

Stefan Aigner

List of Publications by Year in descending order

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49
papers

4,826
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184648

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#	ARTICLE	IF	CITATIONS
1	<i>In Vivo</i> Screening Unveils Pervasive RNA-Binding Protein Dependencies in Leukemic Stem Cells and Identifies ELAVL1 as a Therapeutic Target. <i>Blood Cancer Discovery</i> , 2023, 4, 180-207.	5.7	5
2	Identification of the global miR-130a targetome reveals a role for TBL1XR1 in hematopoietic stem cell self-renewal and t(8;21) AML. <i>Cell Reports</i> , 2022, 38, 110481.	6.3	5
3	SARS-CoV-2 Distribution in Residential Housing Suggests Contact Deposition and Correlates with <i>Rothia</i> sp.. <i>MSystems</i> , 2022, 7, e0141121.	4.0	5
4	Sentinel Cards Provide Practical SARS-CoV-2 Monitoring in School Settings. <i>MSystems</i> , 2022, 7, .	4.0	1
5	Implementation of Practical Surface SARS-CoV-2 Surveillance in School Settings. <i>MSystems</i> , 2022, 7, .	4.0	4
6	Aberrant NOVA1 function disrupts alternative splicing in early stages of amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2022, 144, 413-435.	7.9	12
7	The sustained expression of Cas9 targeting toxic RNAs reverses disease phenotypes in mouse models of myotonic dystrophy type 1. <i>Nature Biomedical Engineering</i> , 2021, 5, 157-168.	22.2	39
8	Emergence of an early SARS-CoV-2 epidemic in the United States. <i>Cell</i> , 2021, 184, 4939-4952.e15.	27.7	39
9	Analysis of SARS-CoV-2 RNA Persistence across Indoor Surface Materials Reveals Best Practices for Environmental Monitoring Programs. <i>MSystems</i> , 2021, 6, e0113621.	4.0	15
10	G4C2 Repeat RNA Initiates a POM121-Mediated Reduction in Specific Nucleoporins in C9orf72 ALS/FTD. <i>Neuron</i> , 2020, 107, 1124-1140.e11.	8.0	99
11	The <i>Thermus thermophilus</i> DEAD-box protein Hera is a general RNA binding protein and plays a key role in tRNA metabolism. <i>Rna</i> , 2020, 26, 1557-1574.	3.5	3
12	Transcriptome-wide profiles of circular RNA and RNA-binding protein interactions reveal effects on circular RNA biogenesis and cancer pathway expression. <i>Genome Medicine</i> , 2020, 12, 112.	8.5	123
13	A large-scale binding and functional map of human RNA-binding proteins. <i>Nature</i> , 2020, 583, 711-719.	35.8	789
14	Transcriptome-wide analysis of PGC-1 β -binding RNAs identifies genes linked to glucagon metabolic action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22204-22213.	7.5	23
15	Large-scale tethered function assays identify factors that regulate mRNA stability and translation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 989-1000.	8.0	73
16	Context-dependent functional compensation between Ythdf m ⁶ A reader proteins. <i>Genes and Development</i> , 2020, 34, 1373-1391.	5.8	172
17	The RNA Helicase DDX6 Controls Cellular Plasticity by Modulating P-Body Homeostasis. <i>Cell Stem Cell</i> , 2019, 25, 622-638.e13.	10.7	101
18	Stem cell-derived neurons from autistic individuals with SHANK3 mutation show morphogenetic abnormalities during early development. <i>Molecular Psychiatry</i> , 2018, 23, 735-746.	8.1	108

