Matthias W Hentze

List of Publications by Year
in descending order

241 papers	35,012 citations	2675 95 h-index	3915 177 g-index
259 all docs	259 docs citations	259 times ranked	30253 citing authors

#	Article	IF	Citations
1	Vault RNA1â€“1 riboregulates the autophagic function of p62 by binding to lysine 7 and arginine 21, both of which are critical for p62 oligomerization. Rna, 2022, 28, 742-755.	3.5	9
2	Constitutional PIGA mutations cause a novel subtype of hemochromatosis in patients with neurologic dysfunction. Blood, 2022, 139, 1418-1422.	1.4	8
3	Riboregulation of Enolase 1 activity controls glycolysis and embryonic stem cell differentiation. Molecular Cell, 2022, 82, 2666-2680.e11.	9.7	37
4	RNA-binding proteins in human genetic disease. Nature Reviews Genetics, 2021, 22, 185-198.	16.3	720
5	Global analysis of RNA-binding protein dynamics by comparative and enhanced RNA interactome capture. Nature Protocols, 2021, 16, 27-60.	12.0	31
6	NMD inhibition by 5-azacytidine augments presentation of immunogenic frameshift-derived neoepitopes. IScience, 2021, 24, 102389.	4.1	22
7	Identification of dynamic RNA-binding proteins uncovers a Cpeb4-controlled regulatory cascade during pathological cell growth of cardiomyocytes. Cell Reports, 2021, 35, 109100.	6.4	19
8	Blasticidin S inhibits mammalian translation and enhances production of protein encoded by nonsense mRNA. Nucleic Acids Research, 2021, 49, 7665-7679.	14.5	13
9	Core Crossâ€Linked Polymeric Micelles for Specific Iron Delivery: Inducing Sterile Inflammation in Macrophages. Advanced Healthcare Materials, 2021, 10, e2100385.	7.6	13
10	Atherosclerosis is aggravated by iron overload and ameliorated by dietary and pharmacological iron restriction. European Heart Journal, 2020, 41, 2681-2695.	2.2	162
11	A Genetically Encoded Diazirine Analogue for RNAâ€“Protein Photoâ€crosslinking. ChemBioChem, 2020, 21, 88-93.	2.6	10
12	â€˜High vault-ageâ€™: non-coding RNA control of autophagy. Open Biology, 2020, 10, 190307.	3.6	28
13	Condensation of Ded1p Promotes a Translational Switch from Housekeeping to Stress Protein Production. Cell, 2020, 181, 818-831.e19.	28.9	130
14	Plasticity of nuclear and cytoplasmic stress responses of RNA-binding proteins. Nucleic Acids Research, 2020, 48, 4725-4740.	14.5	40
15	The RNA-Binding Protein YBX3 Controls Amino Acid Levels by Regulating SLC mRNA Abundance. Cell Reports, 2019, 27, 3097-3106.e5.	6.4	47
16	Vault RNA emerges as a regulator of selective autophagy. Autophagy, 2019, 15, 1463-1464.	9.1	10
17	The Small Non-coding Vault RNA1-1 Acts as a Riboregulator of Autophagy. Cell, 2019, 176, 1054-1067.e12.	28.9	125
18	The Human RNA-Binding Proteome and Its Dynamics during Translational Arrest. Cell, 2019, 176, 391-403.e19.	28.9	289

