

Edward Darzynkiewicz

List of Publications by Year in descending order

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156
papers

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66234

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164
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164
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4117
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#	ARTICLE	IF	CITATIONS
1	Upregulation of RNA cap methyltransferase RNMT drives ribosome biogenesis during T cell activation. <i>Nucleic Acids Research</i> , 2021, 49, 6722-6738.	6.5	29
2	Insight into the Binding and Hydrolytic Preferences of hNudt16 Based on Nucleotide Diphosphate Substrates. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10929.	1.8	6
3	Kinetic analysis of IFIT1 and IFIT5 interactions with different native and engineered RNAs and its consequences for designing mRNA-based therapeutics. <i>Rna</i> , 2020, 26, 58-68.	1.6	11
4	Effect of the His-Tag Location on Decapping Scavenger Enzymes and Their Hydrolytic Activity toward Cap Analogs. <i>ACS Omega</i> , 2020, 5, 10759-10766.	1.6	5
5	Development of bis-ANS-based modified fluorescence titration assay for IFIT/RNA studies. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 391-396.	1.0	2
6	CAP-MAP: cap analysis protocol with minimal analyte processing, a rapid and sensitive approach to analysing mRNA cap structures. <i>Open Biology</i> , 2020, 10, 190306.	1.5	36
7	Decapping Scavenger Enzyme Activity toward N2-Substituted 5' End mRNA Cap Analogues. <i>ACS Omega</i> , 2019, 4, 17576-17580.	1.6	2
8	Hydrolytic activity of human Nudt16 enzyme on dinucleotide cap analogs and short capped oligonucleotides. <i>Rna</i> , 2018, 24, 633-642.	1.6	16
9	Modified ARCA analogs providing enhanced translational properties of capped mRNAs. <i>Cell Cycle</i> , 2018, 17, 1624-1636.	1.3	39
10	Amino-Functionalized 5' Cap Analogs as Tools for Site-Specific Sequence-Independent Labeling of mRNA. <i>Bioconjugate Chemistry</i> , 2017, 28, 1978-1992.	1.8	18
11	mRNA cap analogues substituted in the tetraphosphate chain with CX2: identification of O-to-CCl2 as the first bridging modification that confers resistance to decapping without impairing translation. <i>Nucleic Acids Research</i> , 2017, 45, 8661-8675.	6.5	23
12	Cap analogs modified with 1,2-dithiodiphosphate moiety protect mRNA from decapping and enhance its translational potential. <i>Nucleic Acids Research</i> , 2016, 44, gkw896.	6.5	52
13	Molecular recognition of mRNA 5' cap by 3' poly(A)-specific ribonuclease (PARN) differs from interactions known for other cap-binding proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 331-345.	1.1	4
14	Clickable trimethylguanosine cap analogs modified within the triphosphate bridge: synthesis, conjugation to RNA and susceptibility to degradation. <i>RSC Advances</i> , 2016, 6, 8317-8328.	1.7	9
15	How to find the optimal partner? studies of snurportin 1 interactions with U snRNA 5' TMG-cap analogues containing modified 2-amino group of 7-methylguanosine. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4660-4668.	1.4	8
16	Effect of different N7 substitution of dinucleotide cap analogs on the hydrolytic susceptibility towards scavenger decapping enzymes (DcpS). <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 89-93.	1.0	6
17	Phosphate-modified analogues of m ⁷ GTP and m ⁷ Gppppm ⁷ Gâ€”Synthesis and biochemical properties. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5369-5381.	1.4	21
18	Distinct Features of Cap Binding by eIF4E1b Proteins. <i>Journal of Molecular Biology</i> , 2015, 427, 387-405.	2.0	23

