Jerry Pelletier

List of Publications by Citations

204 papers	16,792 citations	57 h-index	127 g-index
207 ext. papers	18,674 ext. citations	10.8 avg, IF	6.47 L-index

#	Paper	IF	Citations
204	WT-1 is required for early kidney development. *Cell*, **1993**, 74, 679-91	56.2	1692
203	Internal initiation of translation of eukaryotic mRNA directed by a sequence derived from poliovirus RNA. *Nature*, **1988**, 334, 320-5	50.4	1571
202	Survival signalling by Akt and eIF4E in oncogenesis and cancer therapy. *Nature*, **2004**, 428, 332-7	50.4	830
201	Germline mutations in the WilmsStumor suppressor gene are associated with abnormal urogenital development in Denys-Drash syndrome. *Cell*, **1991**, 67, 437-47	56.2	827
200	The candidate WilmsStumour gene is involved in genitourinary development. *Nature*, **1990**, 346, 194-7	50.4	756
199	Insertion mutagenesis to increase secondary structure within the 5Snoncoding region of a eukaryotic mRNA reduces translational efficiency. *Cell*, **1985**, 40, 515-26	56.2	591
198	Targeting the translation machinery in cancer. *Nature Reviews Drug Discovery*, **2015**, 14, 261-78	64.1	477
197	RNA G-quadruplexes cause eIF4A-dependent oncogene translation in cancer. *Nature*, **2014**, 513, 65-70	50.4	377
196	The energy sensor AMPK regulates T cell metabolic adaptation and effector responses in vivo. *Immunity*, **2015**, 42, 41-54	32.3	372
195	Dissecting eIF4E action in tumorigenesis. *Genes and Development*, **2007**, 21, 3232-7	12.6	363
194	eIF2alpha phosphorylation bidirectionally regulates the switch from short- to long-term synaptic plasticity and memory. *Cell*, **2007**, 129, 195-206	56.2	359
193	Functional characterization of IRESes by an inhibitor of the RNA helicase eIF4A. *Nature Chemical Biology*, **2006**, 2, 213-20	11.7	276
192	Anaplastic WilmsStumour, a subtype displaying poor prognosis, harbours p53 gene mutations. *Nature Genetics*, **1994**, 7, 91-7	36.3	270
191	Inhibition of ribosome recruitment induces stress granule formation independently of eukaryotic initiation factor 2alpha phosphorylation. *Molecular Biology of the Cell*, **2006**, 17, 4212-9	3.5	242
190	Therapeutic suppression of translation initiation modulates chemosensitivity in a mouse lymphoma model. *Journal of Clinical Investigation*, **2008**, 118, 2651-60	15.9	224
189	Targeting the eIF4F translation initiation complex: a critical nexus for cancer development. *Cancer Research*, **2015**, 75, 250-63	10.1	220
188	mTORC1 promotes survival through translational control of Mcl-1. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 10853-8	11.5	220

187	Antitumor activity and mechanism of action of the cyclopenta[b]benzofuran, silvestrol. *PLoS ONE*, **2009**, 4, e5223	3.7	213
186	Germline intronic and exonic mutations in the WilmsStumour gene (WT1) affecting urogenital development. *Nature Genetics*, **1992**, 1, 144-8	36.3	193
185	Structural conservation of druggable hot spots in protein-protein interfaces. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 13528-33	11.5	181
184	Stimulation of mammalian translation initiation factor eIF4A activity by a small molecule inhibitor of eukaryotic translation. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10460-5	11.5	181
183	Therapeutic inhibition of MAP kinase interacting kinase blocks eukaryotic initiation factor 4E phosphorylation and suppresses outgrowth of experimental lung metastases. *Cancer Research*, **2011**, 71, 1849-57	10.1	158
182	Evidence for a familial WilmsStumour gene (FWT1) on chromosome 17q12-q21. *Nature Genetics*, **1996**, 13, 461-3	36.3	145
181	Pharmacological inhibition of DNA-PK stimulates Cas9-mediated genome editing. *Genome Medicine*, **2015**, 7, 93	14.4	141
180	Reversing chemoresistance by small molecule inhibition of the translation initiation complex eIF4F. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 1046-51	11.5	131
179	nanoCAGE reveals 5SUTR features that define specific modes of translation of functionally related MTOR-sensitive mRNAs. *Genome Research*, **2016**, 26, 636-48	9.7	129
178	c-Myc and eIF4F are components of a feedforward loop that links transcription and translation. *Cancer Research*, **2008**, 68, 5326-34	10.1	128
177	RNA-mediated sequestration of the RNA helicase eIF4A by Pateamine A inhibits translation initiation. *Chemistry and Biology*, **2006**, 13, 1287-95		120
176	Inhibitors of protein synthesis identified by a high throughput multiplexed translation screen. *Nucleic Acids Research*, **2004**, 32, 902-15	20.1	118
175	A tumour suppressor network relying on the polyamine-hypusine axis. *Nature*, **2012**, 487, 244-8	50.4	115
174	Repurposing CRISPR/Cas9 for in situ functional assays. *Genes and Development*, **2013**, 27, 2602-14	12.6	102
173	Caliciviruses differ in their functional requirements for eIF4F components. *Journal of Biological Chemistry*, **2006**, 281, 25315-25	5.4	102
172	Initiation of protein synthesis by hepatitis C virus is refractory to reduced eIF2.GTP.Met-tRNA(i)(Met) ternary complex availability. *Molecular Biology of the Cell*, **2006**, 17, 4632-44	3.5	100
171	Selective pharmacological targeting of a DEAD box RNA helicase. *PLoS ONE*, **2008**, 3, e1583	3.7	100
170	MicroRNAs trigger dissociation of eIF4AI and eIF4AII from target mRNAs in humans. *Molecular Cell*, **2014**, 56, 79-89	17.6	99