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19	Sensing of Liver Iron Content Requires Cell-Cell Communication between Hepatocytes and Liver Sinusoidal Endothelial Cells. Blood, 2019, 134, 432-432.	1.4	1
20	A brave new world of RNA-binding proteins. Nature Reviews Molecular Cell Biology, 2018, 19, 327-341.	37.0	1,172
21	The RNA-binding protein YBX1 regulates epidermal progenitors at a posttranscriptional level. Nature Communications, 2018, 9, 1734.	12.8	55
22	Silica-based solid-phase extraction of cross-linked nucleic acidâ€"bound proteins. Life Science Alliance, 2018, 1, e201800088.	2.8	49
23	Discovery of RNA-binding proteins and characterization of their dynamic responses by enhanced RNA interactome capture. Nature Communications, 2018, 9, 4408.	12.8	138
24	Elisa Izaurralde 1959â€"2018. Nature Structural and Molecular Biology, 2018, 25, 547-547.	8.2	2
25	A Red Carpet for Iron Metabolism. Cell, 2017, 168, 344-361.	28.9	847
26	Insights into the design and interpretation of iCLIP experiments. Genome Biology, 2017, 18, 7.	8.8	73
27	Specific RNP capture with antisense LNA/DNA mixmers. Rna, 2017, 23, 1290-1302.	3.5	41
28	Cellular citrate levels establish a regulatory link between energy metabolism and the hepatic iron hormone hepcidin. Journal of Molecular Medicine, 2017, 95, 851-860.	3.9	8
29	Identification of RNA-binding domains of RNA-binding proteins in cultured cells on a system-wide scale with RBDmap. Nature Protocols, 2017, 12, 2447-2464.	12.0	32
30	Characterization of the African Swine Fever Virus Decapping Enzyme during Infection. Journal of Virology, 2017, 91, .	3.4	29
31	Low-iron diet and chelation therapy rescue severe atherosclerosis associated with high circulating iron levels. Atherosclerosis, 2017, 263, e15-e16.	0.8	1
32	Dual function of UPF3B in early and late translation termination. EMBO Journal, 2017, 36, 2968-2986.	7.8	89
33	The actin-binding protein profilin 2 is a novel regulator of iron homeostasis. Blood, 2017, 130, 1934-1945.	1.4	26
34	Iron Induces Anti-tumor Activity in Tumor-Associated Macrophages. Frontiers in Immunology, 2017, 8, 1479.	4.8	121
35	Anti-hemojuvelin antibody corrects anemia caused by inappropriately high hepcidin levels. Haematologica, 2016, 101, e173-e176.	3.5	44
36	Global changes of the RNA-bound proteome during the maternal-to-zygotic transition in Drosophila. Nature Communications, 2016, 7, 12128.	12.8	134

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37	The differential expression of alternatively polyadenylated transcripts is a common stress-induced response mechanism that modulates mammalian mRNA expression in a quantitative and qualitative fashion. Rna, 2016, 22, 1441-1453.	3.5	36
38	In Planta Determination of the mRNA-Binding Proteome of Arabidopsis Etiolated Seedlings. Plant Cell, 2016, 28, 2435-2452.	6.6	158
39	Exon Junction Complexes Show a Distributional Bias toward Alternatively Spliced mRNAs and against mRNAs Coding for Ribosomal Proteins. Cell Reports, 2016, 16, 1588-1603.	6.4	65
40	The Cardiomyocyte RNA-Binding Proteome: Links to Intermediary Metabolism and Heart Disease. Cell Reports, 2016, 16, 1456-1469.	6.4	128
41	Comprehensive Identification of RNA-Binding Domains in Human Cells. Molecular Cell, 2016, 63, 696-710.	9.7	493
42	Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. European Heart Journal, 2016, 38, ehw333.	2.2	115
43	Identification of RNA-binding Proteins in Macrophages by Interactome Capture. Molecular and Cellular Proteomics, 2016, 15, 2699-2714.	3.8	88
44	IRES unplugged. Science, 2016, 351, 228-228.	12.6	9
45	Proteomic Analysis Reveals Branch-specific Regulation of the Unfolded Protein Response by Nonsense-mediated mRNA Decay. Molecular and Cellular Proteomics, 2016, 15, 1584-1597.	3.8	28
46	Mice with hepcidinâ€resistant ferroportin accumulate iron in the retina. FASEB Journal, 2016, 30, 813-823.	0.5	32
47	Comprehensive Identification of RNA-Binding Proteins by RNA Interactome Capture. Methods in Molecular Biology, 2016, 1358, 131-139.	0.9	53
48	Low-Iron Diet and Chelation Therapy Rescue Severe Atherosclerosis Associated with High Circulating Iron Levels. Blood, 2016, 128, 199-199.	1.4	2
49	A novel inflammatory pathway mediating rapid hepcidin-independent hypoferremia. Blood, 2015, 125, 2265-2275.	1.4	144
50	The RNA-binding proteomes from yeast to man harbour conserved enigmRBPs. Nature Communications, 2015, 6, 10127.	12.8	385
51	Ferritin-Mediated Iron Sequestration Stabilizes Hypoxia-Inducible Factor-1Î± upon LPS Activation in the Presence of Ample Oxygen. Cell Reports, 2015, 13, 2048-2055.	6.4	106
52	Iron Regulatory Protein 1 Sustains Mitochondrial Iron Loading and Function in Frataxin Deficiency. Cell Metabolism, 2015, 21, 311-323.	16.2	61
53	Iron Regulatory Proteins Mediate Host Resistance to Salmonella Infection. Cell Host and Microbe, 2015, 18, 254-261.	11.0	92
54	Metabolic Enzymes Enjoying New Partnerships as RNA-Binding Proteins. Trends in Endocrinology and Metabolism, 2015, 26, 746-757.	7.1	219