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19	Five eIF4E isoforms from <i>Arabidopsis thaliana</i> are characterized by distinct features of cap analogs binding. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 47-52.	1.0	25
20	Synthesis, properties, and biological activity of boranophosphate analogs of the mRNA cap: versatile tools for manipulation of therapeutically relevant cap-dependent processes. <i>Nucleic Acids Research</i> , 2014, 42, 10245-10264.	6.5	49
21	Structural analysis of human 2'-O-ribose methyltransferases involved in mRNA cap structure formation. <i>Nature Communications</i> , 2014, 5, 3004.	5.8	79
22	Towards novel efficient and stable nuclear import signals: synthesis and properties of trimethylguanosine cap analogs modified within the 5'-5'-triphosphate bridge. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9184-9199.	1.5	11
23	Triazole-containing monophosphate mRNA cap analogs as effective translation inhibitors. <i>Rna</i> , 2014, 20, 1539-1547.	1.6	17
24	eIF4F-like complexes formed by cap-binding homolog TbEIF4E5 with TbEIF4G1 or TbEIF4G2 are implicated in post-transcriptional regulation in <i>Trypanosoma brucei</i> . <i>Rna</i> , 2014, 20, 1272-1286.	1.6	48
25	<i>Trypanosoma brucei</i> Translation Initiation Factor Homolog EIF4E6 Forms a Tripartite Cytosolic Complex with EIF4G5 and a Capping Enzyme Homolog. <i>Eukaryotic Cell</i> , 2014, 13, 896-908.	3.4	41
26	Cap analogs containing 6-thioguanosine " reagents for the synthesis of mRNAs selectively photo-crosslinkable with cap-binding biomolecules. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4841-4847.	1.5	17
27	mRNA and snRNA Cap Analogs: Synthesis and Applications. , 2014, , 511-561.		1
28	Synthesis and evaluation of fluorescent cap analogues for mRNA labelling. <i>RSC Advances</i> , 2013, 3, 20943.	1.7	24
29	Analysis of decapping scavenger cap complex using modified cap analogs reveals molecular determinants for efficient cap binding. <i>FEBS Journal</i> , 2013, 280, 6508-6527.	2.2	15
30	mRNAs containing the histone 3' stem-loop are degraded primarily by decapping mediated by oligouridylation of the 3' end. <i>Rna</i> , 2013, 19, 1-16.	1.6	46
31	The synthesis of isopropylidene mRNA cap analogs modified with phosphorothioate moiety and their evaluation as promoters of mRNA translation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3753-3758.	1.0	25
32	Synthesis and evaluation of stability of m3G-CAP analogues in serum-supplemented medium and cytosolic extract. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7921-7928.	1.4	10
33	Synthetic mRNAs with Superior Translation and Stability Properties. <i>Methods in Molecular Biology</i> , 2013, 969, 55-72.	0.4	44
34	Investigating the Consequences of eIF4E2 (4EHP) Interaction with 4E-Transporter on Its Cellular Distribution in HeLa Cells. <i>PLoS ONE</i> , 2013, 8, e72761.	1.1	23
35	Affinity resins containing enzymatically resistant mRNA cap analogs " a new tool for the analysis of cap-binding proteins. <i>Rna</i> , 2012, 18, 1421-1432.	1.6	12
36	Synthesis of biotin labelled cap analogue " incorporable into mRNA transcripts and promoting cap-dependent translation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8570.	1.5	22

