

Mariano A Garcia-Blanco

List of Publications by Year in descending order

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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	Y-Box Binding Protein 1 Interacts with Dengue Virus Nucleocapsid and Mediates Viral Assembly. MBio, 2022, 13, e0019622.	4.1	4
2	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
3	Antisense modulation of IL7R splicing to control sIL7R expression in human CD4 ⁺ T cells. Rna, 2022, 28, 1058-1073.	3.5	1
4	MHC Class III RNA Binding Proteins and Immunity. RNA Biology, 2021, 18, 640-646.	3.1	19
5	U2AF2 binds <i>IL7R</i> exon 6 ectopically and represses its inclusion. Rna, 2021, 27, 571-583.	3.5	7
6	Role of Alternative Splicing in Regulating Host Response to Viral Infection. Cells, 2021, 10, 1720.	4.1	16
7	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
8	The RNA binding protein Quaking represses host interferon response by downregulating MAVS. RNA Biology, 2020, 17, 366-380.	3.1	10
9	Topoisomerase III- β is required for efficient replication of positive-sense RNA viruses. Antiviral Research, 2020, 182, 104874.	4.1	17
10	An antibody panel for highly specific detection and differentiation of Zika virus. Scientific Reports, 2020, 10, 11906.	3.3	7
11	To Splice or Not to Splice, That Is the Treatment. Cell Chemical Biology, 2020, 27, 1453-1455.	5.2	1
12	A high-throughput neutralizing antibody assay for COVID-19 diagnosis and vaccine evaluation. Nature Communications, 2020, 11, 4059.	12.8	266
13	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
14	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
15	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
16	Dual roles for the ER membrane protein complex in flavivirus infection: viral entry and protein biogenesis. Scientific Reports, 2019, 9, 9711.	3.3	42
17	Comparative Loss-of-Function Screens Reveal ABCE1 as an Essential Cellular Host Factor for Efficient Translation of <i>Paramyxoviridae</i> and <i>Pneumoviridae</i> . MBio, 2019, 10, .	4.1	24
18	Biochemistry and Molecular Biology of Flaviviruses. Chemical Reviews, 2018, 118, 4448-4482.	47.7	211

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19	Dengue Virus Selectively Annexes Endoplasmic Reticulum-Associated Translation Machinery as a Strategy for Co-opting Host Cell Protein Synthesis. <i>Journal of Virology</i> , 2018, 92, .	3.4	59
20	Identification and characterization of host proteins bound to dengue virus 3' UTR reveal an antiviral role for quaking proteins. <i>Rna</i> , 2018, 24, 803-814.	3.5	31
21	Staufen1 Interacts with Multiple Components of the Ebola Virus Ribonucleoprotein and Enhances Viral RNA Synthesis. <i>MBio</i> , 2018, 9, .	4.1	35
22	Fragile X mental retardation protein is a Zika virus restriction factor that is antagonized by subgenomic flaviviral RNA. <i>ELife</i> , 2018, 7, .	6.0	37
23	Flaviviral RNA Structures and Their Role in Replication and Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1062, 45-62.	1.6	7
24	Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. <i>Antiviral Research</i> , 2017, 144, 223-246.	4.1	104
25	Provider-patient communication about Zika during prenatal visits. <i>Preventive Medicine Reports</i> , 2017, 7, 26-29.	1.8	14
26	Human Epistatic Interaction Controls IL7R Splicing and Increases Multiple Sclerosis Risk. <i>Cell</i> , 2017, 169, 72-84.e13.	28.9	83
27	RPLP1 and RPLP2 Are Essential Flavivirus Host Factors That Promote Early Viral Protein Accumulation. <i>Journal of Virology</i> , 2017, 91, .	3.4	60
28	Roles of Pro-viral Host Factors in Mosquito-Borne Flavivirus Infections. <i>Current Topics in Microbiology and Immunology</i> , 2017, 419, 43-67.	1.1	8
29	Alternative splicing promotes tumour aggressiveness and drug resistance in African American prostate cancer. <i>Nature Communications</i> , 2017, 8, 15921.	12.8	87
30	Early history of circular RNAs, children of splicing. <i>RNA Biology</i> , 2017, 14, 975-977.	3.1	4
31	The 5' and 3' Untranslated Regions of the Flaviviral Genome. <i>Viruses</i> , 2017, 9, 137.	3.3	126
32	Dengue subgenomic flaviviral RNA disrupts immunity in mosquito salivary glands to increase virus transmission. <i>PLoS Pathogens</i> , 2017, 13, e1006535.	4.7	101
33	The Golgi associated ERI3 is a Flavivirus host factor. <i>Scientific Reports</i> , 2016, 6, 34379.	3.3	36
34	Flavivirus RNA transactions from viral entry to genome replication. <i>Antiviral Research</i> , 2016, 134, 244-249.	4.1	65
35	A Screen of FDA-Approved Drugs for Inhibitors of Zika Virus Infection. <i>Cell Host and Microbe</i> , 2016, 20, 259-270.	11.0	420
36	Mesenchymal-Epithelial Transition in Sarcomas Is Controlled by the Combinatorial Expression of MicroRNA 200s and GRHL2. <i>Molecular and Cellular Biology</i> , 2016, 36, 2503-2513.	2.3	88

