

Matthias W Hentze

List of Publications by Year in descending order

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241
papers

35,012
citations

2669

95
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3903

177
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259
all docs

259
docs citations

259
times ranked

30253
citing authors

#	ARTICLE	IF	CITATIONS
1	Vault RNA1 ^Δ 1 riboregulates the autophagic function of p62 by binding to lysine 7 and arginine 21, both of which are critical for p62 oligomerization. <i>Rna</i> , 2022, 28, 742-755.	1.6	9
2	Constitutional PIGA mutations cause a novel subtype of hemochromatosis in patients with neurologic dysfunction. <i>Blood</i> , 2022, 139, 1418-1422.	0.6	8
3	Riboregulation of Enolase 1 activity controls glycolysis and embryonic stem cell differentiation. <i>Molecular Cell</i> , 2022, 82, 2666-2680.e11.	4.5	37
4	RNA-binding proteins in human genetic disease. <i>Nature Reviews Genetics</i> , 2021, 22, 185-198.	7.7	720
5	Global analysis of RNA-binding protein dynamics by comparative and enhanced RNA interactome capture. <i>Nature Protocols</i> , 2021, 16, 27-60.	5.5	31
6	NMD inhibition by 5-azacytidine augments presentation of immunogenic frameshift-derived neoepitopes. <i>IScience</i> , 2021, 24, 102389.	1.9	22
7	Identification of dynamic RNA-binding proteins uncovers a Cpeb4-controlled regulatory cascade during pathological cell growth of cardiomyocytes. <i>Cell Reports</i> , 2021, 35, 109100.	2.9	19
8	Blasticidin S inhibits mammalian translation and enhances production of protein encoded by nonsense mRNA. <i>Nucleic Acids Research</i> , 2021, 49, 7665-7679.	6.5	13
9	Core Cross-Linked Polymeric Micelles for Specific Iron Delivery: Inducing Sterile Inflammation in Macrophages. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100385.	3.9	13
10	Atherosclerosis is aggravated by iron overload and ameliorated by dietary and pharmacological iron restriction. <i>European Heart Journal</i> , 2020, 41, 2681-2695.	1.0	162
11	A Genetically Encoded Diazirine Analogue for RNA ^Δ Protein Photo ^Δ Crosslinking. <i>ChemBioChem</i> , 2020, 21, 88-93.	1.3	10
12	High vault-age TM : non-coding RNA control of autophagy. <i>Open Biology</i> , 2020, 10, 190307.	1.5	28
13	Condensation of Ded1p Promotes a Translational Switch from Housekeeping to Stress Protein Production. <i>Cell</i> , 2020, 181, 818-831.e19.	13.5	130
14	Plasticity of nuclear and cytoplasmic stress responses of RNA-binding proteins. <i>Nucleic Acids Research</i> , 2020, 48, 4725-4740.	6.5	40
15	The RNA-Binding Protein YBX3 Controls Amino Acid Levels by Regulating SLC mRNA Abundance. <i>Cell Reports</i> , 2019, 27, 3097-3106.e5.	2.9	47
16	Vault RNA emerges as a regulator of selective autophagy. <i>Autophagy</i> , 2019, 15, 1463-1464.	4.3	10
17	The Small Non-coding Vault RNA1-1 Acts as a Riboregulator of Autophagy. <i>Cell</i> , 2019, 176, 1054-1067.e12.	13.5	125
18	The Human RNA-Binding Proteome and Its Dynamics during Translational Arrest. <i>Cell</i> , 2019, 176, 391-403.e19.	13.5	289

