

Giuseppe Biamonti

List of Publications by Year in descending order

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98
papers

6,490
citations

53794

45
h-index

66911

78
g-index

98
all docs

98
docs citations

98
times ranked

7122
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription of Satellite III non-coding RNAs is a general stress response in human cells. <i>Nucleic Acids Research</i> , 2008, 36, 423-434.	14.5	353
2	Cell Motility Is Controlled by SF2/ASF through Alternative Splicing of the Ron Protooncogene. <i>Molecular Cell</i> , 2005, 20, 881-890.	9.7	339
3	A novel procedure for quantitative polymerase chain reaction by coamplification of competitive templates. <i>Gene</i> , 1992, 122, 313-320.	2.2	260
4	Cellular response to etoposide treatment. <i>Cancer Letters</i> , 2007, 252, 9-18.	7.2	205
5	The roles of heterogeneous nuclear ribonucleoproteins (hnRNP) in RNA metabolism. <i>BioEssays</i> , 1996, 18, 747-756.	2.5	199
6	Nuclear Stress Bodies. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a000695-a000695.	5.5	188
7	Cellular stress and RNA splicing. <i>Trends in Biochemical Sciences</i> , 2009, 34, 146-153.	7.5	181
8	Fine mapping of a replication origin of human DNA.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 7119-7123.	7.1	180
9	DNA ligase I is recruited to sites of DNA replication by an interaction with proliferating cell nuclear antigen: identification of a common targeting mechanism for the assembly of replication factories. <i>EMBO Journal</i> , 1998, 17, 3786-3795.	7.8	179
10	hnRNP A1 Selectively Interacts Through its Gly-rich Domain with Different RNA-binding Proteins. <i>Journal of Molecular Biology</i> , 1996, 259, 337-348.	4.2	172
11	Molecular mechanisms of etoposide. <i>EXCLI Journal</i> , 2015, 14, 95-108.	0.7	172
12	Start Sites of Bidirectional DNA Synthesis at the Human Lamin B2 Origin. <i>Science</i> , 2000, 287, 2023-2026.	12.6	171
13	Transcriptional Activation of a Constitutive Heterochromatic Domain of the Human Genome in Response to Heat Shock. <i>Molecular Biology of the Cell</i> , 2004, 15, 543-551.	2.1	170
14	Stress-induced Nuclear Bodies Are Sites of Accumulation of Pre-mRNA Processing Factors. <i>Molecular Biology of the Cell</i> , 2001, 12, 3502-3514.	2.1	155
15	Alternative Splicing and Tumor Progression. <i>Current Genomics</i> , 2008, 9, 556-570.	1.6	152
16	Sam68 regulates EMT through alternative splicing and activated nonsense-mediated mRNA decay of the SF2/ASF proto-oncogene. <i>Journal of Cell Biology</i> , 2010, 191, 87-99.	5.2	146
17	cDNA cloning of human hnRNP protein A1 reveals the existence of multiple mRNA isoforms. <i>Nucleic Acids Research</i> , 1988, 16, 3751-3770.	14.5	120
18	Structural and Functional Characterization of Noncoding Repetitive RNAs Transcribed in Stressed Human Cells. <i>Molecular Biology of the Cell</i> , 2005, 16, 2597-2604.	2.1	115

