-720.e9.	1.3	10

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91	Telomerase activated thymidine analogue pro-drug is a new molecule targeting hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2014, 61, 1064-1072.	3.7	10
92	A Community Study of SARS-CoV-2 Detection by RT-PCR in Saliva: A Reliable and Effective Method. <i>Viruses</i> , 2022, 14, 313.	3.3	10
93	Lineage-specific interface proteins match up the cell cycle and differentiation in embryo stem cells. <i>Stem Cell Research</i> , 2014, 13, 316-328.	0.7	9
94	Molecular portraits: the evolution of the concept of transcriptome-based cancer signatures. <i>Briefings in Bioinformatics</i> , 2015, 16, 1000-1007.	6.5	9
95	DynaMIT: the dynamic motif integration toolkit. <i>Nucleic Acids Research</i> , 2016, 44, e2-e2.	14.5	9
96	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
97	Increased frequency of minimal homozygous deletions is associated with poor prognosis in primary malignant melanoma patients. <i>Genes Chromosomes and Cancer</i> , 2014, 53, 487-496.	2.8	7
98	Control of Gene Expression by RNA Binding Protein Action on Alternative Translation Initiation Sites. <i>PLoS Computational Biology</i> , 2016, 12, e1005198.	3.2	7
99	Rapid Nickel-based Isolation of Extracellular Vesicles from Different Biological Fluids. <i>Bio-protocol</i> , 2020, 10, e3512.	0.4	7
100	Multi-omic profiling of MYCN-amplified neuroblastoma cell-lines. <i>Genomics Data</i> , 2015, 6, 285-287.	1.3	6
101	Studying translational control in non-model stressed organisms by polysomal profiling. <i>Journal of Insect Physiology</i> , 2015, 76, 30-35.	2.0	6
102	Co-Administration of Fendiline Hydrochloride Enhances Chemotherapeutic Efficacy of Cisplatin in Neuroblastoma Treatment. <i>Molecules</i> , 2020, 25, 5234.	3.8	6
103	Modulation of dihydrofolate reductase gene expression in methotrexate-resistant human leukemia CCRF-CEM/E cells by antisense oligonucleotides. <i>Anti-Cancer Drugs</i> , 2000, 11, 285-294.	1.4	5
104	Editorial: Precision Medicine in Oncology. <i>Frontiers in Oncology</i> , 2018, 8, 479.	2.8	5
105	Reprogramming translation for gene therapy. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 182, 439-476.	1.7	5
106	A Cell-Based High-Throughput Screen Addressing 3'UTR-Dependent Regulation of the MYCN Gene. <i>Molecular Biotechnology</i> , 2014, 56, 631-643.	2.4	4
107	PTRcombiner: mining combinatorial regulation of gene expression from post-transcriptional interaction maps. <i>BMC Genomics</i> , 2014, 15, 304.	2.8	4
108	Global translation variations in host cells upon attack of lytic and sublytic <i>Staphylococcus aureus</i> β -haemolysin. <i>Biochemical Journal</i> , 2015, 472, 83-95.	3.7	4

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109	Hyperconserved Elements in Human 5'UTRs Shape Essential Post-transcriptional Regulatory Networks. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 220.	3.5	4
110	Novel mutations of dystrophin gene in DMD patients detected by rapid scanning in bplex exons DHPLC analysis. <i>New Biotechnology</i> , 2007, 24, 231-236.	2.7	3
111	Introduction to Bioinformatics Resources for Post-transcriptional Regulation of Gene Expression. <i>Methods in Molecular Biology</i> , 2016, 1358, 3-28.	0.9	2
112	Fingerprints of a message: integrating positional information on the transcriptome. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 39.	3.7	1
113	The Making of 'on-Chip PCR in Real-Time' for Food Quality Control. <i>BioNanoScience</i> , 2013, 3, 123-131.	3.5	0
114	Genomic Alterations and Abnormal Cell Cycle in High-Risk Neuroblastoma. <i>Pediatric and Adolescent Medicine</i> , 0, , 23-34.	0.4	0
115	High-throughput Screening for Chemical Modulators of Post-transcriptionally Regulated Genes. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	0
116	Abstract B48: Aurora kinase A plays a central role in the differentiation, survival, and self-renewal of human neuroblastoma SK-N-BE(2)-derived cancer stem cells. , 2011, , .		0
117	Abstract 4199: CDKN2A/p16INK4a 5'UTR variants in melanoma predisposition: Lost in translation, somewhere. , 2012, , .		0
118	Abstract B31: HuR cytoplasmic translocation and doxorubicin: how phosphorylation is involved in chemoresistance. <i>Clinical Cancer Research</i> , 2012, 18, B31-B31.	7.0	0
119	Active Ribosome Profiling With RiboLace. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
120	MATR3-Dependent Multilayer Regulation of OCT4, NANOG and LIN28A is Essential for the Maintenance of the Human Pluripotency. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0