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19	Sensing of Liver Iron Content Requires Cell-Cell Communication between Hepatocytes and Liver Sinusoidal Endothelial Cells. <i>Blood</i> , 2019, 134, 432-432.	0.6	1
20	A brave new world of RNA-binding proteins. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 327-341.	16.1	1,172
21	The RNA-binding protein YBX1 regulates epidermal progenitors at a posttranscriptional level. <i>Nature Communications</i> , 2018, 9, 1734.	5.8	55
22	Silica-based solid-phase extraction of cross-linked nucleic acid-bound proteins. <i>Life Science Alliance</i> , 2018, 1, e201800088.	1.3	49
23	Discovery of RNA-binding proteins and characterization of their dynamic responses by enhanced RNA interactome capture. <i>Nature Communications</i> , 2018, 9, 4408.	5.8	138
24	Elisa Izaurralde 1959-2018. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 547-547.	3.6	2
25	A Red Carpet for Iron Metabolism. <i>Cell</i> , 2017, 168, 344-361.	13.5	847
26	Insights into the design and interpretation of iCLIP experiments. <i>Genome Biology</i> , 2017, 18, 7.	3.8	73
27	Specific RNP capture with antisense LNA/DNA mixmers. <i>Rna</i> , 2017, 23, 1290-1302.	1.6	41
28	Cellular citrate levels establish a regulatory link between energy metabolism and the hepatic iron hormone hepcidin. <i>Journal of Molecular Medicine</i> , 2017, 95, 851-860.	1.7	8
29	Identification of RNA-binding domains of RNA-binding proteins in cultured cells on a system-wide scale with RBDmap. <i>Nature Protocols</i> , 2017, 12, 2447-2464.	5.5	32
30	Characterization of the African Swine Fever Virus Decapping Enzyme during Infection. <i>Journal of Virology</i> , 2017, 91, .	1.5	29
31	Low-iron diet and chelation therapy rescue severe atherosclerosis associated with high circulating iron levels. <i>Atherosclerosis</i> , 2017, 263, e15-e16.	0.4	1
32	Dual function of UPF3B in early and late translation termination. <i>EMBO Journal</i> , 2017, 36, 2968-2986.	3.5	89
33	The actin-binding protein profilin 2 is a novel regulator of iron homeostasis. <i>Blood</i> , 2017, 130, 1934-1945.	0.6	26
34	Iron Induces Anti-tumor Activity in Tumor-Associated Macrophages. <i>Frontiers in Immunology</i> , 2017, 8, 1479.	2.2	121
35	Anti-hemojuvelin antibody corrects anemia caused by inappropriately high hepcidin levels. <i>Haematologica</i> , 2016, 101, e173-e176.	1.7	44
36	Global changes of the RNA-bound proteome during the maternal-to-zygotic transition in <i>Drosophila</i> . <i>Nature Communications</i> , 2016, 7, 12128.	5.8	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. <i>Rna</i> , 2016, 22, 1441-1453.	1.6	36
38	In Planta Determination of the mRNA-Binding Proteome of Arabidopsis Etiolated Seedlings. <i>Plant Cell</i> , 2016, 28, 2435-2452.	3.1	158
39	Exon Junction Complexes Show a Distributional Bias toward Alternatively Spliced mRNAs and against mRNAs Coding for Ribosomal Proteins. <i>Cell Reports</i> , 2016, 16, 1588-1603.	2.9	65
40	The Cardiomyocyte RNA-Binding Proteome: Links to Intermediary Metabolism and Heart Disease. <i>Cell Reports</i> , 2016, 16, 1456-1469.	2.9	128
41	Comprehensive Identification of RNA-Binding Domains in Human Cells. <i>Molecular Cell</i> , 2016, 63, 696-710.	4.5	493
42	Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. <i>European Heart Journal</i> , 2016, 38, ehw333.	1.0	115
43	Identification of RNA-binding Proteins in Macrophages by Interactome Capture. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2699-2714.	2.5	88
44	IRES unplugged. <i>Science</i> , 2016, 351, 228-228.	6.0	9
45	Proteomic Analysis Reveals Branch-specific Regulation of the Unfolded Protein Response by Nonsense-mediated mRNA Decay. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1584-1597.	2.5	28
46	Mice with hepcidin-resistant ferroportin accumulate iron in the retina. <i>FASEB Journal</i> , 2016, 30, 813-823.	0.2	32
47	Comprehensive Identification of RNA-Binding Proteins by RNA Interactome Capture. <i>Methods in Molecular Biology</i> , 2016, 1358, 131-139.	0.4	53
48	Low-Iron Diet and Chelation Therapy Rescue Severe Atherosclerosis Associated with High Circulating Iron Levels. <i>Blood</i> , 2016, 128, 199-199.	0.6	2
49	A novel inflammatory pathway mediating rapid hepcidin-independent hypoferremia. <i>Blood</i> , 2015, 125, 2265-2275.	0.6	144
50	The RNA-binding proteomes from yeast to man harbour conserved enigmRBPs. <i>Nature Communications</i> , 2015, 6, 10127.	5.8	385
51	Ferritin-Mediated Iron Sequestration Stabilizes Hypoxia-Inducible Factor-1 α upon LPS Activation in the Presence of Ample Oxygen. <i>Cell Reports</i> , 2015, 13, 2048-2055.	2.9	106
52	Iron Regulatory Protein 1 Sustains Mitochondrial Iron Loading and Function in Frataxin Deficiency. <i>Cell Metabolism</i> , 2015, 21, 311-323.	7.2	61
53	Iron Regulatory Proteins Mediate Host Resistance to Salmonella Infection. <i>Cell Host and Microbe</i> , 2015, 18, 254-261.	5.1	92
54	Metabolic Enzymes Enjoying New Partnerships as RNA-Binding Proteins. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 746-757.	3.1	219

