

# Sandro Roberto Valentini

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

2,435  
citations

201575

27  
h-index

206029

48  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional significance of eIF5A and its hypusine modification in eukaryotes. <i>Amino Acids</i> , 2010, 38, 491-500.	1.2	282
2	Actively Transcribed GAL Genes Can Be Physically Linked to the Nuclear Pore by the SAGA Chromatin Modifying Complex. <i>Journal of Biological Chemistry</i> , 2007, 282, 3042-3049.	1.6	115
3	Structural and functional evidence that a B chromosome in the characid fish <i>Astyanax scabripinnis</i> is an isochromosome. <i>Heredity</i> , 2000, 85, 1-9.	1.2	111
4	eIF5A has a function in the elongation step of translation in yeast. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 785-790.	1.0	109
5	The generation and utilization of a cancer-oriented representation of the human transcriptome by using expressed sequence tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13418-13423.	3.3	105
6	Loss of nuclear poly(A)-binding protein 1 causes defects in myogenesis and mRNA biogenesis. <i>Human Molecular Genetics</i> , 2010, 19, 1058-1065.	1.4	105
7	eIF5A binds to translational machinery components and affects translation in yeast. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1358-1366.	1.0	88
8	Genetic Interactions of Yeast Eukaryotic Translation Initiation Factor 5A (eIF5A) Reveal Connections to Poly(A)-Binding Protein and Protein Kinase C Signaling. <i>Genetics</i> , 2002, 160, 393-405.	1.2	86
9	Is there a role for eIF5A in translation?. <i>Amino Acids</i> , 2007, 33, 351-358.	1.2	81
10	Arginine methylation and binding of Hrp1p to the efficiency element for mRNA 3' end formation. <i>Rna</i> , 1999, 5, 272-280.	1.6	75
11	Epigenetic Silencing of CRABP2 and MX1 in Head and Neck Tumors. <i>Neoplasia</i> , 2009, 11, 1329-IN9.	2.3	70
12	Pkc1 Acts Through Zds1 and Gic1 to Suppress Growth and Cell Polarity Defects of a Yeast eIF5A Mutant. <i>Genetics</i> , 2005, 171, 1571-1581.	1.2	57
13	Molecular characterization and chromosomal localization of two families of satellite DNA in <i>Prochilodus lineatus</i> (Pisces, Prochilodontidae), a species with B chromosomes. <i>Genetica</i> , 2003, 118, 25-32.	0.5	55
14	Large-scale Transcriptome Analyses Reveal New Genetic Marker Candidates of Head, Neck, and Thyroid Cancer. <i>Cancer Research</i> , 2005, 65, 1693-1699.	0.4	55
15	Opposite effects of bFGF and TGF- $\beta^2$ on collagen metabolism by human periodontal ligament fibroblasts. <i>Cytokine</i> , 2007, 39, 130-137.	1.4	52
16	eIF5A and eIF4E: two unique translation factors are now traveling the same road. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014, 5, 209-222.	3.2	50
17	Cytotoxic lignans from the stems of <i>Styrax camporum</i> (Styracaceae). <i>Natural Product Research</i> , 2005, 19, 319-323.	1.0	49
18	Probiotic Soy Product Supplemented with Isoflavones Improves the Lipid Profile of Moderately Hypercholesterolemic Men: A Randomized Controlled Trial. <i>Nutrients</i> , 2016, 8, 52.	1.7	45

