

James J Russo

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

11,744
citations

159585

30
h-index

254184

43
g-index

53
all docs

53
docs citations

53
times ranked

15446
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. <i>Cell</i> , 2007, 129, 1401-1414.	28.9	3,390
2	Identification of Virus-Encoded MicroRNAs. <i>Science</i> , 2004, 304, 734-736.	12.6	1,474
3	A novel class of small RNAs bind to MILI protein in mouse testes. <i>Nature</i> , 2006, 442, 203-207.	27.8	1,303
4	Identification of microRNAs of the herpesvirus family. <i>Nature Methods</i> , 2005, 2, 269-276.	19.0	1,073
5	Cellular cofactors affecting hepatitis C virus infection and replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12884-12889.	7.1	511
6	Quantitative technologies establish a novel microRNA profile of chronic lymphocytic leukemia. <i>Blood</i> , 2007, 109, 4944-4951.	1.4	471
7	The Genomic Sequence of the Accidental Pathogen <i>Legionella pneumophila</i> . <i>Science</i> , 2004, 305, 1966-1968.	12.6	452
8	Characterization of Small RNAs in <i>Aplysia</i> Reveals a Role for miR-124 in Constraining Synaptic Plasticity through CREB. <i>Neuron</i> , 2009, 63, 803-817.	8.1	374
9	Neuronal Transcriptome of <i>Aplysia</i> : Neuronal Compartments and Circuitry. <i>Cell</i> , 2006, 127, 1453-1467.	28.9	310
10	The developmental miRNA profiles of zebrafish as determined by small RNA cloning. <i>Genes and Development</i> , 2005, 19, 1288-1293.	5.9	301
11	Nucleotide Analogues as Inhibitors of SARS-CoV-2 Polymerase, a Key Drug Target for COVID-19. <i>Journal of Proteome Research</i> , 2020, 19, 4690-4697.	3.7	223
12	Quantitative evaluation of all hexamers as exonic splicing elements. <i>Genome Research</i> , 2011, 21, 1360-1374.	5.5	207
13	Relationships between a new type IV secretion system and the icm/dot virulence system of <i>Legionella pneumophila</i> . <i>Molecular Microbiology</i> , 1999, 34, 799-809.	2.5	174
14	Four-color DNA sequencing with 3'-OH-modified nucleotide reversible terminators and chemically cleavable fluorescent dideoxynucleotides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9145-9150.	7.1	138
15	Real-time single-molecule electronic DNA sequencing by synthesis using polymer-tagged nucleotides on a nanopore array. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5233-5238.	7.1	114
16	PEG-Labeled Nucleotides and Nanopore Detection for Single Molecule DNA Sequencing by Synthesis. <i>Scientific Reports</i> , 2012, 2, 684.	3.3	109
17	σ ^S Controls Multiple Pathways Associated with Intracellular Multiplication of <i>Legionella pneumophila</i> . <i>Journal of Bacteriology</i> , 2009, 191, 2461-2473.	2.2	102
18	Pyrene binary probes for unambiguous detection of mRNA using time-resolved fluorescence spectroscopy. <i>Nucleic Acids Research</i> , 2006, 34, 3161-3168.	14.5	101

