

# Roberto Gherzi

## List of Publications by Year in descending order

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80  
papers

5,222  
citations

101543

36  
h-index

85541

71  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5568  
citing authors

#	ARTICLE	IF	CITATIONS
1	AU Binding Proteins Recruit the Exosome to Degrade ARE-Containing mRNAs. <i>Cell</i> , 2001, 107, 451-464.	28.9	803
2	The RNA-binding protein KSRP promotes the biogenesis of a subset of microRNAs. <i>Nature</i> , 2009, 459, 1010-1014.	27.8	588
3	A KH Domain RNA Binding Protein, KSRP, Promotes ARE-Directed mRNA Turnover by Recruiting the Degradation Machinery. <i>Molecular Cell</i> , 2004, 14, 571-583.	9.7	390
4	Nucleolin and YB-1 are required for JNK-mediated interleukin-2 mRNA stabilization during T-cell activation. <i>Genes and Development</i> , 2000, 14, 1236-1248.	5.9	314
5	p38-Dependent Phosphorylation of the mRNA Decay-Promoting Factor KSRP Controls the Stability of Select Myogenic Transcripts. <i>Molecular Cell</i> , 2005, 20, 891-903.	9.7	212
6	LPS induces KH-type splicing regulatory protein-dependent processing of microRNA-155 precursors in macrophages. <i>FASEB Journal</i> , 2009, 23, 2898-2908.	0.5	188
7	The Wnt/ $\beta$ -Catenin/Pitx2 Pathway Controls the Turnover of Pitx2 and Other Unstable mRNAs. <i>Molecular Cell</i> , 2003, 12, 1201-1211.	9.7	156
8	The ARE-dependent mRNA-destabilizing activity of BRF1 is regulated by protein kinase B. <i>EMBO Journal</i> , 2004, 23, 4760-4769.	7.8	132
9	The RNA-Binding Protein KSRP Promotes Decay of $\beta$ -Catenin mRNA and Is Inactivated by PI3K-AKT Signaling. <i>PLoS Biology</i> , 2006, 5, e5.	5.6	132
10	Tethering KSRP, a Decay-Promoting AU-Rich Element-Binding Protein, to mRNAs Elicits mRNA Decay. <i>Molecular and Cellular Biology</i> , 2006, 26, 3695-3706.	2.3	111
11	KH domains with impaired nucleic acid binding as a tool for functional analysis. <i>Nucleic Acids Research</i> , 2012, 40, 6873-6886.	14.5	106
12	Effect of metformin treatment on insulin action in diabetic rats: In vivo and in vitro correlations. <i>Metabolism: Clinical and Experimental</i> , 1990, 39, 425-435.	3.4	104
13	H19 long noncoding RNA controls the mRNA decay promoting function of KSRP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5023-8.	7.1	104
14	The Structure of the C-Terminal KH Domains of KSRP Reveals a Noncanonical Motif Important for mRNA Degradation. <i>Structure</i> , 2007, 15, 485-498.	3.3	97
15	Phosphorylation-mediated unfolding of a KH domain regulates KSRP localization via 14-3-3 binding. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 238-246.	8.2	88
16	Posttranscriptional Control of Type I Interferon Genes by KSRP in the Innate Immune Response against Viral Infection. <i>Molecular and Cellular Biology</i> , 2011, 31, 3196-3207.	2.3	74
17	LncRNA EPR controls epithelial proliferation by coordinating Cdkn1a transcription and mRNA decay response to TGF- $\beta$ 2. <i>Nature Communications</i> , 2019, 10, 1969.	12.8	68
18	The c-Jun-Induced Transformation Process Involves Complex Regulation of Tenascin-C Expression. <i>Molecular and Cellular Biology</i> , 1997, 17, 3202-3209.	2.3	66

