HervÃ© Moine

List of Publications by Year
in descending order

38 papers	3,313 citations	257357 24 h-index	330025 37 g-index
44 all docs	44 docs citations	44 times ranked	3623 citing authors

#	Article	IF	Citations
1	Fragile X syndrome. Nature Reviews Disease Primers, 2017, 3, 17065.	18.1	490
2	The fragile X mental retardation protein binds specifically to its mRNA via a purine quartet motif. EMBO Journal, 2001, 20, 4803-4813.	3.5	412
3	Gâ€quadruplexes in RNA biology. Wiley Interdisciplinary Reviews RNA, 2012, 3, 495-507.	3.2	247
4	Sequestration of DROSHA and DGCR8 by Expanded CGG RNA Repeats Alters MicroRNA Processing in Fragile X-Associated Tremor/Ataxia Syndrome. Cell Reports, 2013, 3, 869-880.	2.9	216
5	Gâ€“quadruplex RNA structure as a signal for neurite mRNA targeting. EMBO Reports, 2011, 12, 697-704.	2.0	213
6	A Novel Function for Fragile X Mental Retardation Protein in Translational Activation. PLoS Biology, 2009, 7, e1000016.	2.6	175
7	The G-quartet containing FMRP binding site in FMR1 mRNA is a potent exonic splicing enhancer. Nucleic Acids Research, 2008, 36, 4902-4912.	6.5	160
8	A Single Internal Ribosome Entry Site Containing a G Quartet RNA Structure Drives Fibroblast Growth Factor 2 Gene Expression at Four Alternative Translation Initiation Codons. Journal of Biological Chemistry, 2003, 278, 39330-39336.	1.6	151
9	FMRP interferes with the Rac1 pathway and controls actin cytoskeleton dynamics in murine fibroblasts. Human Molecular Genetics, 2005, 14, 835-844.	1.4	144
10	Phosphatidic Acid: From Pleiotropic Functions to Neuronal Pathology. Frontiers in Cellular Neuroscience, 2019, 13, 2.	1.8	90
11	Cells Lacking the Fragile X Mental Retardation Protein (FMRP) have Normal RISC Activity but Exhibit Altered Stress Granule Assembly. Molecular Biology of the Cell, 2009, 20, 428-437.	0.9	85
12	Escherichia coli threonyl-tRNA synthetase and tRNAThr modulate the binding of the ribosome to the translational initiation site of the ThrS mRNA. Journal of Molecular Biology, 1990, 216, 299-310.	2.0	84
13	Cross-linking of initiation factor IF3 toEscherichia coli30S ribosomal subunit by trans-dlamminedichloroplatinum(II): characterization of two cross-linking sites in 16S rRNA; a possible way of functioning for IF3. Nucleic Acids Research, 1986, 14, 4803-4821.	6.5	81
14	In Vitro and in Cellulo Evidences for Association of the Survival of Motor Neuron Complex with the Fragile X Mental Retardation Protein. Journal of Biological Chemistry, 2008, 283, 5598-5610.	1.6	80
15	Fragile X Mental Retardation Protein (FMRP) controls diacylglycerol kinase activity in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3619-28.	3.3	79
16	A Novel Role for the RNAâ€“Binding Protein FXR1P in Myoblasts Cell-Cycle Progression by Modulating p21/Cdkn1a/Cip1/Waf1 mRNA Stability. PLoS Genetics, 2013, 9, e1003367.	1.5	67
17	Internal Ribosome Entry Site Structural Motifs Conserved among Mammalian Fibroblast Growth Factor 1 Alternatively Spliced mRNAs. Molecular and Cellular Biology, 2004, 24, 7622-7635.	1.1	60
18	Messenger RNA structure and gene regulation at the translational level in Escherichia coli: the case of threonine:tRNAThr ligase.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 7892-7896.	3.3	58

#	Article	IF	Citations
19	Mutations in Helix 34 of Escherichia coli 16 S Ribosomal RNA Have Multiple Effects on Ribosome Function and Synthesis. Journal of Molecular Biology, 1994, 243, 402-412.	2.0	56
20	Genetic probes of ribosomal RNA function. Biochemistry and Cell Biology, 1995, 73, 859-868.	0.9	54
21	Detailed analysis of RNA-protein interactions within the ribosomal protein S8-rRNA complex from the archaeon Methanococcus jannaschii. Journal of Molecular Biology, 2001, 311, 311-324.	2.0	44
22	The RNA binding protein FMRP: new connections and missing links. Biology of the Cell, 2003, 95, 221-228.	0.7	35
23	Translational regulation of the Escherichia coli threonyl-tRNA synthetase gene: Structural and functional importance of the thrS operator domains. Biochimie, 1993, 75, 1167-1179.	1.3	34
24	Domains of the Escherichia coli threonyl-tRNA synthetase translational operator and their relation to threonine tRNA isoacceptors. Journal of Molecular Biology, 1992, 227, 621-634.	2.0	31
25	The FMRP/GRK4mRNA interaction uncovers a new mode of binding of the Fragile X mental retardation protein in cerebellum. Nucleic Acids Research, 2015, 43, 8540-8550.	6.5	24
26	Ultrastructural analysis of the functional domains in FMRP using primary hippocampal mouse neurons. Neurobiology of Disease, 2009, 35, 241-250.	2.1	22
27	Spatial control of nucleoporin condensation by fragile Xâ€related proteins. EMBO Journal, 2020, 39, e104467.	3.5	21
28	In vivo selection of functional ribosomes with variations in the rRNA-binding site of Escherichia coli ribosomal protein S8: Evolutionary implications. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 605-610.	3.3	13
29	BIOMEDICINE: Do G Quartets Orchestrate Fragile X Pathology?. Science, 2001, 294, 2487-2488.	6.0	13
30	Fragile X syndrome: Are signaling lipids the missing culprits?. Biochimie, 2016, 130, 188-194.	1.3	13
31	Crosslinking of ribosomal protein S18 to 16 S RNA inE. coliribosomal 30 S subunits by the use of a reversible crosslinking agent:Trans-diamminedichloroplatinum(II). FEBS Letters, 1988, 228, 1-6.	1.3	11
32	AAVâ€delivered diacylglycerol kinase DGKk achieves longâ€term rescue of fragile X syndrome mouse model. EMBO Molecular Medicine, 2022, 14, e14649.	3.3	11
33	The translational regulation of threonyl-tRNA synthetase. Functional relationship between the enzyme, the cognate tRNA and the ribosome. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1050, 343-350.	2.4	10
34	The relation between catalytic activity and gene regulation in the case of E coli threonyl-tRNA synthetase. Biochimie, 1990, 72, 485-494.	1.3	9
35	Of local translation control and lipid signaling in neurons. Advances in Biological Regulation, 2019, 71, 194-205.	1.4	8
36	Conformational Analysis of Escherichia coli 30S Ribosomes Containing the Single-Base Mutations G530U, U1498G, G1401C, and C1501G and the Double-Base Mutation G1401C/C1501G. Biochemistry, 1997, 36, 13700-13709.	1.2	6

#	Article	IF	Citations
37	Secondary structure of the Escherichia coli translational operator of threonyl-tRNA synthetase and relationship to its function. Gene, 1988, 72, 187-188.	1.0	1
38	In vivo Selection of Functional Variations in Essential Sites of Ribosomal RNA. Methods, 2001, 25, 358-364.	1.9	0