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19	The alternative splicing side of cancer. <i>Seminars in Cell and Developmental Biology</i> , 2014, 32, 30-36.	5.0	93
20	Human Chromosomes 9, 12, and 15 Contain the Nucleation Sites of Stress-Induced Nuclear Bodies. <i>Molecular Biology of the Cell</i> , 2002, 13, 2069-2079.	2.1	89
21	Oncogenic Alternative Splicing Switches: Role in Cancer Progression and Prospects for Therapy. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-17.	2.5	89
22	Early mitotic degradation of the homeoprotein HOXC10 is potentially linked to cell cycle progression. <i>EMBO Journal</i> , 2003, 22, 3715-3724.	7.8	86
23	Modular Structure of the Human Lamin B2 Replicator. <i>Molecular and Cellular Biology</i> , 2004, 24, 2958-2967.	2.3	82
24	Nuclear stress bodies: a heterochromatin affair?. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 493-498.	37.0	82
25	Isolation of an active gene encoding human hnRNP protein A1. <i>Journal of Molecular Biology</i> , 1989, 207, 491-503.	4.2	81
26	Functional characterization of the T4 DNA ligase: a new insight into the mechanism of action. <i>Nucleic Acids Research</i> , 1997, 25, 2106-2113.	14.5	78
27	hnRNP A1 controls a splicing regulatory circuit promoting mesenchymal-to-epithelial transition. <i>Nucleic Acids Research</i> , 2013, 41, 8665-8679.	14.5	77
28	New insights into the auxiliary domains of eukaryotic RNA binding proteins. <i>FEBS Letters</i> , 1994, 340, 1-8.	2.8	73
29	The specific binding of nuclear protein(s) to the cAMP responsive element (CRE) sequence (TGACGTCA) is reduced by the misincorporation of U and increased by the deamination of C. <i>Nucleic Acids Research</i> , 1990, 18, 5775-5780.	14.5	72
30	Recombinant hnRNP protein A1 and its N-terminal domain show preferential affinity for oligodeoxynucleotides homologous to intron/exon acceptor sites. <i>Nucleic Acids Research</i> , 1990, 18, 6595-6600.	14.5	70
31	The replication factory targeting sequence/PCNA-binding site is required in G1 to control the phosphorylation status of DNA ligase I. <i>EMBO Journal</i> , 1999, 18, 5745-5754.	7.8	68
32	Pro-metastatic splicing of Ron proto-oncogene mRNA can be reversed: Therapeutic potential of bifunctional oligonucleotides and indole derivatives. <i>RNA Biology</i> , 2010, 7, 495-503.	3.1	65
33	From "Cellular" RNA to "Smart" RNA: Multiple Roles of RNA in Genome Stability and Beyond. <i>Chemical Reviews</i> , 2018, 118, 4365-4403.	47.7	63
34	Two homologous genes, originated by duplication, encode the human hnRNP proteins A2 and A1. <i>Nucleic Acids Research</i> , 1994, 22, 1996-2002.	14.5	61
35	Cell cycle modulation of protein-DNA interactions at a human replication origin. <i>EMBO Journal</i> , 1998, 17, 2961-2969.	7.8	58
36	Pre-mRNA processing factors meet the DNA damage response. <i>Frontiers in Genetics</i> , 2013, 4, 102.	2.3	58

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37	Making alternative splicing decisions during epithelial-to-mesenchymal transition (EMT). <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2515-2526.	5.4	56
38	Constitutive heterochromatin: a surprising variety of expressed sequences. <i>Chromosoma</i> , 2009, 118, 419-435.	2.2	55
39	Human hnRNP Protein A1 Gene Expression. <i>Journal of Molecular Biology</i> , 1993, 230, 77-89.	4.2	53
40	Mammalian single-stranded DNA binding proteins and heterogeneous nuclear RNA proteins have common antigenic determinants. <i>Nucleic Acids Research</i> , 1985, 13, 337-346.	14.5	52
41	DNA ligase I gene expression during differentiation and cell proliferation. <i>Nucleic Acids Research</i> , 1992, 20, 6209-6214.	14.5	51
42	In vivo protein-DNA interactions at human DNA replication origin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 1498-1503.	7.1	50
43	The alternative splicing factor Nova2 regulates vascular development and lumen formation. <i>Nature Communications</i> , 2015, 6, 8479.	12.8	50
44	A single polypyrimidine tract binding protein (PTB) binding site mediates splicing inhibition at mouse IgM exons M1 and M2. <i>Rna</i> , 2004, 10, 787-794.	3.5	48
45	Transcription of Satellite DNAs in Mammals. <i>Progress in Molecular and Subcellular Biology</i> , 2011, 51, 95-118.	1.6	47
46	Subnuclear distribution of the largest subunit of the human origin recognition complex during the cell cycle. <i>Journal of Cell Science</i> , 2004, 117, 5221-5231.	2.0	46
47	Single stranded DNA binding proteins derive from hnRNP proteins by proteolysis in mammalian cells. <i>Nucleic Acids Research</i> , 1985, 13, 6577-6590.	14.5	45
48	Functional interactions of DNA topoisomerases with a human replication origin. <i>EMBO Journal</i> , 2007, 26, 998-1009.	7.8	45
49	A human DNA replication origin: localization and transcriptional characterization. <i>Chromosoma</i> , 1992, 102, S24-S31.	2.2	44
50	RNA recognition motif 2 directs the recruitment of SF2/ASF to nuclear stress bodies. <i>Nucleic Acids Research</i> , 2004, 32, 4127-4136.	14.5	44
51	Characterization of human DNA sequences synthesized at the onset of S-phase. <i>Nucleic Acids Research</i> , 1987, 15, 10211-10232.	14.5	43
52	Selection of homeotic proteins for binding to a human DNA replication origin 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2000, 299, 667-680.	4.2	43
53	Cell cycle-dependent dynamic association of cyclin/Cdk complexes with human DNA replication proteins. <i>EMBO Journal</i> , 2002, 21, 2485-2495.	7.8	42
54	The Dispersal of Replication Proteins after Etoposide Treatment Requires the Cooperation of Nbs1 with the Ataxia Telangiectasia Rad3-Related/Chk1 Pathway. <i>Cancer Research</i> , 2006, 66, 1675-1683.	0.9	41