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19	A library of nucleotide analogues terminate RNA synthesis catalyzed by polymerases of coronaviruses that cause SARS and COVID-19. <i>Antiviral Research</i> , 2020, 180, 104857.	4.1	100
20	Combinatorial fluorescence energy transfer tags for multiplex biological assays. <i>Nature Biotechnology</i> , 2001, 19, 756-759.	17.5	85
21	Sofosbuvir terminated RNA is more resistant to SARS-CoV-2 proofreader than RNA terminated by Remdesivir. <i>Scientific Reports</i> , 2020, 10, 16577.	3.3	65
22	<i>In vitro</i> antiviral activity of the anti-HCV drugs daclatasvir and sofosbuvir against SARS-CoV-2, the aetiological agent of COVID-19. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1874-1885.	3.0	65
23	Nucleotide analogues as inhibitors of SARS-CoV Polymerase. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00674.	2.4	56
24	Saturation mutagenesis reveals manifold determinants of exon definition. <i>Genome Research</i> , 2018, 28, 11-24.	5.5	55
25	A strategy to capture and characterize the synaptic transcriptome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7464-7469.	7.1	49
26	Comparative sequence analysis of the <i>icm/dot</i> genes in <i>Legionella</i> . <i>Plasmid</i> , 2004, 51, 127-147.	1.4	48
27	Design and characterization of a nanopore-coupled polymerase for single-molecule DNA sequencing by synthesis on an electrode array. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6749-E6756.	7.1	46
28	Stereological analysis of the guinea pig adrenal: Effects of dexamethasone and ACTH treatment with emphasis on the inner cortex. <i>American Journal of Anatomy</i> , 1980, 159, 85-120.	1.0	43
29	Combination of antiviral drugs inhibits SARS-CoV-2 polymerase and exonuclease and demonstrates COVID-19 therapeutic potential in viral cell culture. <i>Communications Biology</i> , 2022, 5, 154.	4.4	40
30	Design and characterization of two-dye and three-dye binary fluorescent probes for mRNA detection. <i>Tetrahedron</i> , 2007, 63, 3591-3600.	1.9	34
31	Multiplex genotyping of the human β_2 -adrenergic receptor gene using solid-phase capturable dideoxynucleotides and mass spectrometry. <i>Analytical Biochemistry</i> , 2003, 316, 251-258.	2.4	24
32	Translational control analysis by translationally active RNA capture/microarray analysis (TriP-Chip). <i>Nucleic Acids Research</i> , 2010, 38, e104-e104.	14.5	23
33	High-Resolution YAC-Cosmid-STS Map of Human Chromosome 13. <i>Genomics</i> , 1998, 47, 26-43.	2.9	22
34	Assembly of Ordered Contigs of Cosmids Selected with YACs of Human Chromosome 13. <i>Genomics</i> , 1994, 21, 525-537.	2.9	16
35	Direct Sequencing of tRNA by 2D-HELMS MS Seq Reveals Its Different Isoforms and Dynamic Base Modifications. <i>ACS Chemical Biology</i> , 2020, 15, 1464-1472.	3.4	16
36	Identification of miR-215 mediated targets/pathways via translational immunoprecipitation expression analysis (TriP-chip). <i>Oncotarget</i> , 2015, 6, 24463-24473.	1.8	9

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37	Mitochondrial single nucleotide polymorphism genotyping by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry using cleavable biotinylated dideoxynucleotides. <i>Analytical Biochemistry</i> , 2012, 427, 202-210.	2.4	8
38	Integrated Mapping Package—A Physical Mapping Software Tool Kit. <i>Genomics</i> , 1999, 55, 78-87.	2.9	7
39	DNA sequencing by synthesis using 3-azidomethyl nucleotide reversible terminators and surface-enhanced Raman spectroscopic detection. <i>RSC Advances</i> , 2014, 4, 49342-49346.	3.6	7
40	A microfluidic device for multiplex single-nucleotide polymorphism genotyping. <i>RSC Advances</i> , 2014, 4, 4269-4277.	3.6	7
41	Identifying Structural Features of Nucleotide Analogues to Overcome SARS-CoV-2 Exonuclease Activity. <i>Viruses</i> , 2022, 14, 1413.	3.3	6
42	HORMONE-DEPENDENT CHANGES IN MICROPEROXISOMAL ENZYME ACTIVITIES IN GUINEA PIG ADRENAL. <i>Annals of the New York Academy of Sciences</i> , 1982, 386, 443-445.	3.8	5
43	Design and synthesis of cleavable biotinylated dideoxynucleotides for DNA sequencing by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytical Biochemistry</i> , 2012, 427, 193-201.	2.4	4
44	The <i>Legionella pneumophila</i> Sequencing Project. , 0, , 97-104.		2
45	Analysis of Gene Expression in <i>Legionella</i> during Axenic Growth and Infection. , 0, , 343-346.		1
46	Genome Sequencing and Genomics. , 0, , 377-380.		0
47	Genome Rearrangements and Horizontal Gene Transfer in <i>Legionella pneumophila</i> . , 0, , 351-354.		0