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55	Improved binding site assignment by high-resolution mapping of RNAâ€“protein interactions using iCLIP. Nature Communications, 2015, 6, 7921.	12.8	32
56	FASTKD2 is an RNA-binding protein required for mitochondrial RNA processing and translation. Rna, 2015, 21, 1873-1884.	3.5	78
57	A network of SMG-8, SMG-9 and SMG-1 C-terminal insertion domain regulates UPF1 substrate recruitment and phosphorylation. Nucleic Acids Research, 2015, 43, 7600-7611.	14.5	51
58	A versatile assay for RNA-binding proteins in living cells. Rna, 2014, 20, 721-731.	3.5	33
59	<scp>mRNA</scp> 3â€²end processing: A tale of the tail reaches the clinic. EMBO Molecular Medicine, 2014, 6, 16-26.	6.9	38
60	Resistance of Ferroportin to Hepcidin Binding causes Exocrine Pancreatic Failure and Fatal Iron Overload. Cell Metabolism, 2014, 20, 359-367.	16.2	98
61	Iron Regulatory Protein-1 Protects against Mitoferrin-1-deficient Porphyria. Journal of Biological Chemistry, 2014, 289, 7835-7843.	3.4	34
62	Photo-cross-linking and high-resolution mass spectrometry for assignment of RNA-binding sites in RNA-binding proteins. Nature Methods, 2014, 11, 1064-1070.	19.0	218
63	5â€azacytidine inhibits nonsenseâ€mediated decay in a <scp>MYC</scp>â€dependent fashion. EMBO Molecular Medicine, 2014, 6, 1593-1609.	6.9	51
64	Unbiased RNAi screen for hepcidin regulators links hepcidin suppression to proliferative Ras/RAF and nutrient-dependent mTOR signaling. Blood, 2014, 123, 1574-1585.	1.4	62
65	An Inflammatory Pathway Mediating Rapid Hepcidin-Independent Hypoferremia. Blood, 2014, 124, 214-214.	1.4	0
66	Profilin2 Is Controlled By the Iron Regulatory Proteins and Modulates Iron Homeostasis. Blood, 2014, 124, 749-749.	1.4	0
67	Abnormal body iron distribution and erythropoiesis in a novel mouse model with inducible gain of iron regulatory protein (IRP)-1 function. Journal of Molecular Medicine, 2013, 91, 871-881.	3.9	13
68	The RNA-binding protein repertoire of embryonic stem cells. Nature Structural and Molecular Biology, 2013, 20, 1122-1130.	8.2	415
69	Making sense of nonsense. Nature Structural and Molecular Biology, 2013, 20, 651-653.	8.2	10
70	Iron Regulatory Proteins Control a Mucosal Block to Intestinal Iron Absorption. Cell Reports, 2013, 3, 844-857.	6.4	81
71	Pathologies at the nexus of blood coagulation and inflammation: thrombin in hemostasis, cancer, and beyond. Journal of Molecular Medicine, 2013, 91, 1257-1271.	3.9	97
72	System-wide identification of RNA-binding proteins by interactome capture. Nature Protocols, 2013, 8, 491-500.	12.0	176