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55	Improved binding site assignment by high-resolution mapping of RNA-protein interactions using iCLIP. <i>Nature Communications</i> , 2015, 6, 7921.	5.8	32
56	FASTKD2 is an RNA-binding protein required for mitochondrial RNA processing and translation. <i>Rna</i> , 2015, 21, 1873-1884.	1.6	78
57	A network of SMG-8, SMG-9 and SMG-1 C-terminal insertion domain regulates UPF1 substrate recruitment and phosphorylation. <i>Nucleic Acids Research</i> , 2015, 43, 7600-7611.	6.5	51
58	A versatile assay for RNA-binding proteins in living cells. <i>Rna</i> , 2014, 20, 721-731.	1.6	33
59	5' cap end processing: A tale of the tail reaches the clinic. <i>EMBO Molecular Medicine</i> , 2014, 6, 16-26.	3.3	38
60	Resistance of Ferroportin to Heparin Binding causes Exocrine Pancreatic Failure and Fatal Iron Overload. <i>Cell Metabolism</i> , 2014, 20, 359-367.	7.2	98
61	Iron Regulatory Protein-1 Protects against Mitoferrin-1-deficient Porphyria. <i>Journal of Biological Chemistry</i> , 2014, 289, 7835-7843.	1.6	34
62	Photo-cross-linking and high-resolution mass spectrometry for assignment of RNA-binding sites in RNA-binding proteins. <i>Nature Methods</i> , 2014, 11, 1064-1070.	9.0	218
63	5-azacytidine inhibits nonsense-mediated decay in a MYC-dependent fashion. <i>EMBO Molecular Medicine</i> , 2014, 6, 1593-1609.	3.3	51
64	Unbiased RNAi screen for hepcidin regulators links hepcidin suppression to proliferative Ras/RAF and nutrient-dependent mTOR signaling. <i>Blood</i> , 2014, 123, 1574-1585.	0.6	62
65	An Inflammatory Pathway Mediating Rapid Hepcidin-Independent Hypoferremia. <i>Blood</i> , 2014, 124, 214-214.	0.6	0
66	Profilin2 Is Controlled By the Iron Regulatory Proteins and Modulates Iron Homeostasis. <i>Blood</i> , 2014, 124, 749-749.	0.6	0
67	Abnormal body iron distribution and erythropoiesis in a novel mouse model with inducible gain of iron regulatory protein (IRP)-1 function. <i>Journal of Molecular Medicine</i> , 2013, 91, 871-881.	1.7	13
68	The RNA-binding protein repertoire of embryonic stem cells. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1122-1130.	3.6	415
69	Making sense of nonsense. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 651-653.	3.6	10
70	Iron Regulatory Proteins Control a Mucosal Block to Intestinal Iron Absorption. <i>Cell Reports</i> , 2013, 3, 844-857.	2.9	81
71	Pathologies at the nexus of blood coagulation and inflammation: thrombin in hemostasis, cancer, and beyond. <i>Journal of Molecular Medicine</i> , 2013, 91, 1257-1271.	1.7	97
72	System-wide identification of RNA-binding proteins by interactome capture. <i>Nature Protocols</i> , 2013, 8, 491-500.	5.5	176