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37	7-Methylguanosine Diphosphate (m ⁷ GDP) Is Not Hydrolyzed but Strongly Bound by Decapping Scavenger (DcpS) Enzymes and Potently Inhibits Their Activity. <i>Biochemistry</i> , 2012, 51, 8003-8013.	1.2	32
38	Synthesis and properties of mRNA cap analogs containing imidodiphosphate moiety "fairly mimicking natural cap structure, yet resistant to enzymatic hydrolysis. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1699-1710.	1.4	52
39	Thermodynamics of Molecular Recognition of mRNA 5' Cap by Yeast Eukaryotic Initiation Factor 4E. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8746-8754.	1.2	8
40	Structural analysis of 5' mRNA cap interactions with the human AGO2 MID domain. <i>EMBO Reports</i> , 2011, 12, 415-420.	2.0	35
41	Translation, stability, and resistance to decapping of mRNAs containing caps substituted in the triphosphate chain with BH ₃ , Se, and NH. <i>Rna</i> , 2011, 17, 978-988.	1.6	32
42	Structural basis for nematode eIF4E binding an m ^{2,2,7} G-Cap and its implications for translation initiation. <i>Nucleic Acids Research</i> , 2011, 39, 8820-8832.	6.5	38
43	Structural requirements for <i>Caenorhabditis elegans</i> DcpS substrates based on fluorescence and HPLC enzyme kinetic studies. <i>FEBS Journal</i> , 2010, 277, 3003-3013.	2.2	14
44	Establishment of an in vitro trans-splicing system in <i>Trypanosoma brucei</i> that requires endogenous spliced leader RNA. <i>Nucleic Acids Research</i> , 2010, 38, e114-e114.	6.5	10
45	Cap analog substrates reveal three clades of cap guanine-N2 methyltransferases with distinct methyl acceptor specificities. <i>Rna</i> , 2010, 16, 211-220.	1.6	19
46	The Nematode Eukaryotic Translation Initiation Factor 4E/G Complex Works with a <i>trans</i> -Spliced Leader Stem-Loop To Enable Efficient Translation of Trimethylguanosine-Capped RNAs. <i>Molecular and Cellular Biology</i> , 2010, 30, 1958-1970.	1.1	30
47	Characterization of hMTr1, a Human Cap1 2'-O-Ribose Methyltransferase*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33037-33044.	1.6	136
48	Synthetic mRNA cap analogs with a modified triphosphate bridge " synthesis, applications and prospects. <i>New Journal of Chemistry</i> , 2010, 34, 829.	1.4	71
49	Towards mRNA with superior translational activity: synthesis and properties of ARCA tetraphosphates with single phosphorothioate modifications. <i>New Journal of Chemistry</i> , 2010, 34, 993.	1.4	35
50	Recognition of different nucleotidyl-derivatives as substrates of reactions catalyzed by various HIT-proteins. <i>New Journal of Chemistry</i> , 2010, 34, 888.	1.4	32
51	Structural Insights into Parasite eIF4E Binding Specificity for m ⁷ G and m ^{2,2,7} G mRNA Caps. <i>Journal of Biological Chemistry</i> , 2009, 284, 31336-31349.	1.6	30
52	Identification of the HIT-45 protein from <i>Trypanosoma brucei</i> as an FHIT protein/dinucleoside triphosphatase: Substrate specificity studies on the recombinant and endogenous proteins. <i>Rna</i> , 2009, 15, 1554-1564.	1.6	14
53	Evolutionary changes in the <i>Leishmania</i> eIF4F complex involve variations in the eIF4E-eIF4G interactions. <i>Nucleic Acids Research</i> , 2009, 37, 3243-3253.	6.5	65
54	Phosphoroselenoate Dinucleotides for Modification of mRNA 5' End. <i>ChemBioChem</i> , 2009, 10, 2469-2473.	1.3	23

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55	Phosphorothioate analogs of m ⁷ GTP are enzymatically stable inhibitors of cap-dependent translation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1921-1925.	1.0	35
56	Diverse Role of Three Tyrosines in Binding of the RNA 5' Cap to the Human Nuclear Cap Binding Complex. <i>Journal of Molecular Biology</i> , 2009, 385, 618-627.	2.0	19
57	Drosophila miR2 Primarily Targets the m ⁷ GppN Cap Structure for Translational Repression. <i>Molecular Cell</i> , 2009, 35, 881-888.	4.5	74
58	Synthetic dinucleotide mRNA cap analogs with tetraphosphate 5',5' bridge containing methylenebis(phosphonate) modification. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4763.	1.5	50
59	Decapping of mRNA containing the histone 3' stem loop requires recruitment of stem loop binding protein (SLBP). <i>FASEB Journal</i> , 2009, 23, .	0.2	0
60	mRNA Decapping Is Promoted by an RNA-Binding Channel in Dcp2. <i>Molecular Cell</i> , 2008, 29, 324-336.	4.5	99
61	Structural Changes of eIF4E upon Binding to the mRNA 5' Monomethylguanosine and Trimethylguanosine Cap. <i>Biochemistry</i> , 2008, 47, 2710-2720.	1.2	28
62	Synthesis and characterization of mRNA cap analogs containing phosphorothioate substitutions that bind tightly to eIF4E and are resistant to the decapping pyrophosphatase DcpS. <i>Rna</i> , 2008, 14, 1119-1131.	1.6	108
63	Bisphosphonate mRNA cap analog attached to Sepharose for affinity chromatography of decapping enzymes. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 295-296.	0.3	2
64	The TbMTr1 Spliced Leader RNA Cap 1 2'-O-Ribose Methyltransferase from <i>Trypanosoma brucei</i> Acts with Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2008, 283, 3161-3172.	1.6	20
65	Affinity of Dinucleotide Cap Analogues for Human Decapping Scavenger (hDcpS). <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1349-1352.	0.4	9
66	Assignment of the Absolute Configuration of P-Chiral 5' mRNA Cap Analogues Containing Phosphorothioate Moiety. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1301-1305.	0.4	1
67	Synthesis of ³ H and ¹³ C Labeled Mrna Cap Dinucleotides—Useful Tools for Nmr, Biochemical, and Biological Studies. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1315-1319.	0.4	3
68	Solid-Supported Synthesis of 5'-mRNA CAP-4 from Trypanosomatids. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1329-1333.	0.4	4
69	Weak binding affinity of human 4EHP for mRNA cap analogs. <i>Rna</i> , 2007, 13, 691-697.	1.6	66
70	Phosphorothioate cap analogs stabilize mRNA and increase translational efficiency in mammalian cells. <i>Rna</i> , 2007, 13, 1745-1755.	1.6	126
71	Synthesis of <i>Leishmania</i> Cap-4 Intermediates, Cap-2 and Cap-3. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1339-1348.	0.4	2
72	Biophysical Approach to Studies of Cap-eIF4E Interaction by Synthetic Cap Analogs. <i>Methods in Enzymology</i> , 2007, 430, 209-245.	0.4	33