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19	PI3K/AKT signaling determines a dynamic switch between distinct KSRP functions favoring skeletal myogenesis. <i>Cell Death and Differentiation</i> , 2012, 19, 478-487.	11.2	66
20	The mRNA decay promoting factor KSRP homology splicing regulator protein posttranscriptionally determines parathyroid hormone mRNA levels. <i>FASEB Journal</i> , 2008, 22, 3458-3468.	0.5	60
21	Diverse roles of the nucleic acid binding protein KHSRP in cell differentiation and disease. <i>Wiley Interdisciplinary Reviews RNA</i> , 2016, 7, 227-240.	6.4	57
22	The role of KSRP in mRNA decay and microRNA precursor maturation. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010, 1, 230-239.	6.4	56
23	Destabilization of nucleophosmin mRNA by the HuR/KSRP complex is required for muscle fibre formation. <i>Nature Communications</i> , 2014, 5, 4190.	12.8	56
24	Functional and molecular insights into KSRP function in mRNA decay. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 689-694.	1.9	54
25	Identification of a set of KSRP target transcripts upregulated by PI3K-AKT signaling. <i>BMC Molecular Biology</i> , 2007, 8, 28.	3.0	53
26	Human Tenascin Gene. <i>Journal of Biological Chemistry</i> , 1995, 270, 3429-3434.	3.4	52
27	KSRP, many functions for a single protein. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 1787.	3.0	49
28	Direct modulation of insulin receptor protein tyrosine kinase by vanadate and anti-insulin receptor monoclonal antibodies. <i>Biochemical and Biophysical Research Communications</i> , 1988, 152, 1474-1480.	2.1	45
29	miRNA-Mediated KHSRP Silencing Rewires Distinct Post-transcriptional Programs during TGF- $\beta$ <sup>2</sup> -Induced Epithelial-to-Mesenchymal Transition. <i>Cell Reports</i> , 2016, 16, 967-978.	6.4	45
30	HepG2/erythroid/brain-type glucose transporter (GLUT1) is highly expressed in human epidermis: Keratinocyte differentiation affects glut1 levels in reconstituted epidermis. <i>Journal of Cellular Physiology</i> , 1992, 150, 463-474.	4.1	44
31	AP-1 Activity during Normal Human Keratinocyte Differentiation: Evidence for a Cytosolic Modulator of AP-1/DNA Binding. <i>Experimental Cell Research</i> , 1993, 204, 136-146.	2.6	44
32	KSRP and MicroRNA 145 Are Negative Regulators of Lipolysis in White Adipose Tissue. <i>Molecular and Cellular Biology</i> , 2014, 34, 2339-2349.	2.3	42
33	KSRP Ablation Enhances Brown Fat Gene Program in White Adipose Tissue Through Reduced miR-150 Expression. <i>Diabetes</i> , 2014, 63, 2949-2961.	0.6	42
34	Protein kinase C mRNA levels and activity in reconstituted normal human epidermis: Relationships to cell differentiation. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 283-291.	2.1	41
35	How to control miRNA maturation? Co-activators and co-repressors take the stage. <i>RNA Biology</i> , 2009, 6, 536-540.	3.1	40
36	Noncanonical G recognition mediates KSRP regulation of let-7 biogenesis. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1282-1286.	8.2	39

