

Eric T Wang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

8,417
citations

257450

24
h-index

276875

41
g-index

48
all docs

48
docs citations

48
times ranked

12964
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A comprehensive atlas of fetal splicing patterns in the brain of adult myotonic dystrophy type 1 patients. <i>NAR Genomics and Bioinformatics</i> , 2022, 4, lqac016. | 3.2 | 2 |
| 2 | Molecular characterization of myotonic dystrophy fibroblast cell lines for use in small molecule screening. <i>IScience</i> , 2022, 25, 104198. | 4.1 | 6 |
| 3 | Mice lacking MBNL1 and MBNL2 exhibit sudden cardiac death and molecular signatures recapitulating myotonic dystrophy. <i>Human Molecular Genetics</i> , 2022, 31, 3144-3160. | 2.9 | 6 |
| 4 | Transcriptome alterations in myotonic dystrophy frontal cortex. <i>Cell Reports</i> , 2021, 34, 108634. | 6.4 | 44 |
| 5 | Automated Intracellular Pharmacological Electrophysiology for Ligand-Gated Ionotropic Receptor and Pharmacology Screening. <i>Molecular Pharmacology</i> , 2021, 100, 73-82. | 2.3 | 4 |
| 6 | Molecular mechanisms underlying nucleotide repeat expansion disorders. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 589-607. | 37.0 | 151 |
| 7 | Goals in tension: motivated by genetic disease yet rooted in basic science. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 581-582. | 37.0 | 0 |
| 8 | High-content image-based analysis and proteomic profiling identifies Tau phosphorylation inhibitors in a human iPSC-derived glutamatergic neuronal model of tauopathy. <i>Scientific Reports</i> , 2021, 11, 17029. | 3.3 | 8 |
| 9 | Microtubule-based transport is essential to distribute RNA and nascent protein in skeletal muscle. <i>Nature Communications</i> , 2021, 12, 6079. | 12.8 | 42 |
| 10 | Ribonuclease recruitment using a small molecule reduced c9ALS/FTD r(G ₄ C ₂) Tj ETQq0,00 rgBT /Overlock 1 | 12.4 | 39 |
| 11 | Repeat length increases disease penetrance and severity in <i>C9orf72</i> ALS/FTD BAC transgenic mice. <i>Human Molecular Genetics</i> , 2021, 29, 3900-3918. | 2.9 | 7 |
| 12 | Transcriptome-wide organization of subcellular microenvironments revealed by ATLAS-Seq. <i>Nucleic Acids Research</i> , 2020, 48, 5859-5872. | 14.5 | 9 |
| 13 | Sleep disorders in myotonic dystrophies. <i>Muscle and Nerve</i> , 2020, 62, 309-320. | 2.2 | 23 |
| 14 | Structure-Specific Cleavage of an RNA Repeat Expansion with a Dimeric Small Molecule Is Advantageous over Sequence-Specific Recognition by an Oligonucleotide. <i>ACS Chemical Biology</i> , 2020, 15, 485-493. | 3.4 | 17 |
| 15 | A Toxic RNA Catalyzes the Cellular Synthesis of Its Own Inhibitor, Shunting It to Endogenous Decay Pathways. <i>Cell Chemical Biology</i> , 2020, 27, 223-231.e4. | 5.2 | 18 |
| 16 | Small-molecule targeted recruitment of a nuclease to cleave an oncogenic RNA in a mouse model of metastatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2406-2411. | 7.1 | 116 |
| 17 | A CTG repeat-selective chemical screen identifies microtubule inhibitors as selective modulators of toxic CUG RNA levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20991-21000. | 7.1 | 20 |
| 18 | Cell-type-specific dysregulation of RNA alternative splicing in short tandem repeat mouse knockin models of myotonic dystrophy. <i>Genes and Development</i> , 2019, 33, 1635-1640. | 5.9 | 14 |

