

Stefan Hättelmaier

List of Publications by Year in descending order

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101
papers

9,879
citations

46918

47
h-index

38300

95
g-index

107
all docs

107
docs citations

107
times ranked

12319
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition of RNA N6-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. <i>Nature Cell Biology</i> , 2018, 20, 285-295.	4.6	1,650
2	Spatial regulation of β -actin translation by Src-dependent phosphorylation of ZBP1. <i>Nature</i> , 2005, 438, 512-515.	13.7	569
3	Insulin-like growth factor 2 mRNA-binding proteins (IGF2BPs): post-transcriptional drivers of cancer progression?. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2657-2675.	2.4	533
4	The Critical Role of RNA m6A Methylation in Cancer. <i>Cancer Research</i> , 2019, 79, 1285-1292.	0.4	505
5	Single cell behavior in metastatic primary mammary tumors correlated with gene expression patterns revealed by molecular profiling. <i>Cancer Research</i> , 2002, 62, 6278-88.	0.4	331
6	Control of c-myc mRNA stability by IGF2BP1-associated cytoplasmic RNPs. <i>Rna</i> , 2009, 15, 104-115.	1.6	262
7	Metavinculin Mutations Alter Actin Interaction in Dilated Cardiomyopathy. <i>Circulation</i> , 2002, 105, 431-437.	1.6	256
8	IGF2BP1 promotes SRF-dependent transcription in cancer in a m6A- and miRNA-dependent manner. <i>Nucleic Acids Research</i> , 2019, 47, 375-390.	6.5	256
9	Two ZBP1 KH domains facilitate β -actin mRNA localization, granule formation, and cytoskeletal attachment. <i>Journal of Cell Biology</i> , 2003, 160, 77-87.	2.3	233
10	Phosphorylation of the Vasodilator-stimulated Phosphoprotein Regulates Its Interaction with Actin. <i>Journal of Biological Chemistry</i> , 2000, 275, 30817-30825.	1.6	223
11	The role of the oncofetal IGF2 mRNA-binding protein 3 (IGF2BP3) in cancer. <i>Seminars in Cancer Biology</i> , 2014, 29, 3-12.	4.3	204
12	Activation of oligodendroglial Fyn kinase enhances translation of mRNAs transported in hnRNP A2-dependent RNA granules. <i>Journal of Cell Biology</i> , 2008, 181, 579-586.	2.3	168
13	ZBP1 regulates mRNA stability during cellular stress. <i>Journal of Cell Biology</i> , 2006, 175, 527-534.	2.3	163
14	Mass Spectrometric Identification of SARS-CoV-2 Proteins from Gargle Solution Samples of COVID-19 Patients. <i>Journal of Proteome Research</i> , 2020, 19, 4389-4392.	1.8	159
15	Insulin-like growth factor 2 mRNA-binding protein 1 (IGF2BP1) is an important protumorigenic factor in hepatocellular carcinoma. <i>Hepatology</i> , 2014, 59, 1900-1911.	3.6	155
16	The interaction of the cell-contact proteins VASP and vinculin is regulated by phosphatidylinositol-4,5-bisphosphate. <i>Current Biology</i> , 1998, 8, 479-488.	1.8	153
17	Maturation of mammalian H/ACA box snoRNAs: PAPD5-dependent adenylation and PARN-dependent trimming. <i>Rna</i> , 2012, 18, 958-972.	1.6	133
18	AML1-ETO requires enhanced C/D box snoRNA/RNP formation to induce self-renewal and leukaemia. <i>Nature Cell Biology</i> , 2017, 19, 844-855.	4.6	132