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37	KSRP Controls Pleiotropic Cellular Functions. <i>Seminars in Cell and Developmental Biology</i> , 2014, 34, 2-8.	5.0	36
38	Akt2-mediated phosphorylation of Pitx2 controls Ccnd1 mRNA decay during muscle cell differentiation. <i>Cell Death and Differentiation</i> , 2010, 17, 975-983.	11.2	35
39	The Human Homeodomain Protein OTX2 Binds to the Human Tenascin-C Promoter and Trans-Represses Its Activity in Transfected Cells. <i>DNA and Cell Biology</i> , 1997, 16, 559-567.	1.9	33
40	Orientation of the central domains of KSRP and its implications for the interaction with the RNA targets. <i>Nucleic Acids Research</i> , 2010, 38, 5193-5205.	14.5	31
41	High expression levels of the erythroid/brain-type glucose transporter (GLUT1) in the basal cells of human eye conjunctiva and oral mucosa reconstituted in culture. <i>Experimental Cell Research</i> , 1991, 195, 230-236.	2.6	30
42	Glucose starvation and glycosylation inhibitors reduce insulin receptor gene expression: Characterization and potential mechanism in human cells. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 397-405.	2.1	26
43	KSRP-PMR1-exosome association determines parathyroid hormone mRNA levels and stability in transfected cells. <i>BMC Cell Biology</i> , 2009, 10, 70.	3.0	25
44	Long Non-Coding RNA-Ribonucleoprotein Networks in the Post-Transcriptional Control of Gene Expression. <i>Non-coding RNA</i> , 2020, 6, 40.	2.6	25
45	Let-7b/c Enhance the Stability of a Tissue-Specific mRNA during Mammalian Organogenesis as Part of a Feedback Loop Involving KSRP. <i>PLoS Genetics</i> , 2012, 8, e1002823.	3.5	22
46	Bone Morphogenetic Protein/SMAD Signaling Orients Cell Fate Decision by Impairing KSRP-Dependent MicroRNA Maturation. <i>Cell Reports</i> , 2012, 2, 1159-1168.	6.4	22
47	Effect of two different glucose concentrations on insulin receptor mRNA levels in human hepatoma HepG2 cells. <i>Biochemical and Biophysical Research Communications</i> , 1989, 160, 1415-1420.	2.1	20
48	KSRP Promotes the Maturation of a Group of miRNA Precursors. <i>Advances in Experimental Medicine and Biology</i> , 2010, 700, 36-42.	1.6	20
49	c-myc Gene expression in human cells is controlled by glucose. <i>Biochemical and Biophysical Research Communications</i> , 1989, 165, 1123-1129.	2.1	19
50	Androgens increase insulin receptor mRNA levels, insulin binding, and insulin responsiveness in HEP-2 larynx carcinoma cells. <i>Molecular and Cellular Endocrinology</i> , 1992, 86, 111-118.	3.2	19
51	Insulin receptor autophosphorylation and kinase activity in streptozotocin diabetic rats. Effect of a short fast. <i>Biochemical and Biophysical Research Communications</i> , 1986, 140, 850-856.	2.1	16
52	Resveratrol limits epithelial to mesenchymal transition through modulation of KHSRP/hnRNPA1-dependent alternative splicing in mammary gland cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 291-298.	1.9	15
53	Comprehensive multi-omics analysis uncovers a group of TGF- $\beta$ -regulated genes among lncRNA EPR direct transcriptional targets. <i>Nucleic Acids Research</i> , 2020, 48, 9053-9066.	14.5	15
54	Bcl-2 Protein Is Required for the Adenine/Uridine-rich Element (ARE)-dependent Degradation of Its Own Messenger. <i>Journal of Biological Chemistry</i> , 2003, 278, 23451-23459.	3.4	14