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73	The IRP1-HIF-2Î± Axis Coordinates Iron and Oxygen Sensing with Erythropoiesis and Iron Absorption. Cell Metabolism, 2013, 17, 282-290.	16.2	174
74	Circular RNAs: splicingâ€™s enigma variations. EMBO Journal, 2013, 32, 923-925.	7.8	412
75	RNA-binding proteins in Mendelian disease. Trends in Genetics, 2013, 29, 318-327.	6.7	211
76	The hemochromatosis proteins HFE, TfR2, and HJV form a membrane-associated protein complex for hepcidin regulation. Journal of Hepatology, 2012, 57, 1052-1060.	3.7	166
77	Insights into RNA Biology from an Atlas of Mammalian mRNA-Binding Proteins. Cell, 2012, 149, 1393-1406.	28.9	1,765
78	Automated High-Throughput RNAi Screening in Human Cells Combined with Reporter mRNA Transfection to Identify Novel Regulators of Translation. PLoS ONE, 2012, 7, e45943.	2.5	8
79	PABP and the poly(A) tail augment microRNA repression by facilitated miRISC binding. Nature Structural and Molecular Biology, 2012, 19, 603-608.	8.2	100
80	From Cis-Regulatory Elements to Complex RNPs and Back. Cold Spring Harbor Perspectives in Biology, 2012, 4, a012245-a012245.	5.5	80
81	Translational Control via Protein-Regulated Upstream Open Reading Frames. Cell, 2011, 145, 902-913.	28.9	118
82	p38 MAPK Controls Prothrombin Expression by Regulated RNA 3â€² End Processing. Molecular Cell, 2011, 41, 298-310.	9.7	70
83	Iron regulatory protein-1 and -2: transcriptome-wide definition of binding mRNAs and shaping of the cellular proteome by iron regulatory proteins. Blood, 2011, 118, e168-e179.	1.4	108
84	An efficient factor-depleted mammalian in vitro translation system. Nature Protocols, 2011, 6, 563-571.	12.0	50
85	Mechanism of escape from nonsense-mediated mRNA decay of human Î²-globin transcripts with nonsense mutations in the first exon. Rna, 2011, 17, 843-854.	3.5	120
86	The liver-specific microRNA miR-122 controls systemic iron homeostasis in mice. Journal of Clinical Investigation, 2011, 121, 1386-1396.	8.2	221
87	Iron Regulatory Proteins in Systemic Iron Metabolism and Erythropoiesis. Blood, 2011, 118, SCI-22-SCI-22.	1.4	0
88	SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. Blood, 2010, 115, 2657-2665.	1.4	112
89	Serum ferritin is derived primarily from macrophages through a nonclassical secretory pathway. Blood, 2010, 116, 1574-1584.	1.4	364
90	The REM phase of gene regulation. Trends in Biochemical Sciences, 2010, 35, 423-426.	7.5	101

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91	The IronChip evaluation package: a package of perl modules for robust analysis of custom microarrays. BMC Bioinformatics, 2010, 11, 112.	2.6	4
92	Systems analysis of iron metabolism: the network of iron pools and fluxes. BMC Systems Biology, 2010, 4, 112.	3.0	30
93	SIREs: searching for iron-responsive elements. Nucleic Acids Research, 2010, 38, W360-W367.	14.5	79
94	NMD: RNA biology meets human genetic medicine. Biochemical Journal, 2010, 430, 365-377.	3.7	192
95	Mechanism of translational regulation by miR-2 from sites in the 5â€² untranslated region or the open reading frame. Rna, 2010, 16, 2493-2502.	3.5	135
96	The Role of ABCE1 in Eukaryotic Posttermination Ribosomal Recycling. Molecular Cell, 2010, 37, 196-210.	9.7	290
97	Two to Tango: Regulation of Mammalian Iron Metabolism. Cell, 2010, 142, 24-38.	28.9	1,692
98	Iron Regulatory Proteins Secure Mitochondrial Iron Sufficiency and Function. Cell Metabolism, 2010, 12, 194-201.	16.2	110
99	microRNA-Mediated Messenger RNA Deadenylation Contributes to Translational Repression in Mammalian Cells. PLoS ONE, 2009, 4, e6783.	2.5	89
100	The Hierarchy of Exon-Junction Complex Assembly by the Spliceosome Explains Key Features of Mammalian Nonsense-Mediated mRNA Decay. PLoS Biology, 2009, 7, e1000120.	5.6	114
101	EMBO Molecular Medicine: Conquering new frontiers. EMBO Molecular Medicine, 2009, 1, 5-5.	6.9	0
102	Bone morphogenetic protein (BMP)-responsive elements located in the proximal and distal hepcidin promoter are critical for its response to HJV/BMP/SMAD. Journal of Molecular Medicine, 2009, 87, 471-480.	3.9	139
103	In vivo role(s) of the iron regulatory proteins (IRP) 1 and 2 in aseptic local inflammation. Journal of Molecular Medicine, 2009, 87, 913-921.	3.9	10
104	Unusual bipartite mode of interaction between the nonsense-mediated decay factors, UPF1 and UPF2. EMBO Journal, 2009, 28, 2293-2306.	7.8	126
105	Disassembly of Exon Junction Complexes by PYM. Cell, 2009, 137, 536-548.	28.9	162
106	Drosophila miR2 Primarily Targets the m7GpppN Cap Structure for Translational Repression. Molecular Cell, 2009, 35, 881-888.	9.7	74
107	The SXL-UNR Corepressor Complex Uses a PABP-Mediated Mechanism to Inhibit Ribosome Recruitment to msl-2 mRNA. Molecular Cell, 2009, 36, 571-582.	9.7	70
108	Cell-autonomous and systemic context-dependent functions of iron regulatory protein 2 in mammalian iron metabolism. Blood, 2009, 113, 679-687.	1.4	42