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19	Screening of 2A peptides for polycistronic gene expression in yeast. FEMS Yeast Research, 2018, 18, .	1.1	45
20	Mutational analyses of human eIF5Aâ€” identification of amino acid residues critical for eIF5A activity and hypusine modification. FEBS Journal, 2008, 275, 44-58.	2.2	44
21	Splice variants of the human ZC3H14 gene generate multiple isoforms of a zinc finger polyadenosine RNA binding protein. Gene, 2009, 439, 71-78.	1.0	44
22	Mapping eIF5A binding sites for Dys1 and Lia1: in vivo evidence for regulation of eIF5A hypusination. FEBS Letters, 2003, 555, 464-468.	1.3	37
23	Effect of a probiotic beverage consumption (Enterococcus faecium CRL 183 and Bifidobacterium) Tj ETQq1 1 0.784314 rgBT, Overload	1.1	37
24	Origin and differentiation of a sex chromosome system in Parodon hilarii (Pisces, Parodontidae). Satellite DNA, G- and C-banding. Genetica, 2003, 119, 115-120.	0.5	34
25	MxA interacts with and is modified by the SUMOylation machinery. Experimental Cell Research, 2015, 330, 151-163.	1.2	31
26	Friedelin Synthase from Maytenus ilicifolia: Leucine 482 Plays an Essential Role in the Production of the Most Rearranged Pentacyclic Triterpene. Scientific Reports, 2016, 6, 36858.	1.6	30
27	Structural modeling and mutational analysis of yeast eukaryotic translation initiation factor 5A reveal new critical residues and reinforce its involvement in protein synthesis. FEBS Journal, 2008, 275, 1874-1888.	2.2	29
28	Expression of interferon-Î³, interferon-Î± and related genes in individuals with Down syndrome and periodontitis. Cytokine, 2012, 60, 875-881.	1.4	27
29	Effect of a calcium hydroxide/chlorhexidine paste as intracanal dressing in human primary teeth with necrotic pulp against <i>Porphyromonas gingivalis</i> and <i>Enterococcus faecalis</i>. International Journal of Paediatric Dentistry, 2012, 22, 116-124.	1.0	27
30	Production of active recombinant eIF5A: reconstitution in E.coli of eukaryotic hypusine modification of eIF5A by its coexpression with modifying enzymes. Protein Engineering, Design and Selection, 2011, 24, 301-309.	1.0	24
31	Expression of the Interleukinâ€”10 Signaling Pathway Genes in Individuals With Down Syndrome and Periodontitis. Journal of Periodontology, 2012, 83, 926-935.	1.7	23
32	Hypusine Modification of the Ribosome-binding Protein eIF5A, a Target for New Anti-Inflammatory Drugs: Understanding the Action of the Inhibitor GC7 on a Murine Macrophage Cell Line. Current Pharmaceutical Design, 2014, 20, 284-292.	0.9	23
33	A Transcript Finishing Initiative for Closing Gaps in the Human Transcriptome. Genome Research, 2004, 14, 1413-1423.	2.4	22
34	eIF5A has a function in the cotranslational translocation of proteins into the ER. Amino Acids, 2014, 46, 645-653.	1.2	22
35	Effect of electrolytes as adjuvants in GFP and LPS partitioning on aqueous two-phase systems: 1. Polymer-polymer systems. Separation and Purification Technology, 2018, 206, 39-49.	3.9	22
36	Pathogenic or potentially pathogenic bacteria as contaminants of fresh water from different sources in Araraquara, Brazil. Water Research, 1993, 27, 1737-1741.	5.3	21

