Mariano A Garcia-Blanco

List of Publications by Year
in descending order

112 papers	10,604 citations	41344 49 h-index	33894 99 g-index
125 all docs	125 docs citations	125 times ranked	14511 citing authors

#	Article	IF	Citations
1	Proteinâ€“protein interactions and 5'-splice-site recognition in mammalian mRNA precursors. Nature, 1994, 368, 119-124.	27.8	594
2	Circulating Tumor Cells from Patients with Advanced Prostate and Breast Cancer Display Both Epithelial and Mesenchymal Markers. Molecular Cancer Research, 2011, 9, 997-1007.	3.4	586
3	Interleukin 7 receptor Î± chain (IL7R) shows allelic and functional association with multiple sclerosis. Nature Genetics, 2007, 39, 1083-1091.	21.4	578
4	Zika virus: History, emergence, biology, and prospects for control. Antiviral Research, 2016, 130, 69-80.	4.1	571
5	Alternative splicing in disease and therapy. Nature Biotechnology, 2004, 22, 535-546.	17.5	479
6	A Screen of FDA-Approved Drugs for Inhibitors of Zika Virus Infection. Cell Host and Microbe, 2016, 20, 259-270.	11.0	420
7	N6 -Methyladenosine in Flaviviridae Viral RNA Genomes Regulates Infection. Cell Host and Microbe, 2016, 20, 654-665.	11.0	370
8	Autoregulation of Polypyrimidine Tract Binding Protein by Alternative Splicing Leading to Nonsense-Mediated Decay. Molecular Cell, 2004, 13, 91-100.	9.7	366
9	Reversible cross-linking combined with immunoprecipitation to study RNAâ€“protein interactions in vivo. Methods, 2002, 26, 182-190.	3.8	360
10	Dengue subgenomic RNA binds TRIM25 to inhibit interferon expression for epidemiological fitness. Science, 2015, 350, 217-221.	12.6	338
11	Polypyrimidine Tract Binding Protein Antagonizes Exon Definition. Molecular and Cellular Biology, 2001, 21, 3281-3288.	2.3	331
12	Discovery of insect and human dengue virus host factors. Nature, 2009, 458, 1047-1050.	27.8	331
13	A high-throughput neutralizing antibody assay for COVID-19 diagnosis and vaccine evaluation. Nature Communications, 2020, 11, 4059.	12.8	266
14	G3BP1, G3BP2 and CAPRIN1 Are Required for Translation of Interferon Stimulated mRNAs and Are Targeted by a Dengue Virus Non-coding RNA. PLoS Pathogens, 2014, 10, e1004242.	4.7	235
15	Biochemistry and Molecular Biology of Flaviviruses. Chemical Reviews, 2018, 118, 4448-4482.	47.7	211
16	Spliceosome-mediated RNA trans-splicing as a tool for gene therapy. Nature Biotechnology, 1999, 17, 246-252.	17.5	177
17	Quantitative mass spectrometry of DENV-2 RNA-interacting proteins reveals that the DEAD-box RNA helicase DDX6 binds the DB1 and DB2 3â€™ UTR structures. RNA Biology, 2011, 8, 1173-1186.	3.1	165
18	Alternative splicing of fibroblast growth factor receptor 2 (FGF-R2) in human prostate cancer. Oncogene, 1997, 15, 3059-3065.	5.9	162