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73	The IRP1-HIF-2 α Axis Coordinates Iron and Oxygen Sensing with Erythropoiesis and Iron Absorption. <i>Cell Metabolism</i> , 2013, 17, 282-290.	7.2	174
74	Circular RNAs: splicing α 's enigma variations. <i>EMBO Journal</i> , 2013, 32, 923-925.	3.5	412
75	RNA-binding proteins in Mendelian disease. <i>Trends in Genetics</i> , 2013, 29, 318-327.	2.9	211
76	The hemochromatosis proteins HFE, TfR2, and HJV form a membrane-associated protein complex for hepcidin regulation. <i>Journal of Hepatology</i> , 2012, 57, 1052-1060.	1.8	166
77	Insights into RNA Biology from an Atlas of Mammalian mRNA-Binding Proteins. <i>Cell</i> , 2012, 149, 1393-1406.	13.5	1,765
78	Automated High-Throughput RNAi Screening in Human Cells Combined with Reporter mRNA Transfection to Identify Novel Regulators of Translation. <i>PLoS ONE</i> , 2012, 7, e45943.	1.1	8
79	PABP and the poly(A) tail augment microRNA repression by facilitated miRISC binding. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 603-608.	3.6	100
80	From Cis-Regulatory Elements to Complex RNPs and Back. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a012245-a012245.	2.3	80
81	Translational Control via Protein-Regulated Upstream Open Reading Frames. <i>Cell</i> , 2011, 145, 902-913.	13.5	118
82	p38 MAPK Controls Prothrombin Expression by Regulated RNA 3' End Processing. <i>Molecular Cell</i> , 2011, 41, 298-310.	4.5	70
83	Iron regulatory protein-1 and -2: transcriptome-wide definition of binding mRNAs and shaping of the cellular proteome by iron regulatory proteins. <i>Blood</i> , 2011, 118, e168-e179.	0.6	108
84	An efficient factor-depleted mammalian in vitro translation system. <i>Nature Protocols</i> , 2011, 6, 563-571.	5.5	50
85	Mechanism of escape from nonsense-mediated mRNA decay of human β -globin transcripts with nonsense mutations in the first exon. <i>Rna</i> , 2011, 17, 843-854.	1.6	120
86	The liver-specific microRNA miR-122 controls systemic iron homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1386-1396.	3.9	221
87	Iron Regulatory Proteins in Systemic Iron Metabolism and Erythropoiesis. <i>Blood</i> , 2011, 118, SCI-22-SCI-22.	0.6	0
88	SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. <i>Blood</i> , 2010, 115, 2657-2665.	0.6	112
89	Serum ferritin is derived primarily from macrophages through a nonclassical secretory pathway. <i>Blood</i> , 2010, 116, 1574-1584.	0.6	364
90	The REM phase of gene regulation. <i>Trends in Biochemical Sciences</i> , 2010, 35, 423-426.	3.7	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.	1.2	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.	6.5	79
94	NMD: RNA biology meets human genetic medicine. Biochemical Journal, 2010, 430, 365-377.	1.7	192
95	Mechanism of translational regulation by miR-2 from sites in the 5' untranslated region or the open reading frame. Rna, 2010, 16, 2493-2502.	1.6	135
96	The Role of ABCE1 in Eukaryotic Posttermination Ribosomal Recycling. Molecular Cell, 2010, 37, 196-210.	4.5	290
97	Two to Tango: Regulation of Mammalian Iron Metabolism. Cell, 2010, 142, 24-38.	13.5	1,692
98	Iron Regulatory Proteins Secure Mitochondrial Iron Sufficiency and Function. Cell Metabolism, 2010, 12, 194-201.	7.2	110
99	microRNA-Mediated Messenger RNA Deadenylation Contributes to Translational Repression in Mammalian Cells. PLoS ONE, 2009, 4, e6783.	1.1	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.	2.6	114
101	EMBO Molecular Medicine: Conquering new frontiers. EMBO Molecular Medicine, 2009, 1, 5-5.	3.3	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.	1.7	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.	1.7	10
104	Unusual bipartite mode of interaction between the nonsense-mediated decay factors, UPF1 and UPF2. EMBO Journal, 2009, 28, 2293-2306.	3.5	126
105	Disassembly of Exon Junction Complexes by PYM. Cell, 2009, 137, 536-548.	13.5	162
106	Drosophila miR2 Primarily Targets the m7GpppN Cap Structure for Translational Repression. Molecular Cell, 2009, 35, 881-888.	4.5	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.	4.5	70
108	Cell-autonomous and systemic context-dependent functions of iron regulatory protein 2 in mammalian iron metabolism. Blood, 2009, 113, 679-687.	0.6	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. <i>Journal of Molecular Medicine</i> , 2008, 86, 531-540.	1.7	121
110	Interactions between UPF1, eRFs, PABP and the exon junction complex suggest an integrated model for mammalian NMD pathways. <i>EMBO Journal</i> , 2008, 27, 736-747.	3.5	269
111	miChip: an array-based method for microRNA expression profiling using locked nucleic acid capture probes. <i>Nature Protocols</i> , 2008, 3, 321-329.	5.5	126
112	3' end mRNA processing: molecular mechanisms and implications for health and disease. <i>EMBO Journal</i> , 2008, 27, 482-498.	3.5	246
113	Systemic Iron Homeostasis and the Iron-Responsive Element/Iron-Regulatory Protein (IRE/IRP) Regulatory Network. <i>Annual Review of Nutrition</i> , 2008, 28, 197-213.	4.3	572
114	Iron Regulatory Proteins Are Essential for Intestinal Function and Control Key Iron Absorption Molecules in the Duodenum. <i>Cell Metabolism</i> , 2008, 7, 79-85.	7.2	166
115	Chapter 23 Tethering Assays to Investigate Nonsense-Mediated mRNA Decay Activating Proteins. <i>Methods in Enzymology</i> , 2008, 448, 467-482.	0.4	15
116	Hfe Acts in Hepatocytes to Prevent Hemochromatosis. <i>Cell Metabolism</i> , 2008, 7, 173-178.	7.2	139
117	Translation initiation by the c-myc mRNA internal ribosome entry sequence and the poly(A) tail. <i>Rna</i> , 2008, 14, 1579-1589.	1.6	21
118	A Closer Look at Cellular Iron Metabolism in IRP2 Deficient Erythroblasts. <i>Blood</i> , 2008, 112, 3843-3843.	0.6	0
119	Complex translational regulation of BACE1 involves upstream AUGs and stimulatory elements within the 5' untranslated region. <i>Nucleic Acids Research</i> , 2007, 35, 2975-2985.	6.5	55
120	Studying Translational Control in Drosophila Cell-Free Systems. <i>Methods in Enzymology</i> , 2007, 429, 23-33.	0.4	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. <i>Nucleic Acids Research</i> , 2007, 35, 4542-4551.	6.5	107
122	STAT3 mediates hepatic hepcidin expression and its inflammatory stimulation. <i>Blood</i> , 2007, 109, 353-358.	0.6	485
123	Physiologic systemic iron metabolism in mice deficient for duodenal Hfe. <i>Blood</i> , 2007, 109, 4511-4517.	0.6	68
124	Is congenital secondary erythrocytosis/polycythemia caused by activating mutations within the HIF-2 α iron-responsive element?. <i>Blood</i> , 2007, 110, 2776-2777.	0.6	5
125	miChip: A microarray platform for expression profiling of microRNAs based on locked nucleic acid (LNA) oligonucleotide capture probes. <i>Methods</i> , 2007, 43, 146-152.	1.9	65
126	Expression of the subgenomic hepatitis C virus replicon alters iron homeostasis in Huh7 cells. <i>Journal of Hepatology</i> , 2007, 47, 12-22.	1.8	38