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19	UNR/CSDE1 Drives a Post-transcriptional Program to Promote Melanoma Invasion and Metastasis. <i>Cancer Cell</i> , 2016, 30, 694-707.	7.7	131
20	The Emerging Roles of RNA m6A Methylation and Demethylation as Critical Regulators of Tumorigenesis, Drug Sensitivity, and Resistance. <i>Cancer Research</i> , 2021, 81, 3431-3440.	0.4	129
21	IGF2BP1 promotes cell migration by regulating MK5 and PTEN signaling. <i>Genes and Development</i> , 2012, 26, 176-189.	2.7	122
22	Characterization of the actin binding properties of the vasodilator-stimulated phosphoprotein VASP. <i>FEBS Letters</i> , 1999, 451, 68-74.	1.3	116
23	Asymmetric Sorting of Ash1p in Yeast Results from Inhibition of Translation by Localization Elements in the mRNA. <i>Molecular Cell</i> , 2002, 10, 1319-1330.	4.5	116
24	Stress granules are dispensable for mRNA stabilization during cellular stress. <i>Nucleic Acids Research</i> , 2015, 43, e26-e26.	6.5	105
25	ZBP2 Facilitates Binding of ZBP1 to β -Actin mRNA during Transcription. <i>Molecular and Cellular Biology</i> , 2007, 27, 8340-8351.	1.1	102
26	IGF2BP1 enhances an aggressive tumor cell phenotype by impairing miRNA-directed downregulation of oncogenic factors. <i>Nucleic Acids Research</i> , 2018, 46, 6285-6303.	6.5	100
27	Effects of a Novel Long Noncoding RNA, IncUSMycN, on N-Myc Expression and Neuroblastoma Progression. <i>Journal of the National Cancer Institute</i> , 2014, 106, .	3.0	98
28	The PTB interacting protein raver1 regulates β -tropomyosin alternative splicing. <i>EMBO Journal</i> , 2003, 22, 6356-6364.	3.5	97
29	Asymmetric Arginine Dimethylation of Heterogeneous Nuclear Ribonucleoprotein K by Protein-arginine Methyltransferase 1 Inhibits Its Interaction with c-Src. <i>Journal of Biological Chemistry</i> , 2006, 281, 11115-11125.	1.6	97
30	Characterization of Two F-Actin-Binding and Oligomerization Sites in the Cell-Contact Protein Vinculin. <i>FEBS Journal</i> , 1997, 247, 1136-1142.	0.2	95
31	Subcellular localization and RNP formation of IGF2BPs (IGF2 mRNA-binding proteins) is modulated by distinct RNA-binding domains. <i>Biological Chemistry</i> , 2013, 394, 1077-1090.	1.2	94
32	A peptide motif in Raver1 mediates splicing repression by interaction with the PTB RRM2 domain. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 839-848.	3.6	92
33	Keratins Mediate Localization of Hemidesmosomes and Repress Cell Motility. <i>Journal of Investigative Dermatology</i> , 2013, 133, 181-190.	0.3	89
34	WDR5 Supports an N-Myc Transcriptional Complex That Drives a Protumorigenic Gene Expression Signature in Neuroblastoma. <i>Cancer Research</i> , 2015, 75, 5143-5154.	0.4	88
35	The oncogenic triangle of HMGA2, LIN28B and IGF2BP1 antagonizes tumor-suppressive actions of the let-7 family. <i>Nucleic Acids Research</i> , 2016, 44, 3845-3864.	6.5	88
36	The oncofetal RNA-binding protein IGF2BP1 is a druggable, post-transcriptional super-enhancer of E2F-driven gene expression in cancer. <i>Nucleic Acids Research</i> , 2020, 48, 8576-8590.	6.5	83

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37	IGF2BP1 enhances HCV IRES-mediated translation initiation via the 3'UTR. <i>Rna</i> , 2009, 15, 1528-1542.	1.6	81
38	Plakophilin 1 stimulates translation by promoting eIF4A1 activity. <i>Journal of Cell Biology</i> , 2010, 188, 463-471.	2.3	72
39	She2p Is a Novel RNA Binding Protein with a Basic Helical Hairpin Motif. <i>Cell</i> , 2004, 119, 491-502.	13.5	66
40	The armadillo protein p0071 regulates Rho signalling during cytokinesis. <i>Nature Cell Biology</i> , 2006, 8, 1432-1440.	4.6	65
41	JMJD6 is a tumorigenic factor and therapeutic target in neuroblastoma. <i>Nature Communications</i> , 2019, 10, 3319.	5.8	63
42	IGF2BP1 promotes mesenchymal cell properties and migration of tumor-derived cells by enhancing the expression of LEF1 and SNAI2 (SLUG). <i>Nucleic Acids Research</i> , 2013, 41, 6618-6636.	6.5	59
43	The Histone Methyltransferase DOT1L Promotes Neuroblastoma by Regulating Gene Transcription. <i>Cancer Research</i> , 2017, 77, 2522-2533.	0.4	59
44	Clinical relevance of miR-mediated HLA-G regulation and the associated immune cell infiltration in renal cell carcinoma. <i>Oncotmunology</i> , 2015, 4, e1008805.	2.1	58
45	The proline-rich protein palladin is a binding partner for profilin. <i>FEBS Journal</i> , 2006, 273, 26-33.	2.2	57
46	Comprehensive analysis of translation from overexpressed circular RNAs reveals pervasive translation from linear transcripts. <i>Nucleic Acids Research</i> , 2020, 48, 10368-10382.	6.5	57
47	<i>IGF2BP1</i> Harbors Prognostic Significance by Gene Gain and Diverse Expression in Neuroblastoma. <i>Journal of Clinical Oncology</i> , 2015, 33, 1285-1293.	0.8	55
48	Combinatorial recognition of clustered RNA elements by the multidomain RNA-binding protein IMP3. <i>Nature Communications</i> , 2019, 10, 2266.	5.8	53
49	Ezrin expression is related to poor prognosis in FIGO stage I endometrioid carcinomas. <i>Modern Pathology</i> , 2006, 19, 581-587.	2.9	52
50	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.	4.5	51
51	Deep and accurate detection of m6A RNA modifications using miCLIP2 and m6Aboost machine learning. <i>Nucleic Acids Research</i> , 2021, 49, e92-e92.	6.5	50
52	Rapid identification of regulatory microRNAs by miTRAP (miRNA trapping by RNA in vitro affinity) <i>Trends in Microbiology</i> , 2010, 18, 480-488.	6.5	48
53	IGF2BP1. <i>Cell Adhesion and Migration</i> , 2012, 6, 312-318.	1.1	47
54	Promotion of importin β -mediated nuclear import by the phosphorylation-dependent binding of cargo protein to 14-3-3. <i>Journal of Cell Biology</i> , 2005, 169, 415-424.	2.3	45