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73	Interaction of human decapping scavenger with 5' mRNA cap analogues: structural requirements for catalytic activity. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 285217.	0.7	8
74	Synthesis of Anti-Reverse Cap Analogs (ARCAs) and their Applications in mRNA Translation and Stability. <i>Methods in Enzymology</i> , 2007, 431, 203-227.	0.4	79
75	A simple and rapid synthesis of nucleotide analogues containing a phosphorothioate moiety at the terminal position of the phosphate chain. <i>Tetrahedron Letters</i> , 2007, 48, 5475-5479.	0.7	34
76	In vivo translation and stability of trans-spliced mRNAs in nematode embryos. <i>Molecular and Biochemical Parasitology</i> , 2007, 153, 95-106.	0.5	17
77	MicroRNA Inhibition of Translation Initiation In Vitro by Targeting the Cap-Binding Complex eIF4F. <i>Science</i> , 2007, 317, 1764-1767.	6.0	458
78	Differential Inhibition of mRNA Degradation Pathways by Novel Cap Analogs. <i>Journal of Biological Chemistry</i> , 2006, 281, 1857-1867.	1.6	73
79	Methylene analogues of adenosine 5'-tetraphosphate. Their chemical synthesis and recognition by human and plant mononucleoside tetraphosphatases and dinucleoside tetraphosphatases. <i>FEBS Journal</i> , 2006, 273, 829-838.	2.2	9
80	Enzymatically stable 5' mRNA cap analogs: Synthesis and binding studies with human DcpS decapping enzyme. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3223-3230.	1.4	51
81	Binding Specificities and Potential Roles of Isoforms of Eukaryotic Initiation Factor 4E in <i>Leishmania</i> . <i>Eukaryotic Cell</i> , 2006, 5, 1969-1979.	3.4	77
82	Trimethylguanosine Nucleoside Inhibits Cross-Linking Between Snurportin 1 and m3G-CAPPED U1 snRNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 909-923.	0.4	2
83	Stopped-flow Kinetic Analysis of eIF4E and Phosphorylated eIF4E Binding to Cap Analogs and Capped Oligoribonucleotides. <i>Journal of Biological Chemistry</i> , 2006, 281, 14927-14938.	1.6	71
84	Kinetics of the Imidazolium Ring-Opening of mRNA 5'-cap Analogs in Aqueous Alkali. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 567-578.	1.0	3
85	A direct method for the synthesis of nucleoside 5'-methylenebis(phosphonate)s from nucleosides. <i>Tetrahedron Letters</i> , 2005, 46, 2417-2421.	0.7	38
86	Significance of the first transcribed nucleoside of capped RNA for ligand-induced folding of the cap-binding complex. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S1495-S1502.	0.7	0
87	The antiviral drug ribavirin does not mimic the 7-methylguanosine moiety of the mRNA cap structure in vitro. <i>Rna</i> , 2005, 11, 1505-1513.	1.6	37
88	Thermodynamics and conformational changes related to binding of eIF4E protein to mRNA 5' cap. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S1483-S1494.	0.7	6
89	DEAGGREGATION OF eIF4E INDUCED BY mRNA 5' CAP BINDING. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 507-511.	0.4	4
90	A NOVEL APPROACH TO SOLID PHASE CHEMICAL SYNTHESIS OF OLIGONUCLEOTIDE mRNA CAP ANALOGS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 601-605.	0.4	16