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127	Ca ²⁺ channel blockers reverse iron overload by a new mechanism via divalent metal transporter-1. <i>Nature Medicine</i> , 2007, 13, 448-454.	15.2	145
128	Identification of target mRNAs of regulatory RNA-binding proteins using mRNP immunopurification and microarrays. <i>Nature Protocols</i> , 2007, 2, 2033-2042.	5.5	10
129	Splicing factors stimulate polyadenylation via USEs at non-canonical 3' end formation signals. <i>EMBO Journal</i> , 2007, 26, 2658-2669.	3.5	75
130	Iron-regulatory proteins limit hypoxia-inducible factor-2 α expression in iron deficiency. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 420-426.	3.6	253
131	A conserved motif in Argonaute-interacting proteins mediates functional interactions through the Argonaute PIWI domain. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 897-903.	3.6	218
132	<i>Drosophila</i> miR2 induces pseudo-polysomes and inhibits translation initiation. <i>Nature</i> , 2007, 447, 875-878.	13.7	275
133	Hfe Acts in Hepatocytes To Prevent Hemochromatosis.. <i>Blood</i> , 2007, 110, 703-703.	0.6	1
134	A sensitive array for microRNA expression profiling (miChip) based on locked nucleic acids (LNA). <i>Rna</i> , 2006, 12, 913-920.	1.6	375
135	Bruno Acts as a Dual Repressor of oskar Translation, Promoting mRNA Oligomerization and Formation of Silencing Particles. <i>Cell</i> , 2006, 124, 521-533.	13.5	200
136	A chemiluminescence-based reporter system to monitor nonsense-mediated mRNA decay. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 186-191.	1.0	55
137	Iron homeostasis in the brain: complete iron regulatory protein 2 deficiency without symptomatic neurodegeneration in the mouse. <i>Nature Genetics</i> , 2006, 38, 967-969.	9.4	58
138	Internal ribosome entry sequence-mediated translation initiation triggers nonsense-mediated decay. <i>EMBO Reports</i> , 2006, 7, 722-726.	2.0	19
139	IRP1-independent alterations of cardiac iron metabolism in doxorubicin-treated mice. <i>Journal of Molecular Medicine</i> , 2006, 84, 551-560.	1.7	25
140	The uORF-containing thrombopoietin mRNA escapes nonsense-mediated decay (NMD). <i>Nucleic Acids Research</i> , 2006, 34, 2355-2363.	6.5	41
141	The Molecular Circuitry Regulating the Switch between Iron Deficiency and Overload in Mice. <i>Journal of Biological Chemistry</i> , 2006, 281, 7946-7951.	1.6	15
142	Functions of hUpf3a and hUpf3b in nonsense-mediated mRNA decay and translation. <i>Rna</i> , 2006, 12, 1015-1022.	1.6	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. <i>Genes and Development</i> , 2006, 20, 368-379.	2.7	78
144	3' End Processing of the Prothrombin mRNA in Thrombophilia. <i>Acta Haematologica</i> , 2006, 115, 192-197.	0.7	31

