Marc-David Ruepp

List of Publications by Year
in descending order

35 papers	1,922 citations	331670 21 h-index	377865 34 g-index
39 all docs	39 docs citations	39 times ranked	3084 citing authors

#	Article	IF	Citations
1	Phase Separation of FUS Is Suppressed by Its Nuclear Import Receptor and Arginine Methylation. Cell, 2018, 173, 706-719.e13.	28.9	484
2	The Solution Structure of FUS Bound to RNA Reveals a Bipartite Mode of RNA Recognition with Both Sequence and Shape Specificity. Molecular Cell, 2019, 73, 490-504.e6.	9.7	151
3	Comparison of EJC-enhanced and EJC-independent NMD in human cells reveals two partially redundant degradation pathways. Rna, 2013, 19, 1432-1448.	3.5	114
4	Minor intron splicing is regulated by <scp>FUS</scp> and affected by <scp>ALS</scp> â€associated <scp>FUS</scp> mutants. EMBO Journal, 2016, 35, 1504-1521.	7.8	100
5	Rescue of a severe mouse model for spinal muscular atrophy by U7 snRNA-mediated splicing modulation. Human Molecular Genetics, 2009, 18, 546-555.	2.9	91
6	FUS-dependent liquidâ€“liquid phase separation is important for DNA repair initiation. Journal of Cell Biology, 2021, 220, .	5.2	86
7	Monomethylated and unmethylated FUS exhibit increased binding to Transportin and distinguish FTLD-FUS from ALS-FUS. Acta Neuropathologica, 2016, 131, 587-604.	7.7	76
8	Targeting CD47 in Anaplastic Thyroid Carcinoma Enhances Tumor Phagocytosis by Macrophages and Is a Promising Therapeutic Strategy. Thyroid, 2019, 29, 979-992.	4.5	71
9	FUS ALS-causative mutations impair FUS autoregulation and splicing factor networks through intron retention. Nucleic Acids Research, 2020, 48, 6889-6905.	14.5	70
10	The phase separation-dependent FUS interactome reveals nuclear and cytoplasmic function of liquidâ€“liquid phase separation. Nucleic Acids Research, 2021, 49, 7713-7731.	14.5	53
11	Interactions of CstF-64, CstF-77, and symplekin: Implications on localisation and function. Molecular Biology of the Cell, 2011, 22, 91-104.	2.1	51
12	Mammalian pre-mRNA 3â€² End Processing Factor CF I_m68 Functions in mRNA Export. Molecular Biology of the Cell, 2009, 20, 5211-5223.	2.1	50
13	Hypertonic Stress Causes Cytoplasmic Translocation of Neuronal, but Not Astrocytic, FUS due to Impaired Transportin Function. Cell Reports, 2018, 24, 987-1000.e7.	6.4	49
14	Aberrant interaction of FUS with the U1 snRNA provides a molecular mechanism of FUS induced amyotrophic lateral sclerosis. Nature Communications, 2020, 11, 6341.	12.8	47
15	Effect of Combined Systemic and Local Morpholino Treatment on the Spinal Muscular Atrophy Î”7 Mouse Model Phenotype. Clinical Therapeutics, 2014, 36, 340-356.e5.	2.5	44
16	CRISPR-Trap: a clean approach for the generation of gene knockouts and gene replacements in human cells. Molecular Biology of the Cell, 2018, 29, 75-83.	2.1	37
17	FUS/TLS contributes to replication-dependent histone gene expression by interaction with U7 snRNPs and histone-specific transcription factors. Nucleic Acids Research, 2015, 43, gkv794.	14.5	32
18	Muscleblind acts as a modifier of FUS toxicity by modulating stress granule dynamics and SMN localization. Nature Communications, 2019, 10, 5583.	12.8	31

#	Article	IF	Citations
19	miR-129-5p: A key factor and therapeutic target in amyotrophic lateral sclerosis. Progress in Neurobiology, 2020, 190, 101803.	5.7	31
20	Identification of Interactions in the NMD Complex Using Proximity-Dependent Biotinylation (BioID). PLoS ONE, 2016, 11, e0150239.	2.5	31
21	The emerging role of minor intron splicing in neurological disorders. Cell Stress, 2018, 2, 40-54.	3.2	26
22	Human vtRNA1-1 Levels Modulate Signaling Pathways and Regulate Apoptosis in Human Cancer Cells. Biomolecules, 2020, 10, 614.	4.0	24
23	The 68â€‰kDa subunit of mammalian cleavage factor I interacts with the U7 small nuclear ribonucleoprotein and participates in 3â€²-end processing of animal histone mRNAs. Nucleic Acids Research, 2010, 38, 7637-7650.	14.5	20
24	Paraquat Modulates Alternative Pre-mRNA Splicing by Modifying the Intracellular Distribution of SRPK2. PLoS ONE, 2013, 8, e61980.	2.5	20
25	Tracking individual membrane proteins and their biochemistry: The power of direct observation. Neuropharmacology, 2015, 98, 22-30.	4.1	18
26	The binding orientations of structurally-related ligands can differ; AÂcautionary note. Neuropharmacology, 2017, 119, 48-61.	4.1	18
27	Characterizing new fluorescent tools for studying 5-HT3 receptor pharmacology. Neuropharmacology, 2015, 90, 63-73.	4.1	17
28	mRNA 3^{â€²} end processing and moreâ€"multiple functions of mammalian cleavage factor Iâ€68. Wiley Interdisciplinary Reviews RNA, 2011, 2, 79-91.	6.4	15
29	The binding orientation of epibatidine at Î±7 nACh receptors. Neuropharmacology, 2017, 116, 421-428.	4.1	13
30	A fluorescent approach for identifying P2X1 ligands. Neuropharmacology, 2015, 98, 13-21.	4.1	9
31	ALS-linked FUS mutants affect the localization of U7 snRNP and replication-dependent histone gene expression in human cells. Scientific Reports, 2021, 11, 11868.	3.3	7
32	Repurposing of glycine transport inhibitors for the treatment of erythropoietic protoporphyria. Cell Chemical Biology, 2021, 28, 1221-1234.e6.	5.2	7
33	Synthesis and Characterization of Photoaffinity Probes that Target the 5-HT3 Receptor. Chimia, 2014, 68, 239.	0.6	6
34	Mapping the Orthosteric Binding Site of the Human 5-HT₃ Receptor Using Photo-cross-linking Antagonists. ACS Chemical Neuroscience, 2019, 10, 438-450.	3.5	6
35	Generation of Gene Knockout and Gene Replacement with Complete Removal of Full-length Endogenous Transcript Using CRISPR-Trap. Bio-protocol, 2018, 8, e3052.	0.4	0