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19	Early transcriptional and epigenetic regulation of CD8+ T cell differentiation revealed by single-cell RNA sequencing. <i>Nature Immunology</i> , 2017, 18, 422-432.	13.7	205
20	Glypican-2 levels in cerebrospinal fluid predict the status of adult hippocampal neurogenesis. <i>Scientific Reports</i> , 2017, 7, 46543.	3.4	35
21	Generation of a homozygous GBA deletion human embryonic stem cell line. <i>Stem Cell Research</i> , 2017, 23, 122-126.	0.7	5
22	Elimination of Toxic Microsatellite Repeat Expansion RNA by RNA-Targeting Cas9. <i>Cell</i> , 2017, 170, 899-912.e10.	27.7	219
23	mTORC1 Inhibition Corrects Neurodevelopmental and Synaptic Alterations in a Human Stem Cell Model of Tuberous Sclerosis. <i>Cell Reports</i> , 2016, 15, 86-95.	6.3	97
24	Enhanced CLIP Uncovers IMP Protein-RNA Targets in Human Pluripotent Stem Cells Important for Cell Adhesion and Survival. <i>Cell Reports</i> , 2016, 15, 666-679.	6.3	124
25	Genomic analysis of the molecular neuropathology of tuberous sclerosis using a human stem cell model. <i>Genome Medicine</i> , 2016, 8, 94.	8.5	39
26	RNA-binding protein CPEB1 remodels host and viral RNA landscapes. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1101-1110.	8.0	42
27	Tethered Function Assays as Tools to Elucidate the Molecular Roles of RNA-Binding Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2016, 907, 61-88.	9.0	34
28	Characterization of a human pluripotent stem cell-derived model of neuronal development using multiplexed targeted proteomics. <i>Proteomics - Clinical Applications</i> , 2015, 9, 684-694.	2.0	19
29	Applications of Cas9 as an RNA-programmed RNA-binding protein. <i>BioEssays</i> , 2015, 37, 732-739.	2.6	33
30	Gene dosage-dependent rescue of HSP neurite defects in SPG4 patients' neurons. <i>Human Molecular Genetics</i> , 2014, 23, 2527-2541.	3.0	114
31	Using genetic findings in autism for the development of new pharmaceutical compounds. <i>Psychopharmacology</i> , 2014, 231, 1063-1078.	3.1	27
32	Human pluripotent stem cell models of autism spectrum disorder: emerging frontiers, opportunities, and challenges towards neuronal networks in a dish. <i>Psychopharmacology</i> , 2014, 231, 1089-1104.	3.1	18
33	Multicellular Self-Assembled Spheroidal Model of the Blood Brain Barrier. <i>Scientific Reports</i> , 2013, 3, 1500.	3.4	134
34	Gene Expression Profiling of Neural Stem Cells and Their Neuronal Progeny Reveals IGF2 as a Regulator of Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2012, 32, 3376-3387.	3.8	174
35	In vivo demonstration that $\hat{\pm}$ -synuclein oligomers are toxic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4194-4199.	7.5	1,289
36	Deep sequencing identifies new and regulated microRNAs in <i>Schmidtea mediterranea</i> . <i>Rna</i> , 2009, 15, 1483-1491.	3.5	46

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37	Hippocampus-dependent learning is associated with adult neurogenesis in MRL/MpJ mice. <i>Hippocampus</i> , 2009, 19, 658-669.	2.1	75
38	Terminal Differentiation: <i>REST.</i> , 2009, , 921-927.		3
39	Multiple layers of molecular controls modulate self-renewal and neuronal lineage specification of embryonic stem cells. <i>Human Molecular Genetics</i> , 2008, 17, R67-R75.	3.0	16
40	ADULT NEURAL PROGENITOR CELLS IN CNS FUNCTION AND DISEASE. , 2008, , 181-200.		1
41	Cdk5 Regulates Accurate Maturation of Newborn Granule Cells in the Adult Hippocampus. <i>PLoS Biology</i> , 2008, 6, e272.	5.4	113
42	A Novel Model for an Older Remodeler: The BAF Swap in Neurogenesis. <i>Neuron</i> , 2007, 55, 171-173.	8.0	10
43	Stem cells: the good, bad and barely in control. <i>Nature Medicine</i> , 2006, 12, 1237-1238.	29.9	54
44	A Small Gem with Great Powers: Geminin Keeps Neural Progenitors Thriving. <i>Developmental Cell</i> , 2005, 9, 171-172.	7.0	12
45	The Euplotes telomerase subunit p43 stimulates enzymatic activity and processivity in vitro. <i>Rna</i> , 2004, 10, 1108-1118.	3.5	26
46	The Euplotes La Motif Protein p43 Has Properties of a Telomerase-Specific Subunit. <i>Biochemistry</i> , 2003, 42, 5736-5747.	2.6	55
47	RNA aptamers as pathway-specific MAP kinase inhibitors. <i>Chemistry and Biology</i> , 2000, 7, 833-843.	6.2	68
48	Euplotes telomerase contains an La motif protein produced by apparent translational frameshifting. <i>EMBO Journal</i> , 2000, 19, 6230-6239.	7.6	87
49	Kinetic and Secondary Structure Analysis of Naegleria andersoni GIR1, a Group I Ribozyme Whose Putative Biological Function Is Site-Specific Hydrolysis. <i>Biochemistry</i> , 1997, 36, 16345-16354.	2.6	24