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145	Iron Regulation and the Cell Cycle. <i>Journal of Biological Chemistry</i> , 2006, 281, 22865-22874.	1.6	103
146	Targeted Disruption of the Mouse Mitoferrin (Slc25A37) Mitochondrial Solute Carrier Results in Defective Primitive and Definitive Erythropoiesis.. <i>Blood</i> , 2006, 108, 265-265.	0.6	5
147	The Physiology of Prothrombin Gene Expression Integrates RNA Polyadenylation and Splicing in a Novel Regulatable 3' RNP-Complex.. <i>Blood</i> , 2006, 108, 1601-1601.	0.6	0
148	Generation of conditional alleles of the murine iron regulatory protein (IRP)-1 and -2 genes. <i>Genesis</i> , 2005, 43, 181-188.	0.8	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. <i>Journal of Biological Chemistry</i> , 2005, 280, 9049-9057.	1.6	95
151	Eukaryotic translation initiation factor 4G1 and p97 promote cellular internal ribosome entry sequence-driven translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13421-13426.	3.3	85
152	Altered body iron distribution and microcytosis in mice deficient in iron regulatory protein 2 (IRP2). <i>Blood</i> , 2005, 106, 2580-2589.	0.6	193
153	Exon-Junction Complex Components Specify Distinct Routes of Nonsense-Mediated mRNA Decay with Differential Cofactor Requirements. <i>Molecular Cell</i> , 2005, 20, 65-75.	4.5	277
154	A Dual Inhibitory Mechanism Restricts msl-2 mRNA Translation for Dosage Compensation in <i>Drosophila</i> . <i>Cell</i> , 2005, 122, 529-540.	13.5	96
155	The Prothrombin C>T Mutation at Position 20209 (F2 20209*T) Promotes 3' end mRNA Processing and Thus Contributes to Thrombophilia through Gain-of-Function.. <i>Blood</i> , 2005, 106, 2145-2145.	0.6	0
156	The Molecular Signature of Iron Metabolism in Polycythaemia Mice.. <i>Blood</i> , 2005, 106, 3579-3579.	0.6	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. <i>Rna</i> , 2004, 10, 1019-1025.	1.6	47
159	Iron-Mediated Degradation of IRP2, an Unexpected Pathway Involving a 2-Oxoglutarate-Dependent Oxygenase Activity. <i>Molecular and Cellular Biology</i> , 2004, 24, 954-965.	1.1	117
160	Expression of epithelial cell iron-related genes upon infection by <i>Neisseria meningitidis</i> . <i>Cellular Microbiology</i> , 2004, 6, 473-484.	1.1	24
161	An Hfe-dependent pathway mediates hyposideremia in response to lipopolysaccharide-induced inflammation in mice. <i>Nature Genetics</i> , 2004, 36, 481-485.	9.4	108
162	Nonsense-mediated decay approaches the clinic. <i>Nature Genetics</i> , 2004, 36, 801-808.	9.4	546

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163	Molecular mechanisms of translational control. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 827-835.	16.1	824
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