Stefan HÃ¼ttelmaier

List of Publications by Year
in descending order

101 papers	9,879 citations	47006 47 h-index	38395 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. Nature Cell Biology, 2018, 20, 285-295.	10.3	1,650
2	Spatial regulation of Î²-actin translation by Src-dependent phosphorylation of ZBP1. Nature, 2005, 438, 512-515.	27.8	569
3	Insulin-like growth factor 2 mRNA-binding proteins (IGF2BPs): post-transcriptional drivers of cancer progression?. Cellular and Molecular Life Sciences, 2013, 70, 2657-2675.	5.4	533
4	The Critical Role of RNA m6A Methylation in Cancer. Cancer Research, 2019, 79, 1285-1292.	0.9	505
5	Single cell behavior in metastatic primary mammary tumors correlated with gene expression patterns revealed by molecular profiling. Cancer Research, 2002, 62, 6278-88.	0.9	331
6	Control of c-myc mRNA stability by IGF2BP1-associated cytoplasmic RNPs. Rna, 2009, 15, 104-115.	3.5	262
7	Metavinculin Mutations Alter Actin Interaction in Dilated Cardiomyopathy. Circulation, 2002, 105, 431-437.	1.6	256
8	IGF2BP1 promotes SRF-dependent transcription in cancer in a m6A- and miRNA-dependent manner. Nucleic Acids Research, 2019, 47, 375-390.	14.5	256
9	Two ZBP1 KH domains facilitate Î²-actin mRNA localization, granule formation, and cytoskeletal attachment. Journal of Cell Biology, 2003, 160, 77-87.	5.2	233
10	Phosphorylation of the Vasodilator-stimulated Phosphoprotein Regulates Its Interaction with Actin. Journal of Biological Chemistry, 2000, 275, 30817-30825.	3.4	223
11	The role of the oncofetal IGF2 mRNA-binding protein 3 (IGF2BP3) in cancer. Seminars in Cancer Biology, 2014, 29, 3-12.	9.6	204
12	Activation of oligodendroglial Fyn kinase enhances translation of mRNAs transported in hnRNP A2â€“dependent RNA granules. Journal of Cell Biology, 2008, 181, 579-586.	5.2	168
13	ZBP1 regulates mRNA stability during cellular stress. Journal of Cell Biology, 2006, 175, 527-534.	5.2	163
14	Mass Spectrometric Identification of SARS-CoV-2 Proteins from Gargle Solution Samples of COVID-19 Patients. Journal of Proteome Research, 2020, 19, 4389-4392.	3.7	159
15	Insulin-like growth factor 2 mRNA-binding protein 1 (IGF2BP1) is an important protumorigenic factor in hepatocellular carcinoma. Hepatology, 2014, 59, 1900-1911.	7.3	155
16	The interaction of the cell-contact proteins VASP and vinculin is regulated by phosphatidylinositol-4,5-bisphosphate. Current Biology, 1998, 8, 479-488.	3.9	153
17	Maturation of mammalian H/ACA box snoRNAs: PAPD5-dependent adenylation and PARN-dependent trimming. Rna, 2012, 18, 958-972.	3.5	133
18	AML1-ETO requires enhanced C/D box snoRNA/RNP formation to induce self-renewal and leukaemia. Nature Cell Biology, 2017, 19, 844-855.	10.3	132

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19	UNR/CSDE1 Drives a Post-transcriptional Program to Promote Melanoma Invasion and Metastasis. Cancer Cell, 2016, 30, 694-707.	16.8	131
20	The Emerging Roles of RNA m6A Methylation and Demethylation as Critical Regulators of Tumorigenesis, Drug Sensitivity, and Resistance. Cancer Research, 2021, 81, 3431-3440.	0.9	129
21	IGF2BP1 promotes cell migration by regulating MK5 and PTEN signaling. Genes and Development, 2012, 26, 176-189.	5.9	122
22	Characterization of the actin binding properties of the vasodilator-stimulated phosphoprotein VASP. FEBS Letters, 1999, 451, 68-74.	2.8	116
23	Asymmetric Sorting of Ash1p in Yeast Results from Inhibition of Translation by Localization Elements in the mRNA. Molecular Cell, 2002, 10, 1319-1330.	9.7	116
24	Stress granules are dispensable for mRNA stabilization during cellular stress. Nucleic Acids Research, 2015, 43, e26-e26.	14.5	105