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91	NOVEL WAY OF CAPPING mRNA TRIMER AND STUDIES OF ITS INTERACTION WITH HUMAN NUCLEAR CAP-BINDING COMPLEX. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 1131-1134.	0.4	2
92	NOVEL DINUCLEOSIDE 5â€²,5â€²-TRIPHOSPHATE CAP ANALOGUES. SYNTHESIS AND AFFINITY FOR MURINE TRANSLATION FACTOR eIF4E. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 629-633.	0.4	6
93	SYNTHESIS AND PROPERTIES OF mRNA CAP ANALOGS CONTAINING PHOSPHOROTHIOATE MOIETY IN 5â€²,5â€²-TRIPHOSPHATE CHAIN. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 595-600.	0.4	10
94	SYNTHESIS AND BIOCHEMICAL PROPERTIES OF NOVEL mRNA 5â€² CAP ANALOGS RESISTANT TO ENZYMATIC HYDROLYSIS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 615-621.	0.4	28
95	Specificity of recognition of mRNA 5' cap by human nuclear cap-binding complex. <i>Rna</i> , 2005, 11, 1355-1363.	1.6	59
96	NEW AFFINITY RESIN FOR PURIFICATION OF CAP-BINDING PROTEINS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 503-506.	0.4	0
97	SYNTHESIS AND ENZYMATIC CHARACTERIZATION OF METHYLENE ANALOGS OF ADENOSINE 5â€²-TETRAPHOSPHATE (P4A). <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 589-593.	0.4	6
98	Novel cap analogs for in vitro synthesis of mRNAs with high translational efficiency. <i>Rna</i> , 2004, 10, 1479-1487.	1.6	75
99	Contribution of Trans-splicing, 5â€²-Leader Length, Cap-Poly(A) Synergism, and Initiation Factors to Nematode Translation in an <i>Ascaris suum</i> Embryo Cell-free System. <i>Journal of Biological Chemistry</i> , 2004, 279, 45573-45585.	1.6	67
100	Cap-binding activity of an eIF4E homolog from <i>Leishmania</i> . <i>Rna</i> , 2004, 10, 1764-1775.	1.6	46
101	Nematode m7GpppG and m32,2,7GpppG decapping: Activities in <i>Ascaris</i> embryos and characterization of <i>C. elegans</i> scavenger DcpS. <i>Rna</i> , 2004, 10, 1609-1624.	1.6	53
102	Thermodynamics of mRNA 5â€² Cap Binding by Eukaryotic Translation Initiation Factor eIF4E. <i>Biochemistry</i> , 2004, 43, 13305-13317.	1.2	41
103	Influence of Electric Charge Variation at Residues 209 and 159 on the Interaction of eIF4E with the mRNA 5â€² Terminus. <i>Biochemistry</i> , 2004, 43, 5370-5379.	1.2	70
104	Chemical synthesis and binding activity of the trypanosomatid cap-4 structure. <i>Rna</i> , 2004, 10, 1469-1478.	1.6	33
105	Synthesis of Novel mRNA 5â€² Cap-Analogues: Dinucleoside P1, P3-Tri-, P1, P4-Tetra-, and P1, P5-Pentaphosphates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 691-694.	0.4	17
106	Charge Distribution in 7-Methylguanine Regarding Cation-Ï€ Interaction with Protein Factor eIF4E. <i>Biophysical Journal</i> , 2003, 85, 1450-1456.	0.2	22
107	Partial Molar Volumes of mRNA 5â€² Cap Analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1553-1556.	0.4	1
108	Influence of the Length of the Phosphate Chain in mRNA 5â€² Cap Analogues on Their Interaction with Eukaryotic Initiation Factor 4E. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1707-1710.	0.4	4