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19	Partial correction of endogenous Î”F508 CFTR in human cystic fibrosis airway epithelia by spliceosome-mediated RNA trans-splicing. Nature Biotechnology, 2002, 20, 47-52.	17.5	161
20	Co-transcriptional splicing of pre-messenger RNAs: considerations for the mechanism of alternative splicing. Gene, 2001, 277, 31-47.	2.2	155
21	Phenotype correction of hemophilia A mice by spliceosome-mediated RNA trans-splicing. Nature Medicine, 2003, 9, 1015-1019.	30.7	148
22	RNAi-Mediated PTB Depletion Leads to Enhanced Exon Definition. Molecular Cell, 2002, 10, 943-949.	9.7	135
23	Biologic and clinical significance of androgen receptor variants in castration resistant prostate cancer. Endocrine-Related Cancer, 2014, 21, T87-T103.	3.1	127
24	The 5â€² and 3â€² Untranslated Regions of the Flaviviral Genome. Viruses, 2017, 9, 137.	3.3	126
25	Replication of Many Human Viruses Is Refractory to Inhibition by Endogenous Cellular MicroRNAs. Journal of Virology, 2014, 88, 8065-8076.	3.4	124
26	Fox-2 Mediates Epithelial Cell-Specific Fibroblast Growth Factor Receptor 2 Exon Choice. Molecular and Cellular Biology, 2006, 26, 1209-1222.	2.3	105
27	An Intronic Sequence Element Mediates Both Activation and Repression of Rat Fibroblast Growth Factor Receptor 2 Pre-mRNA Splicing. Molecular and Cellular Biology, 1998, 18, 2205-2217.	2.3	104
28	Alternative inclusion of fibroblast growth factor receptor 2 exon IIIc in Dunning prostate tumors reveals unexpected epithelial mesenchymal plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14116-14121.	7.1	104
29	Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. Antiviral Research, 2017, 144, 223-246.	4.1	104
30	Dengue subgenomic flaviviral RNA disrupts immunity in mosquito salivary glands to increase virus transmission. PLoS Pathogens, 2017, 13, e1006535.	4.7	101
31	Mesenchymal-Epithelial Transition in Sarcomas Is Controlled by the Combinatorial Expression of MicroRNA 200s and GRHL2. Molecular and Cellular Biology, 2016, 36, 2503-2513.	2.3	88
32	Alternative splicing promotes tumour aggressiveness and drug resistance in African American prostate cancer. Nature Communications, 2017, 8, 15921.	12.8	87
33	Human Epistatic Interaction Controls IL7R Splicing and Increases Multiple Sclerosis Risk. Cell, 2017, 169, 72-84.e13.	28.9	83
34	A Stem Structure in Fibroblast Growth Factor Receptor 2 Transcripts Mediates Cell-Type-Specific Splicing by Approximating Intronic Control Elements. Molecular and Cellular Biology, 2003, 23, 9327-9337.	2.3	82
35	Cellular Migration and Invasion Uncoupled: Increased Migration Is Not an Inexorable Consequence of Epithelial-to-Mesenchymal Transition. Molecular and Cellular Biology, 2014, 34, 3486-3499.	2.3	80
36	G Protein-Coupled Receptor Kinase 2 Promotes Flaviviridae Entry and Replication. PLoS Neglected Tropical Diseases, 2012, 6, e1820.	3.0	76

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37	Zika Virus: Diagnosis, Therapeutics, and Vaccine. ACS Infectious Diseases, 2016, 2, 170-172.	3.8	76
38	Flaviviral RNAs: weapons and targets in the war between virus and host. Biochemical Journal, 2014, 462, 215-230.	3.7	71
39	Messenger RNA Repair and Restoration of Protein Function by Spliceosome-Mediated RNA Trans-Splicing. Molecular Therapy, 2001, 4, 105-114.	8.2	69
40	Alternative splicing in multiple sclerosis and other autoimmune diseases. RNA Biology, 2010, 7, 462-473.	3.1	66
41	Targeting Host Factors to Treat West Nile and Dengue Viral Infections. Viruses, 2014, 6, 683-708.	3.3	65
42	Flavivirus RNA transactions from viral entry to genome replication. Antiviral Research, 2016, 134, 244-249.	4.1	65
43	Identification of Proteins Bound to Dengue Viral RNA In Vivo Reveals New Host Proteins Important for Virus Replication. MBio, 2016, 7, e01865-15.	4.1	65
44	Discovery of Widespread Host Protein Interactions with the Pre-replicated Genome of CHIKV Using VIR-CLASP. Molecular Cell, 2020, 78, 624-640.e7.	9.7	64
45	RPLP1 and RPLP2 Are Essential Flavivirus Host Factors That Promote Early Viral Protein Accumulation. Journal of Virology, 2017, 91, .	3.4	60
46	Dengue Virus Selectively Annexes Endoplasmic Reticulum-Associated Translation Machinery as a Strategy for Co-opting Host Cell Protein Synthesis. Journal of Virology, 2018, 92, .	3.4	59
47	Messenger RNA reprogramming by spliceosome-mediated RNA trans-splicing. Journal of Clinical Investigation, 2003, 112, 474-480.	8.2	59
48	Reprogramming of tau alternative splicing by spliceosome-mediated RNA trans-splicing: Implications for tauopathies. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15659-15664.	7.1	55
49	The Polypyrimidine Tract-binding Protein Is Required for Efficient Dengue Virus Propagation and Associates with the Viral Replication Machinery. Journal of Biological Chemistry, 2009, 284, 17021-17029.	3.4	55
50	Coupled in vitro synthesis and splicing of RNA polymerase II transcripts. Rna, 2000, 6, 1325-1334.	3.5	52
51	Correction of tau mis-splicing caused by FTDP-17 MAPT mutations by spliceosome-mediated RNA trans-splicing. Human Molecular Genetics, 2009, 18, 3266-3273.	2.9	50
52	Of urchins and men: Evolution of an alternative splicing unit in fibroblast growth factor receptor genes. Rna, 2003, 9, 209-217.	3.5	49
53	The Polypyrimidine Tract Binding Protein Is Required for Efficient Picornavirus Gene Expression and Propagation. Journal of Virology, 2005, 79, 6172-6179.	3.4	45
54	Snail promotes resistance to enzalutamide through regulation of androgen receptor activity in prostate cancer. Oncotarget, 2016, 7, 50507-50521.	1.8	44

