

Joel D Richter

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

7,590
citations

201674

27
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

8610
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | FMRP Stalls Ribosomal Translocation on mRNAs Linked to Synaptic Function and Autism. <i>Cell</i> , 2011, 146, 247-261. | 28.9 | 1,864 |
| 2 | Regulation of cap-dependent translation by eIF4E inhibitory proteins. <i>Nature</i> , 2005, 433, 477-480. | 27.8 | 841 |
| 3 | Translational control by CPEB: a means to the end. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 521-529. | 37.0 | 528 |
| 4 | CPEB: a life in translation. <i>Trends in Biochemical Sciences</i> , 2007, 32, 279-285. | 7.5 | 479 |
| 5 | CPEB-Mediated Cytoplasmic Polyadenylation and the Regulation of Experience-Dependent Translation of $\hat{\pm}$ -CaMKII mRNA at Synapses. <i>Neuron</i> , 1998, 21, 1129-1139. | 8.1 | 478 |
| 6 | Phosphorylation of CPE binding factor by Eg2 regulates translation of c-mos mRNA. <i>Nature</i> , 2000, 404, 302-307. | 27.8 | 348 |
| 7 | Symplekin and xGLD-2 Are Required for CPEB-Mediated Cytoplasmic Polyadenylation. <i>Cell</i> , 2004, 119, 641-651. | 28.9 | 295 |
| 8 | Dysregulation and restoration of translational homeostasis in fragile X syndrome. <i>Nature Reviews Neuroscience</i> , 2015, 16, 595-605. | 10.2 | 231 |
| 9 | N-methyl-D-aspartate receptor signaling results in Aurora kinase-catalyzed CPEB phosphorylation and alphaCaMKII mRNA polyadenylation at synapses. <i>EMBO Journal</i> , 2002, 21, 2139-2148. | 7.8 | 226 |
| 10 | Germ Cell Differentiation and Synaptonemal Complex Formation Are Disrupted in CPEB Knockout Mice. <i>Developmental Cell</i> , 2001, 1, 201-213. | 7.0 | 210 |
| 11 | Cytoplasmic Polyadenylation Element Binding Proteins in Development, Health, and Disease. <i>Annual Review of Cell and Developmental Biology</i> , 2014, 30, 393-415. | 9.4 | 201 |
| 12 | CPEB and two poly(A) polymerases control miR-122 stability and p53 mRNA translation. <i>Nature</i> , 2011, 473, 105-108. | 27.8 | 174 |
| 13 | Pausing on Polyribosomes: Make Way for Elongation in Translational Control. <i>Cell</i> , 2015, 163, 292-300. | 28.9 | 172 |
| 14 | The molecular biology of FMRP: new insights into fragile X syndrome. <i>Nature Reviews Neuroscience</i> , 2021, 22, 209-222. | 10.2 | 164 |
| 15 | Selective Modulation of Some Forms of Schaffer Collateral-CA1 Synaptic Plasticity in Mice With a Disruption of the CPEB-1 Gene. <i>Learning and Memory</i> , 2004, 11, 318-327. | 1.3 | 142 |
| 16 | Bidirectional Control of mRNA Translation and Synaptic Plasticity by the Cytoplasmic Polyadenylation Complex. <i>Molecular Cell</i> , 2012, 47, 253-266. | 9.7 | 142 |
| 17 | Cytoplasmic RNA-Binding Proteins and the Control of Complex Brain Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a012344-a012344. | 5.5 | 125 |
| 18 | Genetic and acute CPEB1 depletion ameliorate fragile X pathophysiology. <i>Nature Medicine</i> , 2013, 19, 1473-1477. | 30.7 | 115 |