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55	Balancing of mitochondrial translation through METTL8-mediated m3C modification of mitochondrial tRNAs. <i>Molecular Cell</i> , 2021, 81, 4810-4825.e12.	4.5	44
56	Why YRNAs? About Versatile RNAs and Their Functions. <i>Biomolecules</i> , 2013, 3, 143-156.	1.8	39
57	Pathogenic mechanisms of deregulated microRNA expression in thyroid carcinomas of follicular origin. <i>Thyroid Research</i> , 2011, 4, S1.	0.7	38
58	RNA-Binding Proteins in Acute Leukemias. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3409.	1.8	36
59	Insulin signaling via Akt2 switches plakophilin 1 functions from stabilizing cell adhesion to promoting cell proliferation. <i>Journal of Cell Science</i> , 2013, 126, 1832-44.	1.2	35
60	Therapeutic targeting of tumor-associated macrophages in pancreatic neuroendocrine tumors. <i>International Journal of Cancer</i> , 2018, 143, 1806-1816.	2.3	35
61	NOP10 predicts lung cancer prognosis and its associated small nucleolar RNAs drive proliferation and migration. <i>Oncogene</i> , 2021, 40, 909-921.	2.6	34
62	Near-infrared (NIR) dye-labeled RNAs identify binding of ZBP1 to the noncoding Y3-RNA. <i>Rna</i> , 2010, 16, 1420-1428.	1.6	31
63	The Y3** ncRNA promotes the 3' end processing of histone mRNAs. <i>Genes and Development</i> , 2015, 29, 1998-2003.	2.7	30
64	IGF2BP1 is the first positive marker for anaplastic thyroid carcinoma diagnosis. <i>Modern Pathology</i> , 2021, 34, 32-41.	2.9	29
65	Cell migration analysis: Segmenting scratch assay images with level sets and support vector machines. <i>Pattern Recognition</i> , 2012, 45, 3154-3165.	5.1	27
66	FMRP regulates actin filament organization via the armadillo protein p0071. <i>Rna</i> , 2013, 19, 1483-1496.	1.6	27
67	The differential statin effect on cytokine production of monocytes or macrophages is mediated by differential geranylgeranylation-dependent Rac1 activation. <i>Cell Death and Disease</i> , 2019, 10, 880.	2.7	26
68	Mud2 functions in transcription by recruiting the Prp19 and TREX complexes to transcribed genes. <i>Nucleic Acids Research</i> , 2018, 46, 9749-9763.	6.5	25
69	Drugging MYCN Oncogenic Signaling through the MYCN-PA2G4 Binding Interface. <i>Cancer Research</i> , 2019, 79, 5652-5667.	0.4	24
70	IGF2BP1, a Conserved Regulator of RNA Turnover in Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 632219.	1.6	24
71	Beyond Regulation of Cell Adhesion: Local Control of RhoA at the Cleavage Furrow by the p0071 Catenin. <i>Cell Cycle</i> , 2007, 6, 122-127.	1.3	22
72	IGF2BP1 is a targetable SRC/MAPK-dependent driver of invasive growth in ovarian cancer. <i>RNA Biology</i> , 2021, 18, 391-403.	1.5	21