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37	N6 -Methyladenosine in Flaviviridae Viral RNA Genomes Regulates Infection. <i>Cell Host and Microbe</i> , 2016, 20, 654-665.	11.0	370
38	Identification of Proteins Bound to Dengue Viral RNA <i>In Vivo</i> Reveals New Host Proteins Important for Virus Replication. <i>MBio</i> , 2016, 7, e01865-15.	4.1	65
39	Zika virus: History, emergence, biology, and prospects for control. <i>Antiviral Research</i> , 2016, 130, 69-80.	4.1	571
40	Zika Virus: Diagnosis, Therapeutics, and Vaccine. <i>ACS Infectious Diseases</i> , 2016, 2, 170-172.	3.8	76
41	Development of a Novel c-MET-Based CTC Detection Platform. <i>Molecular Cancer Research</i> , 2016, 14, 539-547.	3.4	37
42	Snail promotes resistance to enzalutamide through regulation of androgen receptor activity in prostate cancer. <i>Oncotarget</i> , 2016, 7, 50507-50521.	1.8	44
43	RNA-based methods in virology. <i>Methods</i> , 2015, 91, 1-2.	3.8	0
44	RNA: Jack of All Trades and Master of All. <i>Cell</i> , 2015, 160, 579-580.	28.9	3
45	Dengue subgenomic RNA binds TRIM25 to inhibit interferon expression for epidemiological fitness. <i>Science</i> , 2015, 350, 217-221.	12.6	338
46	Know thyself. <i>Rna</i> , 2015, 21, 525-526.	3.5	3
47	Antisense-mediated affinity purification of dengue virus ribonucleoprotein complexes from infected cells. <i>Methods</i> , 2015, 91, 13-19.	3.8	9
48	Carcinosarcomas: tumors in transition?. <i>Histology and Histopathology</i> , 2015, 30, 673-87.	0.7	21
49	Functional Genomics Approach for the Identification of Human Host Factors Supporting Dengue Viral Propagation. <i>Methods in Molecular Biology</i> , 2014, 1138, 285-299.	0.9	6
50	Targeting Host Factors to Treat West Nile and Dengue Viral Infections. <i>Viruses</i> , 2014, 6, 683-708.	3.3	65
51	G3BP1, G3BP2 and CAPRIN1 Are Required for Translation of Interferon Stimulated mRNAs and Are Targeted by a Dengue Virus Non-coding RNA. <i>PLoS Pathogens</i> , 2014, 10, e1004242.	4.7	235
52	Biologic and clinical significance of androgen receptor variants in castration resistant prostate cancer. <i>Endocrine-Related Cancer</i> , 2014, 21, T87-T103.	3.1	127
53	A microRNA-like small RNA expressed by Dengue virus?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2359.	7.1	23
54	Flaviviral RNAs: weapons and targets in the war between virus and host. <i>Biochemical Journal</i> , 2014, 462, 215-230.	3.7	71