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55	DNA Ligase I Deficiency Leads to Replication-Dependent DNA Damage and Impacts Cell Morphology without Blocking Cell Cycle Progression. <i>Molecular and Cellular Biology</i> , 2009, 29, 2032-2041.	2.3	41
56	Fate of exogenous recombinant plasmids introduced into mouse and human cells. <i>Nucleic Acids Research</i> , 1985, 13, 5545-5561.	14.5	39
57	Alternative Splicing in Alzheimer's disease. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 747-758.	2.9	37
58	Cell Cycle-dependent Phosphorylation of Human DNA Ligase I at the Cyclin-dependent Kinase Sites. <i>Journal of Biological Chemistry</i> , 2003, 278, 37761-37767.	3.4	36
59	First dual AK/GSK-3 β inhibitors endowed with antioxidant properties as multifunctional, potential neuroprotective agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 438-457.	5.5	33
60	Large-scale purification of hnRNP proteins from HeLa cells by affinity chromatography on ssDNA-cellulose. <i>FEBS Journal</i> , 1987, 162, 213-220.	0.2	31
61	Late induction of human DNA ligase I after UV-C irradiation. <i>Nucleic Acids Research</i> , 1995, 23, 962-966.	14.5	31
62	Phosphorylation of SRSF1 is modulated by replicational stress. <i>Nucleic Acids Research</i> , 2012, 40, 1106-1117.	14.5	31
63	Studies on the ATP Binding Site of Fyn Kinase for the Identification of New Inhibitors and Their Evaluation as Potential Agents against Tauopathies and Tumors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4590-4609.	6.4	31
64	Etoposide Induces the Dispersal of DNA Ligase I from Replication Factories. <i>Molecular Biology of the Cell</i> , 2001, 12, 2109-2118.	2.1	29
65	Molecular and Structural Transactions at Human DNA Replication Origins. <i>Cell Cycle</i> , 2007, 6, 1705-1712.	2.6	28
66	Presence of transcription signals in two putative DNA replication origins of human cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1988, 951, 430-442.	2.4	27
67	Identification of autoantibodies to the I protein of the heterogeneous nuclear ribonucleoprotein complex in patients with systemic sclerosis. <i>Arthritis and Rheumatism</i> , 1996, 39, 1669-1676.	6.7	26
68	Is DNA sequence sufficient to specify DNA replication origins in metazoan cells?. <i>Chromosome Research</i> , 2003, 11, 403-412.	2.2	24
69	Homeotic proteins participate in the function of human-DNA replication origins. <i>Nucleic Acids Research</i> , 2010, 38, 8105-8119.	14.5	23
70	Sequence Determinants for hnRNP I Protein Nuclear Localization. <i>Experimental Cell Research</i> , 1997, 235, 300-304.	2.6	22
71	Growth-Dependent and Growth-Independent Translation of Messengers for Heterogeneous Nuclear Ribonucleoproteins. <i>Nucleic Acids Research</i> , 1997, 25, 3950-3954.	14.5	21
72	SRSF2 promotes splicing and transcription of exon 11 included isoform in Ron proto-oncogene. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014, 1839, 1132-1140.	1.9	21