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|----|--|------|-----------|
| 19 | Translational Control in Oocyte Development. Cold Spring Harbor Perspectives in Biology, 2011, 3, a002758-a002758. | 5.5 | 101 |
| 20 | Reduced extinction of hippocampal-dependent memories in CPEB knockout mice. Learning and Memory, 2006, 13, 4-7. | 1.3 | 95 |
| 21 | Regulatory discrimination of mRNAs by FMRP controls mouse adult neural stem cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11397-E11405. | 7.1 | 78 |
| 22 | Selective translation of mRNAs at synapses. Current Opinion in Neurobiology, 2002, 12, 300-304. | 4.2 | 70 |
| 23 | FMRP Control of Ribosome Translocation Promotes Chromatin Modifications and Alternative Splicing of Neuronal Genes Linked to Autism. Cell Reports, 2020, 30, 4459-4472.e6. | 6.4 | 63 |
| 24 | Rethinking Unconventional Translation in Neurodegeneration. Cell, 2017, 171, 994-1000. | 28.9 | 56 |
| 25 | The nuclear experience of CPEB: Implications for RNA processing and translational control. Rna, 2010, 16, 338-348. | 3.5 | 51 |
| 26 | FMRP links optimal codons to mRNA stability in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30400-30411. | 7.1 | 38 |
| 27 | CPEB Control of NF- κ B Nuclear Localization and Interleukin-6 Production Mediates Cellular Senescence. Molecular and Cellular Biology, 2011, 31, 2707-2714. | 2.3 | 34 |
| 28 | DEVELOPMENT: The Message Is in the Translation. Science, 2001, 293, 60-62. | 12.6 | 33 |
| 29 | Cld2-catalyzed 3' monoadenylation of miRNAs in the hippocampus has no detectable effect on their stability or on animal behavior. Rna, 2016, 22, 1492-1499. | 3.5 | 29 |
| 30 | Breaking the Code of Polyadenylation-Induced Translation. Cell, 2008, 132, 335-337. | 28.9 | 28 |
| 31 | CPEB Regulation of TAK1 Synthesis Mediates Cytokine Production and the Inflammatory Immune Response. Molecular and Cellular Biology, 2015, 35, 610-618. | 2.3 | 28 |
| 32 | Translational control of synaptic plasticity. Biochemical Society Transactions, 2010, 38, 1527-1530. | 3.4 | 21 |
| 33 | Impaired neurodevelopment by the low complexity domain of CPEB4 reveals a convergent pathway with neurodegeneration. Scientific Reports, 2016, 6, 29395. | 3.3 | 17 |
| 34 | Essential role for non-canonical poly(A) polymerase GLD4 in cytoplasmic polyadenylation and carbohydrate metabolism. Nucleic Acids Research, 2017, 45, 6793-6804. | 14.5 | 17 |
| 35 | Dynamic Control of Dendritic mRNA Expression by CNOT7 Regulates Synaptic Efficacy and Higher Cognitive Function. Cell Reports, 2017, 20, 683-696. | 6.4 | 17 |
| 36 | Ribosome profiling reveals novel regulation of C9ORF72 GGGGCC repeat-containing RNA translation. Rna, 2022, 28, 123-138. | 3.5 | 17 |

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|----|---|------|-----------|
| 37 | Optimization of ribosome profiling using low-input brain tissue from fragile X syndrome model mice. <i>Nucleic Acids Research</i> , 2019, 47, e25-e25. | 14.5 | 16 |
| 38 | Ribosome profiling in mouse hippocampus: plasticity-induced regulation and bidirectional control by TSC2 and FMRP. <i>Molecular Autism</i> , 2020, 11, 78. | 4.9 | 10 |
| 39 | Microsatellite Expansion Diseases: Repeat Toxicity Found in Translation. <i>Neuron</i> , 2017, 93, 249-251. | 8.1 | 9 |
| 40 | RNA and the synapse. <i>Rna</i> , 2015, 21, 716-717. | 3.5 | 7 |
| 41 | Oppositional poly(A) tail length regulation by FMRP and CPEB1. <i>Rna</i> , 2022, 28, 756-765. | 3.5 | 6 |
| 42 | RNA Transport (Partly) Revealed!. <i>Neuron</i> , 2004, 43, 442-443. | 8.1 | 5 |
| 43 | Do Fragile X Syndrome and Other Intellectual Disorders Converge at Aberrant Pre-mRNA Splicing?. <i>Frontiers in Psychiatry</i> , 2021, 12, 715346. | 2.6 | 5 |
| 44 | Noncanonical cytoplasmic poly(A) polymerases regulate RNA levels, alternative RNA processing, and synaptic plasticity but not hippocampal-dependent behaviours. <i>RNA Biology</i> , 2021, 18, 962-971. | 3.1 | 1 |
| 45 | CPEB-regulated translation: mechanisms and maladies. <i>FASEB Journal</i> , 2007, 21, A97. | 0.5 | 0 |
| 46 | <scp>CPEB1</scp> regulates the inflammatory immune response, phagocytosis, and alternative polyadenylation in microglia. <i>Glia</i> , 2022, 70, 1850-1863. | 4.9 | 0 |