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55	Cellular Migration and Invasion Uncoupled: Increased Migration Is Not an Inexorable Consequence of Epithelial-to-Mesenchymal Transition. <i>Molecular and Cellular Biology</i> , 2014, 34, 3486-3499.	2.3	80
56	Replication of Many Human Viruses Is Refractory to Inhibition by Endogenous Cellular MicroRNAs. <i>Journal of Virology</i> , 2014, 88, 8065-8076.	3.4	124
57	Identification of Dengue RNA Binding Proteins Using RNA Chromatography and Quantitative Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1138, 253-270.	0.9	14
58	Cleavage and polyadenylation specificity factor 1 (CPSF1) regulates alternative splicing of interleukin 7 receptor (IL7R) exon 6. <i>Rna</i> , 2013, 19, 103-115.	3.5	35
59	Fluorescence-based alternative splicing reporters for the study of epithelial plasticity in vivo. <i>Rna</i> , 2013, 19, 116-127.	3.5	25
60	SplicerEX: A tool for the automated detection and classification of mRNA changes from conventional and splice-sensitive microarray expression data. <i>Rna</i> , 2012, 18, 1435-1445.	3.5	2
61	G Protein-Coupled Receptor Kinase 2 Promotes Flaviviridae Entry and Replication. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1820.	3.0	76
62	Quantitative mass spectrometry of DENV-2 RNA-interacting proteins reveals that the DEAD-box RNA helicase DDX6 binds the DB1 and DB2 3' UTR structures. <i>RNA Biology</i> , 2011, 8, 1173-1186.	3.1	165
63	Circulating Tumor Cells from Patients with Advanced Prostate and Breast Cancer Display Both Epithelial and Mesenchymal Markers. <i>Molecular Cancer Research</i> , 2011, 9, 997-1007.	3.4	586
64	The Kinase Inhibitor SFV785 Dislocates Dengue Virus Envelope Protein from the Replication Complex and Blocks Virus Assembly. <i>PLoS ONE</i> , 2011, 6, e23246.	2.5	33
65	SplicerAV: a tool for mining microarray expression data for changes in RNA processing. <i>BMC Bioinformatics</i> , 2010, 11, 108.	2.6	12
66	Factors Affecting Reproducibility between Genome-Scale siRNA-Based Screens. <i>Journal of Biomolecular Screening</i> , 2010, 15, 735-747.	2.6	38
67	Alternative splicing in multiple sclerosis and other autoimmune diseases. <i>RNA Biology</i> , 2010, 7, 462-473.	3.1	66
68	Tat-SF1 Is Not Required for Tat Transactivation but Does Regulate the Relative Levels of Unspliced and Spliced HIV-1 RNAs. <i>PLoS ONE</i> , 2009, 4, e5710.	2.5	19
69	The Polypyrimidine Tract-binding Protein Is Required for Efficient Dengue Virus Propagation and Associates with the Viral Replication Machinery. <i>Journal of Biological Chemistry</i> , 2009, 284, 17021-17029.	3.4	55
70	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. <i>Journal of Biological Chemistry</i> , 2009, 284, 8692-8702.	3.4	27
71	Correction of tau mis-splicing caused by FTDP-17 MAPT mutations by spliceosome-mediated RNA trans-splicing. <i>Human Molecular Genetics</i> , 2009, 18, 3266-3273.	2.9	50
72	Trans-splicing Into Highly Abundant Albumin Transcripts for Production of Therapeutic Proteins In Vivo. <i>Molecular Therapy</i> , 2009, 17, 343-351.	8.2	17

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73	TIA Nuclear Proteins Regulate the Alternate Splicing of Lysyl Hydroxylase 2. <i>Journal of Investigative Dermatology</i> , 2009, 129, 1402-1411.	0.7	11
74	Discovery of insect and human dengue virus host factors. <i>Nature</i> , 2009, 458, 1047-1050.	27.8	331
75	Dunning rat prostate adenocarcinomas and alternative splicing reporters: powerful tools to study epithelial plasticity in prostate tumors in vivo. <i>Clinical and Experimental Metastasis</i> , 2008, 25, 611-619.	3.3	29
76	Identification of an Intronic Splicing Enhancer Essential for the Inclusion of FGFR2 Exon IIIc. <i>Journal of Biological Chemistry</i> , 2008, 283, 10058-10067.	3.4	15
77	Interleukin 7 receptor β chain (IL7R) shows allelic and functional association with multiple sclerosis. <i>Nature Genetics</i> , 2007, 39, 1083-1091.	21.4	578
78	A protocol for imaging alternative splicing regulation in vivo using fluorescence reporters in transgenic mice. <i>Nature Protocols</i> , 2007, 2, 2166-2181.	12.0	35
79	Imaging the alternative silencing of FGFR2 exon IIIb in vivo. <i>Rna</i> , 2006, 12, 2073-2079.	3.5	24
80	Fox-2 Mediates Epithelial Cell-Specific Fibroblast Growth Factor Receptor 2 Exon Choice. <i>Molecular and Cellular Biology</i> , 2006, 26, 1209-1222.	2.3	105
81	Alternative inclusion of fibroblast growth factor receptor 2 exon IIIc in Dunning prostate tumors reveals unexpected epithelial mesenchymal plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14116-14121.	7.1	104
82	Alternative Splicing: Therapeutic Target and Tool. <i>Progress in Molecular and Subcellular Biology</i> , 2006, 44, 47-64.	1.6	25
83	Reprogramming of tau alternative splicing by spliceosome-mediated RNA trans-splicing: Implications for tauopathies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15659-15664.	7.1	55
84	Characterization of the Intronic Splicing Silencers Flanking FGFR2 Exon IIIb. <i>Journal of Biological Chemistry</i> , 2005, 280, 14017-14027.	3.4	33
85	The Polypyrimidine Tract Binding Protein Is Required for Efficient Picornavirus Gene Expression and Propagation. <i>Journal of Virology</i> , 2005, 79, 6172-6179.	3.4	45
86	In vitro coupled transcription splicing. <i>Methods</i> , 2005, 37, 314-322.	3.8	14
87	Methods for the study of alternative splicing. <i>Methods</i> , 2005, 37, 289-291.	3.8	3
88	Making antisense of splicing. <i>Current Opinion in Molecular Therapeutics</i> , 2005, 7, 476-82.	2.8	12
89	Imaging Alternative Splicing in Living Cells. , 2004, 257, 029-046.		14
90	Alternative splicing in disease and therapy. <i>Nature Biotechnology</i> , 2004, 22, 535-546.	17.5	479