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109	A bone morphogenetic protein (BMP)-responsive element in the hepcidin promoter controls HFE2-mediated hepatic hepcidin expression and its response to IL-6 in cultured cells. Journal of Molecular Medicine, 2008, 86, 531-540.	3.9	121
110	Interactions between UPF1, eRFs, PABP and the exon junction complex suggest an integrated model for mammalian NMD pathways. EMBO Journal, 2008, 27, 736-747.	7.8	269
111	miChip: an array-based method for microRNA expression profiling using locked nucleic acid capture probes. Nature Protocols, 2008, 3, 321-329.	12.0	126
112	3â€² end mRNA processing: molecular mechanisms and implications for health and disease. EMBO Journal, 2008, 27, 482-498.	7.8	246
113	Systemic Iron Homeostasis and the Iron-Responsive Element/Iron-Regulatory Protein (IRE/IRP) Regulatory Network. Annual Review of Nutrition, 2008, 28, 197-213.	10.1	572
114	Iron Regulatory Proteins Are Essential for Intestinal Function and Control Key Iron Absorption Molecules in the Duodenum. Cell Metabolism, 2008, 7, 79-85.	16.2	166
115	Chapter 23 Tethering Assays to Investigate Nonsenseâ€Mediated mRNA Decay Activating Proteins. Methods in Enzymology, 2008, 448, 467-482.	1.0	15
116	Hfe Acts in Hepatocytes to Prevent Hemochromatosis. Cell Metabolism, 2008, 7, 173-178.	16.2	139
117	Translation initiation by the c-myc mRNA internal ribosome entry sequence and the poly(A) tail. Rna, 2008, 14, 1579-1589.	3.5	21
118	A Closer Look at Cellular Iron Metabolism in IRP2 Deficient Erythroblasts.. Blood, 2008, 112, 3843-3843.	1.4	0
119	Complex translational regulation of BACE1 involves upstream AUGs and stimulatory elements within the 5' untranslated region. Nucleic Acids Research, 2007, 35, 2975-2985.	14.5	55
120	Studying Translational Control in Drosophila Cell-Free Systems. Methods in Enzymology, 2007, 429, 23-33.	1.0	12
121	The abundance of RNPS1, a protein component of the exon junction complex, can determine the variability in efficiency of the Nonsense Mediated Decay pathway. Nucleic Acids Research, 2007, 35, 4542-4551.	14.5	107
122	STAT3 mediates hepatic hepcidin expression and its inflammatory stimulation. Blood, 2007, 109, 353-358.	1.4	485
123	Physiologic systemic iron metabolism in mice deficient for duodenal Hfe. Blood, 2007, 109, 4511-4517.	1.4	68
124	Is congenital secondary erythrocytosis/polycythemia caused by activating mutations within the HIF-2Î± iron-responsive element?. Blood, 2007, 110, 2776-2777.	1.4	5
125	miChip: A microarray platform for expression profiling of microRNAs based on locked nucleic acid (LNA) oligonucleotide capture probes. Methods, 2007, 43, 146-152.	3.8	65
126	Expression of the subgenomic hepatitis C virus replicon alters iron homeostasis in Huh7 cells. Journal of Hepatology, 2007, 47, 12-22.	3.7	38