25	ZBP2 Facilitates Binding of ZBP1 to Î²-Actin mRNA during Transcription. Molecular and Cellular Biology, 2007, 27, 8340-8351.	2.3	102
26	IGF2BP1 enhances an aggressive tumor cell phenotype by impairing miRNA-directed downregulation of oncogenic factors. Nucleic Acids Research, 2018, 46, 6285-6303.	14.5	100
27	Effects of a Novel Long Noncoding RNA, lncUSMycN, on N-Myc Expression and Neuroblastoma Progression. Journal of the National Cancer Institute, 2014, 106, .	6.3	98
28	The PTB interacting protein raver1 regulates Â-tropomyosin alternative splicing. EMBO Journal, 2003, 22, 6356-6364.	7.8	97
29	Asymmetric Arginine Dimethylation of Heterogeneous Nuclear Ribonucleoprotein K by Protein-arginine Methyltransferase 1 Inhibits Its Interaction with c-Src. Journal of Biological Chemistry, 2006, 281, 11115-11125.	3.4	97
30	Characterization of Two F-Actin-Binding and Oligornerization Sites in the Cell-Contact Protein Vinculin. FEBS Journal, 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. Biological Chemistry, 2013, 394, 1077-1090.	2.5	94
32	A peptide motif in Raver1 mediates splicing repression by interaction with the PTB RRM2 domain. Nature Structural and Molecular Biology, 2006, 13, 839-848.	8.2	92
33	Keratins Mediate Localization of Hemidesmosomes and Repress Cell Motility. Journal of Investigative Dermatology, 2013, 133, 181-190.	0.7	89
34	WDR5 Supports an N-Myc Transcriptional Complex That Drives a Protumorigenic Gene Expression Signature in Neuroblastoma. Cancer Research, 2015, 75, 5143-5154.	0.9	88
35	The oncogenic triangle of HMGA2, LIN28B and IGF2BP1 antagonizes tumor-suppressive actions of the let-7 family. Nucleic Acids Research, 2016, 44, 3845-3864.	14.5	88
36	The oncofetal RNA-binding protein IGF2BP1 is a druggable, post-transcriptional super-enhancer of E2F-driven gene expression in cancer. Nucleic Acids Research, 2020, 48, 8576-8590.	14.5	83

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37	IGF2BP1 enhances HCV IRES-mediated translation initiation via the 3â€²UTR. Rna, 2009, 15, 1528-1542.	3.5	81
38	Plakophilin 1 stimulates translation by promoting eIF4A1 activity. Journal of Cell Biology, 2010, 188, 463-471.	5.2	72
39	She2p Is a Novel RNA Binding Protein with a Basic Helical Hairpin Motif. Cell, 2004, 119, 491-502.	28.9	66
40	The armadillo protein p0071 regulates Rho signalling during cytokinesis. Nature Cell Biology, 2006, 8, 1432-1440.	10.3	65
41	JMJD6 is a tumorigenic factor and therapeutic target in neuroblastoma. Nature Communications, 2019, 10, 3319.	12.8	63
42	IGF2BP1 promotes mesenchymal cell properties and migration of tumor-derived cells by enhancing the expression of LEF1 and SNAI2 (SLUG). Nucleic Acids Research, 2013, 41, 6618-6636.	14.5	59
43	The Histone Methyltransferase DOT1L Promotes Neuroblastoma by Regulating Gene Transcription. Cancer Research, 2017, 77, 2522-2533.	0.9	59
44	Clinical relevance of miR-mediated HLA-G regulation and the associated immune cell infiltration in renal cell carcinoma. OncoImmunology, 2015, 4, e1008805.	4.6	58
45	The prolineâ€rich protein palladin is a binding partner for profilin. FEBS Journal, 2006, 273, 26-33.	4.7	57
46	Comprehensive analysis of translation from overexpressed circular RNAs reveals pervasive translation from linear transcripts. Nucleic Acids Research, 2020, 48, 10368-10382.	14.5	57
47	IGF2BP1 Harbors Prognostic Significance by Gene Gain and Diverse Expression in Neuroblastoma. Journal of Clinical Oncology, 2015, 33, 1285-1293.	1.6	55
48	Combinatorial recognition of clustered RNA elements by the multidomain RNA-binding protein IMP3. Nature Communications, 2019, 10, 2266.	12.8	53