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91	Autoregulation of Polypyrimidine Tract Binding Protein by Alternative Splicing Leading to Nonsense-Mediated Decay. <i>Molecular Cell</i> , 2004, 13, 91-100.	9.7	366
92	Phenotype correction of hemophilia A mice by spliceosome-mediated RNA trans-splicing. <i>Nature Medicine</i> , 2003, 9, 1015-1019.	30.7	148
93	Quantification of alternatively spliced FGFR2 RNAs using the RNA invasive cleavage assay. <i>Rna</i> , 2003, 9, 1552-1561.	3.5	19
94	Of urchins and men: Evolution of an alternative splicing unit in fibroblast growth factor receptor genes. <i>Rna</i> , 2003, 9, 209-217.	3.5	49
95	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. <i>Journal of General Virology</i> , 2003, 84, 603-606.	2.9	14
96	A Stem Structure in Fibroblast Growth Factor Receptor 2 Transcripts Mediates Cell-Type-Specific Splicing by Approximating Intronic Control Elements. <i>Molecular and Cellular Biology</i> , 2003, 23, 9327-9337.	2.3	82
97	Messenger RNA reprogramming by spliceosome-mediated RNA trans-splicing. <i>Journal of Clinical Investigation</i> , 2003, 112, 474-480.	8.2	29
98	Messenger RNA reprogramming by spliceosome-mediated RNA trans-splicing. <i>Journal of Clinical Investigation</i> , 2003, 112, 474-480.	8.2	59
99	Reversible cross-linking combined with immunoprecipitation to study RNA-protein interactions in vivo. <i>Methods</i> , 2002, 26, 182-190.	3.8	360
100	RNAi-Mediated PTB Depletion Leads to Enhanced Exon Definition. <i>Molecular Cell</i> , 2002, 10, 943-949.	9.7	135
101	Partial correction of endogenous $\Delta F508$ CFTR in human cystic fibrosis airway epithelia by spliceosome-mediated RNA trans-splicing. <i>Nature Biotechnology</i> , 2002, 20, 47-52.	17.5	161
102	Co-transcriptional splicing of pre-messenger RNAs: considerations for the mechanism of alternative splicing. <i>Gene</i> , 2001, 277, 31-47.	2.2	155
103	Polypyrimidine Tract Binding Protein Antagonizes Exon Definition. <i>Molecular and Cellular Biology</i> , 2001, 21, 3281-3288.	2.3	331
104	Messenger RNA Repair and Restoration of Protein Function by Spliceosome-Mediated RNA Trans-Splicing. <i>Molecular Therapy</i> , 2001, 4, 105-114.	8.2	69
105	The Phosphoryl Transfer Reactions in Pre-Messenger RNA Splicing. , 2001, , 109-123.		1
106	Expression analysis and mapping of the mouse and human transcriptional regulator CA150. <i>Mammalian Genome</i> , 2000, 11, 930-933.	2.2	7
107	Coupled in vitro synthesis and splicing of RNA polymerase II transcripts. <i>Rna</i> , 2000, 6, 1325-1334.	3.5	52
108	The carboxy terminal WD domain of the pre-mRNA splicing factor Prp17p is critical for function. <i>Rna</i> , 2000, 6, 1289-1305.	3.5	9

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109	Spliceosome-mediated RNA trans-splicing as a tool for gene therapy. <i>Nature Biotechnology</i> , 1999, 17, 246-252.	17.5	177
110	An Intronic Sequence Element Mediates Both Activation and Repression of Rat Fibroblast Growth Factor Receptor 2 Pre-mRNA Splicing. <i>Molecular and Cellular Biology</i> , 1998, 18, 2205-2217.	2.3	104
111	Alternative splicing of fibroblast growth factor receptor 2 (FGF-R2) in human prostate cancer. <i>Oncogene</i> , 1997, 15, 3059-3065.	5.9	162
112	Protein-protein interactions and 5'-splice-site recognition in mammalian mRNA precursors. <i>Nature</i> , 1994, 368, 119-124.	27.8	594