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55	Dual roles for the ER membrane protein complex in flavivirus infection: viral entry and protein biogenesis. Scientific Reports, 2019, 9, 9711.	3.3	42
56	Factors Affecting Reproducibility between Genome-Scale siRNA-Based Screens. Journal of Biomolecular Screening, 2010, 15, 735-747.	2.6	38
57	Development of a Novel c-METâ€“Based CTC Detection Platform. Molecular Cancer Research, 2016, 14, 539-547.	3.4	37
58	Fragile X mental retardation protein is a Zika virus restriction factor that is antagonized by subgenomic flaviviral RNA. ELife, 2018, 7, .	6.0	37
59	The Golgi associated ERI3 is a Flavivirus host factor. Scientific Reports, 2016, 6, 34379.	3.3	36
60	A protocol for imaging alternative splicing regulation in vivo using fluorescence reporters in transgenic mice. Nature Protocols, 2007, 2, 2166-2181.	12.0	35
61	Cleavage and polyadenylation specificity factor 1 (CPSF1) regulates alternative splicing of interleukin 7 receptor (IL7R) exon 6. Rna, 2013, 19, 103-115.	3.5	35
62	Staufen1 Interacts with Multiple Components of the Ebola Virus Ribonucleoprotein and Enhances Viral RNA Synthesis. MBio, 2018, 9, .	4.1	35
63	Characterization of the Intronic Splicing Silencers Flanking FGFR2 Exon IIIb. Journal of Biological Chemistry, 2005, 280, 14017-14027.	3.4	33
64	The Kinase Inhibitor SFV785 Dislocates Dengue Virus Envelope Protein from the Replication Complex and Blocks Virus Assembly. PLoS ONE, 2011, 6, e23246.	2.5	33
65	Identification and characterization of host proteins bound to dengue virus 3â€² UTR reveal an antiviral role for quaking proteins. Rna, 2018, 24, 803-814.	3.5	31
66	Dunning rat prostate adenocarcinomas and alternative splicing reporters: powerful tools to study epithelial plasticity in prostate tumors in vivo. Clinical and Experimental Metastasis, 2008, 25, 611-619.	3.3	29
67	Messenger RNA reprogramming by spliceosome-mediated RNA trans-splicing. Journal of Clinical Investigation, 2003, 112, 474-480.	8.2	29
68	The Carboxyl-terminal Domain of RNA Polymerase II Is Not Sufficient to Enhance the Efficiency of Pre-mRNA Capping or Splicing in the Context of a Different Polymerase. Journal of Biological Chemistry, 2009, 284, 8692-8702.	3.4	27
69	Fluorescence-based alternative splicing reporters for the study of epithelial plasticity in vivo. Rna, 2013, 19, 116-127.	3.5	25
70	Alternative Splicing: Therapeutic Target and Tool. Progress in Molecular and Subcellular Biology, 2006, 44, 47-64.	1.6	25
71	Imaging the alternative silencing of FGFR2 exon IIIb in vivo. Rna, 2006, 12, 2073-2079.	3.5	24
72	Comparative Loss-of-Function Screens Reveal ABCE1 as an Essential Cellular Host Factor for Efficient Translation of Paramyxoviridae and Pneumoviridae. MBio, 2019, 10, .	4.1	24