49	Ezrin expression is related to poor prognosis in FIGO stage I endometrioid carcinomas. Modern Pathology, 2006, 19, 581-587.	5.5	52
50	HuD Is a Neural Translation Enhancer Acting on mTORC1-Responsive Genes and Counteracted by the Y3 Small Non-coding RNA. Molecular Cell, 2018, 71, 256-270.e10.	9.7	51
51	Deep and accurate detection of m6A RNA modifications using miCLIP2 and m6Aboost machine learning. Nucleic Acids Research, 2021, 49, e92-e92.	14.5	50
52	Rapid identification of regulatory microRNAs by miTRAP (miRNA trapping by RNA in vitro affinity) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	14.5	48
53	IGF2BP1. Cell Adhesion and Migration, 2012, 6, 312-318.	2.7	47
54	Promotion of importin Î±â€“mediated nuclear import by the phosphorylation-dependent binding of cargo protein to 14-3-3. Journal of Cell Biology, 2005, 169, 415-424.	5.2	45

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55	Balancing of mitochondrial translation through METTL8-mediated m3C modification of mitochondrial tRNAs. Molecular Cell, 2021, 81, 4810-4825.e12.	9.7	44
56	Why YRNAs? About Versatile RNAs and Their Functions. Biomolecules, 2013, 3, 143-156.	4.0	39
57	Pathogenic mechanisms of deregulated microRNA expression in thyroid carcinomas of follicular origin. Thyroid Research, 2011, 4, S1.	1.5	38
58	RNA-Binding Proteins in Acute Leukemias. International Journal of Molecular Sciences, 2020, 21, 3409.	4.1	36
59	Insulin signaling via Akt2 switches plakophilin 1 functions from stabilizing cell adhesion to promoting cell proliferation. Journal of Cell Science, 2013, 126, 1832-44.	2.0	35
60	Therapeutic targeting of tumorâ€associated macrophages in pancreatic neuroendocrine tumors. International Journal of Cancer, 2018, 143, 1806-1816.	5.1	35
61	NOP10 predicts lung cancer prognosis and its associated small nucleolar RNAs drive proliferation and migration. Oncogene, 2021, 40, 909-921.	5.9	34
62	Near-infrared (NIR) dye-labeled RNAs identify binding of ZBP1 to the noncoding Y3-RNA. Rna, 2010, 16, 1420-1428.	3.5	31
63	The Y3** ncRNA promotes the 3â€² end processing of histone mRNAs. Genes and Development, 2015, 29, 1998-2003.	5.9	30
64	IGF2BP1 is the first positive marker for anaplastic thyroid carcinoma diagnosis. Modern Pathology, 2021, 34, 32-41.	5.5	29
65	Cell migration analysis: Segmenting scratch assay images with level sets and support vector machines. Pattern Recognition, 2012, 45, 3154-3165.	8.1	27
66	FMRP regulates actin filament organization via the armadillo protein p0071. Rna, 2013, 19, 1483-1496.	3.5	27
67	The differential statin effect on cytokine production of monocytes or macrophages is mediated by differential geranylgeranylation-dependent Rac1 activation. Cell Death and Disease, 2019, 10, 880.	6.3	26
68	Mud2 functions in transcription by recruiting the Prp19 and TREX complexes to transcribed genes. Nucleic Acids Research, 2018, 46, 9749-9763.	14.5	25
69	Drugging MYCN Oncogenic Signaling through the MYCN-PA2G4 Binding Interface. Cancer Research, 2019, 79, 5652-5667.	0.9	24
70	IGF2BP1, a Conserved Regulator of RNA Turnover in Cancer. Frontiers in Molecular Biosciences, 2021, 8, 632219.	3.5	24
71	Beyond Regulation of Cell Adhesion: Local Control of RhoA at the Cleavage Furrow by the p0071 Catenin. Cell Cycle, 2007, 6, 122-127.	2.6	22
72	IGF2BP1 is a targetable SRC/MAPK-dependent driver of invasive growth in ovarian cancer. RNA Biology, 2021, 18, 391-403.	3.1	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. Molecular Cancer, 2021, 20, 88.	19.2	21