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55	Expression, Intracellular Localization, and Gene Transcription Regulation of the Secretory Protein 7B2 in Endocrine Pancreatic Cell Lines and Human Insulinomas. <i>Experimental Cell Research</i> , 1994, 213, 20-27.	2.6	12
56	Regulation of Islet Hormone Gene Expression by Incretin Hormones. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1995, 103, 56-65.	1.2	12
57	The first untranslated exon of the human tenascin-C gene plays a regulatory role in gene transcription. <i>FEBS Letters</i> , 1995, 369, 335-339.	2.8	11
58	Rat tenascin-R gene: structure, chromosome location and transcriptional activity of promoter and exon 1. <i>Cytogenetic and Genome Research</i> , 1998, 83, 115-123.	1.1	11
59	KSRP promotes the maturation of a group of miRNA precursors. <i>Advances in Experimental Medicine and Biology</i> , 2010, 700, 36-42.	1.6	11
60	Inhibition of insulin and epidermal growth factor (EGF) receptor autophosphorylation by a human polyclonal IgG. <i>Biochemical and Biophysical Research Communications</i> , 1985, 132, 991-1000.	2.1	10
61	The Human Tenascin-R Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 31251-31254.	3.4	10
62	Structure of 5' Region of Human Tenascin-R Gene and Characterization of Its Promoter. <i>DNA and Cell Biology</i> , 1998, 17, 275-282.	1.9	10
63	Multifactorial control of insulin receptor gene expression in human cell lines. <i>Biochemical and Biophysical Research Communications</i> , 1990, 170, 1184-1190.	2.1	8
64	KSRP silencing favors neural differentiation of P19 teratocarcinoma cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 469-479.	1.9	8
65	Effect of insulin receptor autophosphorylation on insulin receptor binding. <i>Molecular and Cellular Endocrinology</i> , 1986, 45, 247-252.	3.2	7
66	Species Specificity of Insulin Binding and Insulin Receptor Protein Tyrosine Kinase Activity*. <i>Endocrinology</i> , 1987, 121, 2007-2010.	2.8	7
67	Assignment of the tenascin-R gene ( <i>Tnr</i> ) to mouse chromosome 4 band E2 by fluorescence in situ hybridization; refinement of the human TNR location to chromosome 1q24. <i>Cytogenetic and Genome Research</i> , 1997, 78, 145-146.	1.1	7
68	Stabilization of Cellular mRNAs and Up-Regulation of Proteins by Oligoribonucleotides Homologous to the Bcl2 Adenine-Uridine Rich Element Motif. <i>Molecular Pharmacology</i> , 2007, 71, 531-538.	2.3	7
69	Insulin receptor gene expression is reduced in cells from a progeric patient. <i>Molecular and Cellular Endocrinology</i> , 1991, 75, 9-14.	3.2	6
70	The Glucagon Gene Is Transcribed in $\beta$ -like Pancreatic Cells. <i>Experimental Cell Research</i> , 1995, 218, 460-468.	2.6	6
71	LncRNA <i>EPR</i> -induced METTL7A1 modulates target gene translation. <i>Nucleic Acids Research</i> , 2022, 50, 7608-7622.	14.5	6
72	Regulation of insulin receptor-associated tyrosine kinase by a polyclonal IgG. <i>Molecular and Cellular Endocrinology</i> , 1987, 53, 9-14.	3.2	5

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73	LINC00152 expression in normal and Chronic Lymphocytic Leukemia B cells. <i>Hematological Oncology</i> , 2022, 40, 41-48.	1.7	5
74	Insulin Receptor Regulation in Human Mature Red Cells in vitro. <i>Hormone Research</i> , 1985, 22, 270-275.	1.8	4
75	Antipeptide antibodies toward the extracellular domain of insulin receptor beta-subunit. <i>Biochemical and Biophysical Research Communications</i> , 1989, 162, 1236-1243.	2.1	4
76	Ras antagonizes cAMP stimulated glucagon gene transcription in pancreatic islet cell lines. <i>FEBS Letters</i> , 1994, 353, 277-280.	2.8	4
77	Insulin Binding on MOLT 4 Cells: Effect of a Sulfonylurea. <i>Hormone Research</i> , 1984, 20, 246-251.	1.8	3
78	Altered response to stimuli of the AP-1/DNA binding activity in a syndrome of precocious ageing (geroderma osteodysplastica hereditaria). <i>Mechanisms of Ageing and Development</i> , 1998, 100, 169-175.	4.6	3
79	Influence of Cell Age and Ketoaminic Linkage on Rapid Glycosylation of Hemoglobin in Human Red Cells In Vitro. <i>Hormone and Metabolic Research</i> , 1985, 17, 201-204.	1.5	2
80	Insulin-like growth factor I (IGF I) receptor autophosphorylation and kinase activity. effect of a human polyclonal-antibody (pIgG). <i>Biochemical and Biophysical Research Communications</i> , 1986, 138, 1023-1029.	2.1	2