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|----|---|------|-----------|
| 19 | Culturing C2C12 myotubes on micromolded gelatin hydrogels accelerates myotube maturation. <i>Skeletal Muscle</i> , 2019, 9, 17. | 4.2 | 80 |
| 20 | Precise small-molecule cleavage of an r(CUG) repeat expansion in a myotonic dystrophy mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7799-7804. | 7.1 | 86 |
| 21 | Transcriptome alterations in myotonic dystrophy skeletal muscle and heart. <i>Human Molecular Genetics</i> , 2019, 28, 1312-1321. | 2.9 | 104 |
| 22 | An engineered RNA binding protein with improved splicing regulation. <i>Nucleic Acids Research</i> , 2018, 46, 3152-3168. | 14.5 | 15 |
| 23 | <scp>SCA</scp> 8 <scp>RAN</scp> polySer protein preferentially accumulates in white matter regions and is regulated by <scp>eIF</scp> 3F. <i>EMBO Journal</i> , 2018, 37, . | 7.8 | 50 |
| 24 | Antisense transcription of the myotonic dystrophy locus yields low-abundant RNAs with and without (CAG)n repeat. <i>RNA Biology</i> , 2017, 14, 1374-1388. | 3.1 | 25 |
| 25 | Myotonic dystrophy: disease repeat range, penetrance, age of onset, and relationship between repeat size and phenotypes. <i>Current Opinion in Genetics and Development</i> , 2017, 44, 30-37. | 3.3 | 80 |
| 26 | Barcoded nanoparticles for high throughput in vivo discovery of targeted therapeutics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2060-2065. | 7.1 | 185 |
| 27 | Aberrant Myokine Signaling in Congenital Myotonic Dystrophy. <i>Cell Reports</i> , 2017, 21, 1240-1252. | 6.4 | 40 |
| 28 | Impeding Transcription of Expanded Microsatellite Repeats by Deactivated Cas9. <i>Molecular Cell</i> , 2017, 68, 479-490.e5. | 9.7 | 99 |
| 29 | Disrupted prenatal RNA processing and myogenesis in congenital myotonic dystrophy. <i>Genes and Development</i> , 2017, 31, 1122-1133. | 5.9 | 80 |
| 30 | Dose-Dependent Regulation of Alternative Splicing by MBNL Proteins Reveals Biomarkers for Myotonic Dystrophy. <i>PLoS Genetics</i> , 2016, 12, e1006316. | 3.5 | 79 |
| 31 | Conservation of context-dependent splicing activity in distant Muscleblind homologs. <i>Nucleic Acids Research</i> , 2016, 44, 8352-8362. | 14.5 | 11 |
| 32 | Identification of new branch points and unconventional introns in <i>Saccharomyces cerevisiae</i>. <i>Rna</i> , 2016, 22, 1522-1534. | 3.5 | 32 |
| 33 | Dysregulation of mRNA Localization and Translation in Genetic Disease. <i>Journal of Neuroscience</i> , 2016, 36, 11418-11426. | 3.6 | 89 |
| 34 | Distal Alternative Last Exons Localize mRNAs to Neural Projections. <i>Molecular Cell</i> , 2016, 61, 821-833. | 9.7 | 208 |
| 35 | Quantitative visualization of alternative exon expression from RNA-seq data. <i>Bioinformatics</i> , 2015, 31, 2400-2402. | 4.1 | 142 |
| 36 | Antagonistic regulation of mRNA expression and splicing by CELF and MBNL proteins. <i>Genome Research</i> , 2015, 25, 858-871. | 5.5 | 159 |

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|----|--|------|-----------|
| 37 | Alternative splicing regulates vesicular trafficking genes in cardiomyocytes during postnatal heart development. <i>Nature Communications</i> , 2014, 5, 3603. | 12.8 | 133 |
| 38 | Combinatorial Mutagenesis of MBNL1 Zinc Fingers Elucidates Distinct Classes of Regulatory Events. <i>Molecular and Cellular Biology</i> , 2012, 32, 4155-4167. | 2.3 | 22 |
| 39 | Transcriptome-wide Regulation of Pre-mRNA Splicing and mRNA Localization by Muscleblind Proteins. <i>Cell</i> , 2012, 150, 710-724. | 28.9 | 425 |
| 40 | Analysis and design of RNA sequencing experiments for identifying isoform regulation. <i>Nature Methods</i> , 2010, 7, 1009-1015. | 19.0 | 1,224 |
| 41 | Alternative isoform regulation in human tissue transcriptomes. <i>Nature</i> , 2008, 456, 470-476. | 27.8 | 4,508 |