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73	An Intricate Connection between Alternative Splicing and Phenotypic Plasticity in Development and Cancer. <i>Cells</i> , 2020, 9, 34.	4.1	21
74	SAFB re-distribution marks steps of the apoptotic process. <i>Experimental Cell Research</i> , 2007, 313, 3914-3923.	2.6	20
75	A missense MT-ND5 mutation in differentiated Parkinson Disease cytoplasmic hybrid induces ROS-dependent DNA Damage Response amplified by DRISHA. <i>Scientific Reports</i> , 2017, 7, 9528.	3.3	20
76	hnRNP L inhibits CD44 V10 exon splicing through interacting with its upstream intron. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 743-750.	1.9	19
77	Hybridization of oligodeoxynucleotide probes to RNA molecules: specificity and stability of duplexes. <i>Nucleic Acids Research</i> , 1987, 15, 9091-9091.	14.5	18
78	Cloning and sequence analysis of a cDNA coding for the murine DNA ligase I enzyme. <i>Gene</i> , 1994, 144, 253-257.	2.2	17
79	DNA replication, development and cancer: a homeotic connection?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2010, 45, 14-22.	5.2	17
80	DNA ligase I is dephosphorylated during the execution step of etoposide-induced apoptosis. <i>Cell Death and Differentiation</i> , 2002, 9, 89-90.	11.2	16
81	Heat Shock Affects Mitotic Segregation of Human Chromosomes Bound to Stress-Induced Satellite III RNAs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2812.	4.1	15
82	Structural and functional heterogeneity of single-stranded DNA-binding proteins from calf thymus. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1984, 782, 147-155.	2.4	14
83	Assignment of the human heterogeneous nuclear ribonucleoprotein A1 gene (HNRPA1) to chromosome 12q13.1 by cDNA competitive in situ hybridization. <i>Genomics</i> , 1992, 12, 171-174.	2.9	14
84	Searching for replication origins in mammalian DNA. <i>Gene</i> , 1993, 135, 125-135.	2.2	14
85	Human hnRNP protein A1: A model polypeptide for a structural and genetic investigation of a broad family of RNA binding proteins. <i>Genetica</i> , 1994, 94, 101-114.	1.1	14
86	The Krebs Cycle Connection: Reciprocal Influence Between Alternative Splicing Programs and Cell Metabolism. <i>Frontiers in Oncology</i> , 2018, 8, 408.	2.8	14
87	A protein target site in an early replicated human DNA sequence: A highly conserved binding motif. <i>Biochemical and Biophysical Research Communications</i> , 1989, 165, 956-965.	2.1	13
88	DNA ligase I and Nbs1 proteins associate in a complex and colocalize at replication factories. <i>Cell Cycle</i> , 2009, 8, 2600-2607.	2.6	10
89	Reduced levels of prostaglandin I ₂ synthase: a distinctive feature of the cancer-free trichothiodystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
90	A DNA dependent ATPase from HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 1982, 104, 402-409.	2.1	7

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91	Alternative Splicing and Cancer. <i>Journal of Nucleic Acids</i> , 2012, 2012, 1-2.	1.2	6
92	DNA-protein interaction dynamics at the Lamin B2 replication origin. <i>Cell Cycle</i> , 2015, 14, 64-73.	2.6	6
93	Alternative Splicing of Tumor Suppressors and Oncogenes. <i>Cancer Treatment and Research</i> , 2013, 158, 95-117.	0.5	6
94	Correlagenes: a new tool for the interpretation of the human transcriptome. <i>BMC Bioinformatics</i> , 2014, 15, S6.	2.6	4
95	Chronic Replication Problems Impact Cell Morphology and Adhesion of DNA Ligase I Defective Cells. <i>PLoS ONE</i> , 2015, 10, e0130561.	2.5	4
96	A 2-nt RNA enhancer on exon 11 promotes exon 11 inclusion of the Ron proto-oncogene. <i>Oncology Reports</i> , 2014, 31, 450-455.	2.6	3
97	A repeated element in the human lamin B2 gene covers most of an intron and reiterates the exon/intron junction. <i>Gene</i> , 1997, 196, 267-277.	2.2	1
98	Correlagenes: a new tool for the interpretation of the human transcriptome. <i>EMBnet Journal</i> , 2012, 18, 103.	0.6	1