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127	Ca2+ channel blockers reverse iron overload by a new mechanism via divalent metal transporter-1. Nature Medicine, 2007, 13, 448-454.	30.7	145
128	Identification of target mRNAs of regulatory RNA-binding proteins using mRNP immunopurification and microarrays. Nature Protocols, 2007, 2, 2033-2042.	12.0	10
129	Splicing factors stimulate polyadenylation via USEs at non-canonical 3â€² end formation signals. EMBO Journal, 2007, 26, 2658-2669.	7.8	75
130	Iron-regulatory proteins limit hypoxia-inducible factor-2Î± expression in iron deficiency. Nature Structural and Molecular Biology, 2007, 14, 420-426.	8.2	253
131	A conserved motif in Argonaute-interacting proteins mediates functional interactions through the Argonaute PIWI domain. Nature Structural and Molecular Biology, 2007, 14, 897-903.	8.2	218
132	Drosophila miR2 induces pseudo-polysomes and inhibits translation initiation. Nature, 2007, 447, 875-878.	27.8	275
133	Hfe Acts in Hepatocytes To Prevent Hemochromatosis.. Blood, 2007, 110, 703-703.	1.4	1
134	A sensitive array for microRNA expression profiling (miChip) based on locked nucleic acids (LNA). Rna, 2006, 12, 913-920.	3.5	375
135	Bruno Acts as a Dual Repressor of oskar Translation, Promoting mRNA Oligomerization and Formation of Silencing Particles. Cell, 2006, 124, 521-533.	28.9	200
136	A chemiluminescence-based reporter system to monitor nonsense-mediated mRNA decay. Biochemical and Biophysical Research Communications, 2006, 349, 186-191.	2.1	55
137	Iron homeostasis in the brain: complete iron regulatory protein 2 deficiency without symptomatic neurodegeneration in the mouse. Nature Genetics, 2006, 38, 967-969.	21.4	58
138	Internal ribosome entry sequenceâ€mediated translation initiation triggers nonsenseâ€mediated decay. EMBO Reports, 2006, 7, 722-726.	4.5	19
139	IRP1-independent alterations of cardiac iron metabolism in doxorubicin-treated mice. Journal of Molecular Medicine, 2006, 84, 551-560.	3.9	25
140	The uORF-containing thrombopoietin mRNA escapes nonsense-mediated decay (NMD). Nucleic Acids Research, 2006, 34, 2355-2363.	14.5	41
141	The Molecular Circuitry Regulating the Switch between Iron Deficiency and Overload in Mice. Journal of Biological Chemistry, 2006, 281, 7946-7951.	3.4	15
142	Functions of hUpf3a and hUpf3b in nonsense-mediated mRNA decay and translation. Rna, 2006, 12, 1015-1022.	3.5	112
143	Sex-lethal imparts a sex-specific function to UNR by recruiting it to the msl-2 mRNA 3' UTR: translational repression for dosage compensation. Genes and Development, 2006, 20, 368-379.	5.9	78
144	3â€² End Processing of the Prothrombin mRNA in Thrombophilia. Acta Haematologica, 2006, 115, 192-197.	1.4	31

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145	Iron Regulation and the Cell Cycle. Journal of Biological Chemistry, 2006, 281, 22865-22874.	3.4	103
146	Targeted Disruption of the Mouse Mitoferrin (Slc25A37) Mitochondrial Solute Carrier Results in Defective Primitive and Definitive Erythropoiesis.. Blood, 2006, 108, 265-265.	1.4	5
147	The Physiology of Prothrombin Gene Expression Integrates RNA Polyadenylation and Splicing in a Novel Regulatable 3â€² RNP-Complex.. Blood, 2006, 108, 1601-1601.	1.4	0
148	Generation of conditional alleles of the murineiron regulatory protein (IRP)-1 and -2 genes. Genesis, 2005, 43, 181-188.	1.6	43
149	The role of nonsense-mediated decay in physiological and pathological processes. , 2005, , .		0
150	Iron Inactivates the RNA Polymerase NS5B and Suppresses Subgenomic Replication of Hepatitis C Virus. Journal of Biological Chemistry, 2005, 280, 9049-9057.	3.4	95
151	Eukaryotic translation initiation factor 4GI and p97 promote cellular internal ribosome entry sequence-driven translation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13421-13426.	7.1	85
152	Altered body iron distribution and microcytosis in mice deficient in iron regulatory protein 2 (IRP2). Blood, 2005, 106, 2580-2589.	1.4	193
153	Exon-Junction Complex Components Specify Distinct Routes of Nonsense-Mediated mRNA Decay with Differential Cofactor Requirements. Molecular Cell, 2005, 20, 65-75.	9.7	277
154	A Dual Inhibitory Mechanism Restricts msl-2 mRNA Translation for Dosage Compensation in Drosophila. Cell, 2005, 122, 529-540.	28.9	96
155	The Prothrombin C>T Mutation at Position 20209 (F2 20209*T) Promotes 3â€²end mRNA Processing and Thus Contributes to Thrombophilia through Gain-of-Function.. Blood, 2005, 106, 2145-2145.	1.4	0
156	The Molecular Signature of Iron Metabolism in Polycythaemia Mice.. Blood, 2005, 106, 3579-3579.	1.4	0
157	A Poly(A) Tail-Responsive In Vitro System for Cap- or IRES-Driven Translation From HeLa Cells. , 2004, 257, 171-180.		24
158	Targeted mutagenesis of the murine IRP1 and IRP2 genes reveals context-dependent RNA processing differences in vivo. Rna, 2004, 10, 1019-1025.	3.5	47
159	Iron-Mediated Degradation of IRP2, an Unexpected Pathway Involving a 2-Oxoglutarate-Dependent Oxygenase Activity. Molecular and Cellular Biology, 2004, 24, 954-965.	2.3	117
160	Expression of epithelial cell iron-related genes upon infection by Neisseria meningitidis. Cellular Microbiology, 2004, 6, 473-484.	2.1	24
161	An Hfe-dependent pathway mediates hyposideremia in response to lipopolysaccharide-induced inflammation in mice. Nature Genetics, 2004, 36, 481-485.	21.4	108
162	Nonsense-mediated decay approaches the clinic. Nature Genetics, 2004, 36, 801-808.	21.4	546