74	Post-transcriptional regulation of MRTF-A by miRNAs during myogenic differentiation of myoblasts. Nucleic Acids Research, 2020, 48, 8927-8942.	14.5	20
75	POLIII-derived non-coding RNAs acting as scaffolds and decoys. Journal of Molecular Cell Biology, 2019, 11, 880-885.	3.3	19
76	The p.S85C-mutation in MATR3 impairs stress granule formation in Matrin-3 myopathy. Experimental Neurology, 2018, 306, 222-231.	4.1	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. Cancers, 2020, 12, 64.	3.7	18
78	Validation strategies for antibodies targeting modified ribonucleotides. Rna, 2020, 26, 1489-1506.	3.5	18
79	LINC00261 Is Differentially Expressed in Pancreatic Cancer Subtypes and Regulates a Pro-Epithelial Cell Identity. Cancers, 2020, 12, 1227.	3.7	17
80	Identification of RNA-Binding Proteins as Targetable Putative Oncogenes in Neuroblastoma. International Journal of Molecular Sciences, 2020, 21, 5098.	4.1	16
81	RNA Binding Proteins as Drivers and Therapeutic Target Candidates in Pancreatic Ductal Adenocarcinoma. International Journal of Molecular Sciences, 2020, 21, 4190.	4.1	16
82	Synthetic circular miR-21 RNA decoys enhance tumor suppressor expression and impair tumor growth in mice. NAR Cancer, 2020, 2, zcaa014.	3.1	12
83	The MicroRNA Landscape of MYCN-Amplified Neuroblastoma. Frontiers in Oncology, 2021, 11, 647737.	2.8	12
84	Musashiâ€“1â€”A Stemness RBP for Cancer Therapy?. Biology, 2021, 10, 407.	2.8	11
85	Targeting HDACs in Pancreatic Neuroendocrine Tumor Models. Cells, 2021, 10, 1408.	4.1	11
86	Musashi1 enhances chemotherapy resistance of pediatric glioblastoma cells in vitro. Pediatric Research, 2020, 87, 669-676.	2.3	10
87	Oncogenic Potential of the Dual-Function Protein MEX3A. Biology, 2021, 10, 415.	2.8	10
88	Micro-RNA networks in T-cell prolymphocytic leukemia reflect T-cell activation and shape DNA damage response and survival pathways. Haematologica, 2022, 107, 187-200.	3.5	10
89	Noncanonical Function of AGO2 Augments T-cell Receptor Signaling in T-cell Prolymphocytic Leukemia. Cancer Research, 2022, 82, 1818-1831.	0.9	9
90	HDLBP binds ER-targeted mRNAs by multivalent interactions to promote protein synthesis of transmembrane and secreted proteins. Nature Communications, 2022, 13, 2727.	12.8	9

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91	Melanoma RBPome identification reveals PDIA6 as an unconventional RNA-binding protein involved in metastasis. Nucleic Acids Research, 2022, 50, 8207-8225.	14.5	9
92	Extraction of protein profiles from primary neurons using active contour models and wavelets. Journal of Neuroscience Methods, 2014, 225, 1-12.	2.5	8
93	MSI1 Promotes the Expression of the GBM Stem Cell Marker CD44 by Impairing miRNA-Dependent Degradation. Cancers, 2020, 12, 3654.	3.7	7
94	Comprehensive Analysis of LincRNAs in Classical and Basal-Like Subtypes of Pancreatic Cancer. Cancers, 2020, 12, 2077.	3.7	6
95	IGF2BP1 Promotes Proliferation of Neuroendocrine Neoplasms by Post-Transcriptional Enhancement of EZH2. Cancers, 2022, 14, 2121.	3.7	6
96	From the Nucleus Toward the Cell Periphery: a Guided Tour for mRNAs. Physiology, 2003, 18, 7-11.	3.1	5
97	MiRNA Deregulation Distinguishes Anaplastic Thyroid Carcinoma (ATC) and Supports Upregulation of Oncogene Expression. Cancers, 2021, 13, 5913.	3.7	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 5Âmonths. Laboratoriums Medizin, 2022, 46, 71-75.	0.6	3
99	Automatic analysis of flourescence labeled neurites in microscope images. , 2009, , .		1
100	Non-coding RNAs, the cutting edge of histone messages. RNA Biology, 2016, 13, 367-372.	3.1	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. Laboratoriums Medizin, 2022, 46, 77-78.	0.6	0