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109	Binding Studies of Eukaryotic Initiation Factor eIF4E with Novel mRNA Dinucleotide Cap Analogues. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1703-1706.	0.4	2
110	Interaction Between Yeast Eukaryotic Initiation Factor eIF4E and mRNA 5' Cap Analogues Differs from That for Murine eIF4E. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1711-1714.	0.4	9
111	Phosphorylation of eIF4E attenuates its interaction with mRNA 5' cap analogs by electrostatic repulsion: Intein-mediated protein ligation strategy to obtain phosphorylated protein. Rna, 2003, 9, 52-61.	1.6	124
112	Thermodynamics of 7-Methylguanosine Cation Stacking with Tryptophan upon mRNA 5' Cap Binding to Translation Factor eIF4E. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1557-1561.	0.4	3
113	Novel "anti-reverse" cap analogs with superior translational properties. Rna, 2003, 9, 1108-1122.	1.6	214
114	The g5R (D250) Gene of African Swine Fever Virus Encodes a Nudix Hydrolase That Preferentially Degrades Diphosphoinositol Polyphosphates. Journal of Virology, 2002, 76, 1415-1421.	1.5	39
115	Positive Heat Capacity Change upon Specific Binding of Translation Initiation Factor eIF4E to mRNA 5' Cap. Biochemistry, 2002, 41, 12140-12148.	1.2	62
116	Biophysical Studies of eIF4E Cap-binding Protein: Recognition of mRNA 5' Cap Structure and Synthetic Fragments of eIF4G and 4E-BP1 Proteins. Journal of Molecular Biology, 2002, 319, 615-635.	2.0	353
117	Study of the 2719 mutant of the c-H-ras oncogene in a bi-intronic alternative splicing system. Oncogene, 2002, 21, 5649-5653.	2.6	3
118	Discrimination between mono- and trimethylated cap structures by two isoforms of Caenorhabditis elegans eIF4E. EMBO Journal, 2002, 21, 4680-4690.	3.5	35
119	Catalytic efficiency of divalent metal salts in dinucleoside 5',5'-triphosphate bond formation. , 2002, , .		5
120	Interaction of three Caenorhabditis elegans isoforms of translation initiation factor eIF4E with mono- and trimethylated mRNA 5' cap analogues.. Acta Biochimica Polonica, 2002, 49, 671-682.	0.3	13
121	Interaction of three Caenorhabditis elegans isoforms of translation initiation factor eIF4E with mono- and trimethylated mRNA 5' cap analogues. Acta Biochimica Polonica, 2002, 49, 671-82.	0.3	5
122	Guanosine nucleotide analogs as inhibitors of alphavirus mRNA capping enzyme. Antiviral Research, 1999, 42, 35-46.	1.9	24
123	The Cu ²⁺ -Promoted Cleavage of mRNA 5' Cap Analogs: A Kinetic Study with P ¹ -(7-Methylguanosin-5'yl) P ³ -(Nucleosid-5'yl) Triphosphates and P ¹ -(7-Methylguanosin-5'yl) P ⁴ -(Guanosin-5'yl) Tetraphosphate. Nucleosides & Nucleotides, 1999, 18, 11-21.	0.5	11
124	Quantitative Assessment of mRNA Cap Analogues as Inhibitors of in Vitro Translation. Biochemistry, 1999, 38, 8538-8547.	1.2	121
125	Fluorescence Studies on Association of Human Translation Initiation Factor eIF4E with mRNA cap-Analogues. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 278-284.	0.6	18
126	Spectroscopic studies on association of mRNA cap-analogues with human translation factor eIF4E. From modelling of interactions to inhibitory properties. , 1999, , .		5

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127	A fluorescence spectroscopic study on the binding of mRNA 5'-cap-analogs to human translation initiation factor eIF4E: a critical evaluation of the sources of error. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 43, 158-163.	1.7	5
128	Multiple Isoforms of Eukaryotic Protein Synthesis Initiation Factor 4E in <i>Caenorhabditis elegans</i> Can Distinguish between Mono- and Trimethylated mRNA Cap Structures. <i>Journal of Biological Chemistry</i> , 1998, 273, 10538-10542.	1.6	84
129	Fluorescence and NMR studies of intramolecular stacking of mRNA cap-analogues. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1354, 145-152.	2.4	16
130	¹ H NMR and fluorescence studies of new mRNA 5'-cap analogues. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 197-202.	1.0	24
131	Inter- and intramolecular stacking of mRNA cap-analogues – relevance to initiation of translation. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 217-221.	1.0	3
132	Phosphorylation of Eukaryotic Protein Synthesis Initiation Factor 4E at Ser-209. <i>Journal of Biological Chemistry</i> , 1995, 270, 14597-14603.	1.6	196
133	A nuclear cap binding protein complex involved in pre-mRNA splicing. <i>Cell</i> , 1994, 78, 657-668.	13.5	493
134	Association of nucleosides and their 5'-monophosphates with a tryptophan containing tripeptide, Trp-Leu-Glu: The source of an overestimation by fluorescence spectroscopy. <i>Biophysical Chemistry</i> , 1993, 47, 233-240.	1.5	17
135	Synthesis of m22,7GTP- and m32,2,7GTP-Sepharose 4B: New affinity resins for isolation of cap binding proteins. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 132-137.	1.0	8
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