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163	Molecular mechanisms of translational control. Nature Reviews Molecular Cell Biology, 2004, 5, 827-835.	37.0	824
164	Iron overload in adult Hfe-deficient mice independent of changes in the steady-state expression of the duodenal iron transporters DMT1 and Ireg1/ferroportin. Journal of Molecular Medicine, 2004, 82, 39-48.	3.9	61
165	Nonsense-mediated mRNA decay: from vacuum cleaner to Swiss army knife. Genome Biology, 2004, 5, 218.	9.6	64
166	Molecular analysis of iron overload in Î²2-microglobulin-deficient mice. Blood Cells, Molecules, and Diseases, 2004, 33, 125-131.	1.4	39
167	Enhancement of IRES-Mediated Translation of the c-myc and BiP mRNAs by the Poly(A) Tail Is Independent of Intact eIF4G and PABP. Molecular Cell, 2004, 15, 925-935.	9.7	86
168	Balancing Acts. Cell, 2004, 117, 285-297.	28.9	1,544
169	Using the Î»N Peptide to Tether Proteins to RNAs. , 2004, 257, 135-154.		92
170	The prothrombin 3â€²end formation signal reveals a unique architecture that is sensitive to thrombophilic gain-of-function mutations. Blood, 2004, 104, 428-435.	1.4	69
171	A co-repressor assembly nucleated by Sex-lethal in the 3'UTR mediates translational control of Drosophila msl-2 mRNA. EMBO Journal, 2003, 22, 5571-5581.	7.8	45
172	Mouse brains deficient in H-ferritin have normal iron concentration but a protein profile of iron deficiency and increased evidence of oxidative stress. Journal of Neuroscience Research, 2003, 71, 46-63.	2.9	158
173	Starting the protein synthesis machine: eukaryotic translation initiation. BioEssays, 2003, 25, 1201-1211.	2.5	177
174	Homodirectional changes in transcriptome composition and mRNA translation induced by rapamycin and heat shock. Nature Structural and Molecular Biology, 2003, 10, 1039-1047.	8.2	138
175	Regulatory defects in liver and intestine implicate abnormal hepcidin and Cybrd1 expression in mouse hemochromatosis. Nature Genetics, 2003, 34, 102-107.	21.4	274
176	Y14 and hUpf3b Form an NMD-Activating Complex. Molecular Cell, 2003, 11, 939-949.	9.7	258
177	Drosophila Sex-Lethal Inhibits the Stable Association of the 40S Ribosomal Subunit with msl-2 mRNA. Molecular Cell, 2003, 11, 1397-1404.	9.7	66
178	Phosphorylation of hUPF1 Induces Formation of mRNA Surveillance Complexes Containing hSMG-5 and hSMG-7. Molecular Cell, 2003, 12, 1187-1200.	9.7	294
179	The interaction of the cap-binding complex (CBC) with eIF4G is dispensable for translation in yeast. Rna, 2003, 9, 654-662.	3.5	23
180	Relationships and distinctions in iron-regulatory networks responding to interrelated signals. Blood, 2003, 101, 3690-3698.	1.4	57

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