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37	Synthetic lethality between eIF5A and Ypt1 reveals a connection between translation and the secretory pathway in yeast. <i>Molecular Genetics and Genomics</i> , 2008, 280, 211-221.	1.0	20
38	eIF5A interacts functionally with eEF2. <i>Amino Acids</i> , 2012, 42, 697-702.	1.2	20
39	An Interaction between Two RNA Binding Proteins, Nab2 and Pub1, Links mRNA Processing/Export and mRNA Stability. <i>Molecular and Cellular Biology</i> , 2007, 27, 6569-6579.	1.1	19
40	Functional analysis of <i>Paracoccidioides brasiliensis</i> 14-3-3 adhesin expressed in <i>Saccharomyces cerevisiae</i> . <i>BMC Microbiology</i> , 2015, 15, 256.	1.3	19
41	The eukaryotic translation initiation factor 3 subunit L protein interacts with Flavivirus NS5 and may modulate yellow fever virus replication. <i>Virology Journal</i> , 2013, 10, 205.	1.4	18
42	Immunoexpression of aromatase and estrogen receptors $\beta$ in stem spermatogonia of bullfrogs indicates a role of estrogen in the seasonal spermatogonial mitotic activity. <i>General and Comparative Endocrinology</i> , 2013, 182, 65-72.	0.8	17
43	The Deoxyhypusine Synthase Mutant dys1-1 Reveals the Association of eIF5A and Asc1 with Cell Wall Integrity. <i>PLoS ONE</i> , 2013, 8, e60140.	1.1	15
44	Evidence for a Negative Cooperativity between eIF5A and eEF2 on Binding to the Ribosome. <i>PLoS ONE</i> , 2016, 11, e0154205.	1.1	14
45	Functionality and opposite roles of two interleukin 4 haplotypes in immune cells. <i>Genes and Immunity</i> , 2017, 18, 33-41.	2.2	14
46	Improving the cost effectiveness of enhanced green fluorescent protein production using recombinant <i>Escherichia coli</i> BL21 (DE3): Decreasing the expression inducer concentration. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 527-536.	1.4	14
47	Friedelin in <i>Maytenus ilicifolia</i> Is Produced by Friedelin Synthase Isoforms. <i>Molecules</i> , 2018, 23, 700.	1.7	13
48	Evidence for conformational changes in the yeast deoxyhypusine hydroxylase Lia1 upon iron displacement from its active site. <i>Amino Acids</i> , 2010, 38, 479-490.	1.2	12
49	eIF5A dimerizes not only in vitro but also in vivo and its molecular envelope is similar to the EF-P monomer. <i>Amino Acids</i> , 2013, 44, 631-644.	1.2	12
50	Primordial Germ Cells (Spermatogonial Stem Cells) of Bullfrogs Express Sex Hormone-Binding Globulin and Steroid Receptors during Seasonal Spermatogenesis. <i>Cells Tissues Organs</i> , 2013, 197, 136-144.	1.3	11
51	Enhanced nicotine-seeking behavior following pre-exposure to repeated cocaine is accompanied by changes in BDNF in the nucleus accumbens of rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 104, 169-176.	1.3	10
52	A Novel PCR-RFLP Assay for the Detection of the Single Nucleotide Polymorphism at Position +1440 in the Human CXCR2 gene. <i>Biochemical Genetics</i> , 2007, 45, 737-741.	0.8	9
53	Effect of electrolytes as adjuvants in GFP and LPS partitioning on aqueous two-phase systems: 2. Nonionic micellar systems. <i>Separation and Purification Technology</i> , 2019, 210, 69-79.	3.9	8
54	New insights into trypanosomatid U5 small nuclear ribonucleoproteins. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2011, 106, 130-138.	0.8	7

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55	Effect of ingestion of soy yogurt on intestinal parameters of rats fed on a beef-based animal diet. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 1238-1247.	0.8	7
56	Recombinant expression of glycerol-3-phosphate dehydrogenase using the <i>Pichia pastoris</i> system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 65, 128-132.	1.8	6
57	The small nuclear ribonucleoprotein U1A interacts with NS5 from yellow fever virus. <i>Archives of Virology</i> , 2011, 156, 931-938.	0.9	6
58	Expression and purification of human respiratory syncytial virus recombinant fusion protein. <i>Protein Expression and Purification</i> , 2008, 62, 146-152.	0.6	5
59	The polyproline motif of S6K2: eIF5A translational dependence and importance for protein-protein interactions. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6015-6025.	1.2	5
60	Mapping surface residues of eIF5A that are important for binding to the ribosome using alanine scanning mutagenesis. <i>Amino Acids</i> , 2016, 48, 2363-2374.	1.2	4
61	Structural features and development of an assay platform of the parasite target deoxyhypusine synthase of <i>Brugia malayi</i> and <i>Leishmania major</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008762.	1.3	4
62	Demonstration of the cellular viability and safety of <i>Enterococcus faecium</i> CRL 183 in long-term experiments. <i>Dairy Science and Technology</i> , 2007, 87, 59-69.	0.9	4
63	Demonstration of the cellular viability and safety of <i>Enterococcus faecium</i> CRL 183 in experiments of long term. <i>Dairy Science and Technology</i> , 2007, 87, 181.	0.9	3
64	The Methionine 549 and Leucine 552 Residues of Friedelin Synthase from <i>Maytenus ilicifolia</i> Are Important for Substrate Binding Specificity. <i>Molecules</i> , 2021, 26, 6806.	1.7	3
65	Effect of ingestion of soy yogurt on intestinal parameters of rats fed on a beef-based animal diet. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 1238-47.	0.8	2
66	Polysome-seq as a Measure of Translational Profile from Deoxyhypusine Synthase Mutant in <i>Saccharomyces cerevisiae</i> . <i>Lecture Notes in Computer Science</i> , 2020, , 168-179.	1.0	1
67	VNTR Polymorphism in Intron 4 of the eNOS Gene and the Risk of Gastrointestinal Bleeding: A Case-control Study. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2022, , .	0.5	1