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73	A â€œmicroRNA-likeâ€•small RNA expressed by Dengue virus?. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2359.	7.1	23
74	Carcinosarcomas: tumors in transition?. Histology and Histopathology, 2015, 30, 673-87.	0.7	21
75	Quantification of alternatively spliced FGFR2 RNAs using the RNA invasive cleavage assay. Rna, 2003, 9, 1552-1561.	3.5	19
76	Tat-SF1 Is Not Required for Tat Transactivation but Does Regulate the Relative Levels of Unspliced and Spliced HIV-1 RNAs. PLoS ONE, 2009, 4, e5710.	2.5	19
77	MHC Class III RNA Binding Proteins and Immunity. RNA Biology, 2021, 18, 640-646.	3.1	19
78	Trans-splicing Into Highly Abundant Albumin Transcripts for Production of Therapeutic Proteins In Vivo. Molecular Therapy, 2009, 17, 343-351.	8.2	17
79	Topoisomerase III-Î² is required for efficient replication of positive-sense RNA viruses. Antiviral Research, 2020, 182, 104874.	4.1	17
80	Role of Alternative Splicing in Regulating Host Response to Viral Infection. Cells, 2021, 10, 1720.	4.1	16
81	Identification of an Intronic Splicing Enhancer Essential for the Inclusion of FGFR2 Exon IIIc. Journal of Biological Chemistry, 2008, 283, 10058-10067.	3.4	15
82	A functional genetic approach suggests a novel interaction between the human immunodeficiency virus type 1 (HIV-1) Tat protein and HIV-1 TAR RNA in vivo. Journal of General Virology, 2003, 84, 603-606.	2.9	14
83	Imaging Alternative Splicing in Living Cells. , 2004, 257, 029-046.		14
84	In vitro coupled transcription splicing. Methods, 2005, 37, 314-322.	3.8	14
85	Provider-patient communication about Zika during prenatal visits. Preventive Medicine Reports, 2017, 7, 26-29.	1.8	14
86	Identification of Dengue RNA Binding Proteins Using RNA Chromatography and Quantitative Mass Spectrometry. Methods in Molecular Biology, 2014, 1138, 253-270.	0.9	14
87	Ribosomal stalk proteins RPLP1 and RPLP2 promote biogenesis of flaviviral and cellular multi-pass transmembrane proteins. Nucleic Acids Research, 2020, 48, 9872-9885.	14.5	13
88	SplicerAV: a tool for mining microarray expression data for changes in RNA processing. BMC Bioinformatics, 2010, 11, 108.	2.6	12
89	Making antisense of splicing. Current Opinion in Molecular Therapeutics, 2005, 7, 476-82.	2.8	12
90	TIA Nuclear Proteins Regulate the Alternate Splicing of Lysyl Hydroxylase 2. Journal of Investigative Dermatology, 2009, 129, 1402-1411.	0.7	11

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91	The RNA binding protein Quaking represses host interferon response by downregulating MAVS. RNA Biology, 2020, 17, 366-380.	3.1	10
92	The carboxy terminal WD domain of the pre-mRNA splicing factor Prp17p is critical for function. Rna, 2000, 6, 1289-1305.	3.5	9
93	Antisense-mediated affinity purification of dengue virus ribonucleoprotein complexes from infected cells. Methods, 2015, 91, 13-19.	3.8	9
94	Roles of Pro-viral Host Factors in Mosquito-Borne Flavivirus Infections. Current Topics in Microbiology and Immunology, 2017, 419, 43-67.	1.1	8
95	Expression analysis and mapping of the mouse and human transcriptional regulator CA150. Mammalian Genome, 2000, 11, 930-933.	2.2	7
96	Flaviviral RNA Structures and Their Role in Replication and Immunity. Advances in Experimental Medicine and Biology, 2018, 1062, 45-62.	1.6	7
97	An antibody panel for highly specific detection and differentiation of Zika virus. Scientific Reports, 2020, 10, 11906.	3.3	7
98	U2AF2 binds IL7R exon 6 ectopically and represses its inclusion. Rna, 2021, 27, 571-583.	3.5	7
99	Functional Genomics Approach for the Identification of Human Host Factors Supporting Dengue Viral Propagation. Methods in Molecular Biology, 2014, 1138, 285-299.	0.9	6
100	The RNA binding protein Quaking represses splicing of the Fibronectin EDA exon and downregulates the interferon response. Nucleic Acids Research, 2021, 49, 10034-10045.	14.5	6
101	A rapid and simple quantitative method for specific detection of smaller coterminal RNA by PCR (DeSCo-PCR): application to the detection of viral subgenomic RNAs. Rna, 2020, 26, 888-901.	3.5	5
102	Definition of germ layer cell lineage alternative splicing programs reveals a critical role for Quaking in specifying cardiac cell fate. Nucleic Acids Research, 2022, 50, 5313-5334.	14.5	5
103	Early history of circular RNAs, children of splicing. RNA Biology, 2017, 14, 975-977.	3.1	4
104	Y-Box Binding Protein 1 Interacts with Dengue Virus Nucleocapsid and Mediates Viral Assembly. MBio, 2022, 13, e0019622.	4.1	4
105	Methods for the study of alternative splicing. Methods, 2005, 37, 289-291.	3.8	3
106	RNA: Jack of All Trades and Master of All. Cell, 2015, 160, 579-580.	28.9	3
107	Know thyself. Rna, 2015, 21, 525-526.	3.5	3
108	SplicerEX: A tool for the automated detection and classification of mRNA changes from conventional and splice-sensitive microarray expression data. Rna, 2012, 18, 1435-1445.	3.5	2

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109	To Splice or Not to Splice, That Is the Treatment. Cell Chemical Biology, 2020, 27, 1453-1455.	5.2	1
110	The Phosphoryl Transfer Reactions in Pre-Messenger RNA Splicing. , 2001, , 109-123.		1
111	Antisense modulation of IL7R splicing to control sIL7R expression in human CD4⁺T cells. Rna, 2022, 28, 1058-1073.	3.5	1
112	RNA-based methods in virology. Methods, 2015, 91, 1-2.	3.8	0