

Rosario Francisco-Velilla

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

724
citations

623734

14
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Picornavirus IRES elements: RNA structure and host protein interactions. <i>Virus Research</i> , 2015, 206, 62-73.	2.2	110
2	Insights into Structural and Mechanistic Features of Viral IRES Elements. <i>Frontiers in Microbiology</i> , 2017, 8, 2629.	3.5	100
3	Role and dynamics of the ribosomal protein P0 and its related trans-acting factor Mrt4 during ribosome assembly in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2009, 37, 7519-7532.	14.5	64
4	The RNA-binding protein Gemin5 binds directly to the ribosome and regulates global translation. <i>Nucleic Acids Research</i> , 2016, 44, 8335-8351.	14.5	54
5	RNA-Binding Proteins Impacting on Internal Initiation of Translation. <i>International Journal of Molecular Sciences</i> , 2013, 14, 21705-21726.	4.1	50
6	Identification of novel non-canonical RNA-binding sites in Gemin5 involved in internal initiation of translation. <i>Nucleic Acids Research</i> , 2014, 42, 5742-5754.	14.5	47
7	Gemin5: A Multitasking RNA-Binding Protein Involved in Translation Control. <i>Biomolecules</i> , 2015, 5, 528-544.	4.0	38
8	RNA-protein interaction methods to study viral IRES elements. <i>Methods</i> , 2015, 91, 3-12.	3.8	24
9	Emerging Roles of Gemin5: From snRNPs Assembly to Translation Control. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3868.	4.1	24
10	The landscape of the non-canonical RNA-binding site of Gemin5 unveils a feedback loop counteracting the negative effect on translation. <i>Nucleic Acids Research</i> , 2018, 46, 7339-7353.	14.5	23
11	Picornavirus translation strategies. <i>FEBS Open Bio</i> , 2022, 12, 1125-1141.	2.3	21
12	Impact of RNA-Protein Interaction Modes on Translation Control: The Versatile Multidomain Protein Gemin5. <i>BioEssays</i> , 2019, 41, e1800241.	2.5	20
13	Structural basis for the dimerization of Gemin5 and its role in protein recruitment and translation control. <i>Nucleic Acids Research</i> , 2020, 48, 788-801.	14.5	19
14	Ribosome-dependent conformational flexibility changes and RNA dynamics of IRES domains revealed by differential SHAPE. <i>Scientific Reports</i> , 2018, 8, 5545.	3.3	18
15	Deconstructing internal ribosome entry site elements: an update of structural motifs and functional divergences. <i>Open Biology</i> , 2018, 8, 180155.	3.6	15
16	RNA-Binding Proteins at the Host-Pathogen Interface Targeting Viral Regulatory Elements. <i>Viruses</i> , 2021, 13, 952.	3.3	15
17	Rab1b and ARF5 are novel RNA-binding proteins involved in FMDV IRES-driven RNA localization. <i>Life Science Alliance</i> , 2019, 2, e201800131.	2.8	14
18	Missense mutations have unexpected consequences: The McArdle disease paradigm. <i>Human Mutation</i> , 2018, 39, 1338-1343.	2.5	13

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19	Carboxy terminal modifications of the P0 protein reveal alternative mechanisms of nuclear ribosomal stalk assembly. <i>Nucleic Acids Research</i> , 2013, 41, 8628-8636.	14.5	11
20	RNA-protein coevolution study of Gemin5 uncovers the role of the PXSS motif of RBS1 domain for RNA binding. <i>RNA Biology</i> , 2020, 17, 1331-1341.	3.1	10
21	Autosomal Recessive Cerebellar Atrophy and Spastic Ataxia in Patients With Pathogenic Biallelic Variants in GEMIN5. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 783762.	3.7	10
22	The RBS1 domain of Gemin5 is intrinsically unstructured and interacts with RNA through conserved Arg and aromatic residues. <i>RNA Biology</i> , 2021, 18, 496-506.	3.1	7
23	Functional and structural deficiencies of Gemin5 variants associated with neurological disorders. <i>Life Science Alliance</i> , 2022, 5, e202201403.	2.8	7
24	<i>In vivo</i> formation of a stable pentameric (P2 [±] /P1 [±])â€‘P0â€‘(P1 [±] /P2 [±]) ribosomal stalk complex in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2010, 27, 693-704.	1.7	6
25	IRES Elements: Issues, Controversies and Evolutionary Perspectives. , 2016, , 547-564.		2
26	Identification of RNA-Binding Proteins Associated to RNA Structural Elements. <i>Methods in Molecular Biology</i> , 2021, 2323, 109-119.	0.9	1