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73	Identification of lymphocyte cell-specific protein-tyrosine kinase (LCK) as a driver for invasion and migration of oral cancer by tumor heterogeneity exploitation. <i>Molecular Cancer</i> , 2021, 20, 88.	7.9	21
74	Post-transcriptional regulation of MRTF-A by miRNAs during myogenic differentiation of myoblasts. <i>Nucleic Acids Research</i> , 2020, 48, 8927-8942.	6.5	20
75	POLIII-derived non-coding RNAs acting as scaffolds and decoys. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 880-885.	1.5	19
76	The p.S85C-mutation in MATR3 impairs stress granule formation in Matrin-3 myopathy. <i>Experimental Neurology</i> , 2018, 306, 222-231.	2.0	18
77	RNA Sequencing of Collecting Duct Renal Cell Carcinoma Suggests an Interaction between miRNA and Target Genes and a Predominance of Deregulated Solute Carrier Genes. <i>Cancers</i> , 2020, 12, 64.	1.7	18
78	Validation strategies for antibodies targeting modified ribonucleotides. <i>Rna</i> , 2020, 26, 1489-1506.	1.6	18
79	LINC00261 Is Differentially Expressed in Pancreatic Cancer Subtypes and Regulates a Pro-Epithelial Cell Identity. <i>Cancers</i> , 2020, 12, 1227.	1.7	17
80	Identification of RNA-Binding Proteins as Targetable Putative Oncogenes in Neuroblastoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5098.	1.8	16
81	RNA Binding Proteins as Drivers and Therapeutic Target Candidates in Pancreatic Ductal Adenocarcinoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4190.	1.8	16
82	Synthetic circular miR-21 RNA decoys enhance tumor suppressor expression and impair tumor growth in mice. <i>NAR Cancer</i> , 2020, 2, zcaa014.	1.6	12
83	The MicroRNA Landscape of MYCN-Amplified Neuroblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 647737.	1.3	12
84	Musashi1: A Stemness RBP for Cancer Therapy?. <i>Biology</i> , 2021, 10, 407.	1.3	11
85	Targeting HDACs in Pancreatic Neuroendocrine Tumor Models. <i>Cells</i> , 2021, 10, 1408.	1.8	11
86	Musashi1 enhances chemotherapy resistance of pediatric glioblastoma cells in vitro. <i>Pediatric Research</i> , 2020, 87, 669-676.	1.1	10
87	Oncogenic Potential of the Dual-Function Protein MEX3A. <i>Biology</i> , 2021, 10, 415.	1.3	10
88	Micro-RNA networks in T-cell prolymphocytic leukemia reflect T-cell activation and shape DNA damage response and survival pathways. <i>Haematologica</i> , 2022, 107, 187-200.	1.7	10
89	Noncanonical Function of AGO2 Augments T-cell Receptor Signaling in T-cell Prolymphocytic Leukemia. <i>Cancer Research</i> , 2022, 82, 1818-1831.	0.4	9
90	HDLBP binds ER-targeted mRNAs by multivalent interactions to promote protein synthesis of transmembrane and secreted proteins. <i>Nature Communications</i> , 2022, 13, 2727.	5.8	9

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91	Melanoma RBPome identification reveals PDIA6 as an unconventional RNA-binding protein involved in metastasis. <i>Nucleic Acids Research</i> , 2022, 50, 8207-8225.	6.5	9
92	Extraction of protein profiles from primary neurons using active contour models and wavelets. <i>Journal of Neuroscience Methods</i> , 2014, 225, 1-12.	1.3	8
93	MSI1 Promotes the Expression of the GBM Stem Cell Marker CD44 by Impairing miRNA-Dependent Degradation. <i>Cancers</i> , 2020, 12, 3654.	1.7	7
94	Comprehensive Analysis of LincRNAs in Classical and Basal-Like Subtypes of Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 2077.	1.7	6
95	IGF2BP1 Promotes Proliferation of Neuroendocrine Neoplasms by Post-Transcriptional Enhancement of EZH2. <i>Cancers</i> , 2022, 14, 2121.	1.7	6
96	From the Nucleus Toward the Cell Periphery: a Guided Tour for mRNAs. <i>Physiology</i> , 2003, 18, 7-11.	1.6	5
97	MiRNA Deregulation Distinguishes Anaplastic Thyroid Carcinoma (ATC) and Supports Upregulation of Oncogene Expression. <i>Cancers</i> , 2021, 13, 5913.	1.7	4
98	Fast forward evolution in real time: the rapid spread of SARS-CoV-2 variant of concern lineage B.1.1.7 in Saxony-Anhalt over a period of 5 months. <i>Laboratoriums Medizin</i> , 2022, 46, 71-75.	0.1	3
99	Automatic analysis of fluorescence labeled neurites in microscope images. , 2009, , .		1
100	Non-coding RNAs, the cutting edge of histone messages. <i>RNA Biology</i> , 2016, 13, 367-372.	1.5	1
101	It did not stop there: rapid substitution of circulating SARS-CoV-2 variant of concern B.1.1.7 (Alpha) by variant of concern B.1.617.2 (Delta) and further evolution of different Delta sublineages in Southern Saxony-Anhalt in late summer 2021. <i>Laboratoriums Medizin</i> , 2022, 46, 77-78.	0.1	0