169	Enantioselective synthesis of the complex rocaglate (-)-silvestrol. *Angewandte Chemie - International Edition*, **2007**, 46, 7831-4	16.4	97
168	Targeting cap-dependent translation blocks converging survival signals by AKT and PIM kinases in lymphoma. *Journal of Experimental Medicine*, **2011**, 208, 1799-807	16.6	95
167	Inhibition of translation by RNA-small molecule interactions. *Rna*, **2002**, 8, 452-63	5.8	95
166	Determinants of sensitivity and resistance to rapamycin-chemotherapy drug combinations in vivo. *Cancer Research*, **2006**, 66, 7639-46	10.1	94
165	Tumorigenic activity and therapeutic inhibition of Rheb GTPase. *Genes and Development*, **2008**, 22, 2178-88	12.6	92
164	Characterization of hMTr1, a human Cap1 2SO-ribose methyltransferase. *Journal of Biological Chemistry*, **2010**, 285, 33037-33044	5.4	89
163	The Organizing Principles of Eukaryotic Ribosome Recruitment. *Annual Review of Biochemistry*, **2019**, 88, 307-335	29.1	88
162	Modulation of RNA Condensation by the DEAD-Box Protein eIF4A. *Cell*, **2020**, 180, 411-426.e16	56.2	88
161	Evidence for a functionally relevant rocaglamide binding site on the eIF4A-RNA complex. *ACS Chemical Biology*, **2013**, 8, 1519-27	4.9	83
160	The biology of DHX9 and its potential as a therapeutic target. *Oncotarget*, **2016**, 7, 42716-42739	3.3	82
159	A cellular response linking eIF4AI activity to eIF4AII transcription. *Rna*, **2012**, 18, 1373-84	5.8	78
158	Translation Initiation Factors: Reprogramming Protein Synthesis in Cancer. *Trends in Cell Biology*, **2016**, 26, 918-933	18.3	77
157	Protospacer adjacent motif (PAM)-distal sequences engage CRISPR Cas9 DNA target cleavage. *PLoS ONE*, **2014**, 9, e109213	3.7	73
156	Blocking eIF4E-eIF4G interaction as a strategy to impair coronavirus replication. *Journal of Virology*, **2011**, 85, 6381-9	6.6	73
155	Targeting synthetic lethal interactions between Myc and the eIF4F complex impedes tumorigenesis. *Cell Reports*, **2012**, 1, 325-33	10.6	72
154	Synthesis of rocaglamide hydroxamates and related compounds as eukaryotic translation inhibitors: synthetic and biological studies. *Journal of Medicinal Chemistry*, **2012**, 55, 558-62	8.3	71
153	Synergistic effects between analogs of DNA and RNA improve the potency of siRNA-mediated gene silencing. *Nucleic Acids Research*, **2010**, 38, 4547-57	20.1	71
152	Altering chemosensitivity by modulating translation elongation. *PLoS ONE*, **2009**, 4, e5428	3.7	71

151	2Sfluoro-4Sthioarabino-modified oligonucleotides: conformational switches linked to siRNA activity. *Nucleic Acids Research*, **2007**, 35, 1441-51	20.1	69
150	Analysis of the 11p13 WilmsStumor suppressor gene (WT1) in ovarian tumors. *Cancer Investigation*, **1993**, 11, 393-9	2.1	64
149	CRISPR-Mediated Drug-Target Validation Reveals Selective Pharmacological Inhibition of the RNA Helicase, eIF4A. *Cell Reports*, **2016**, 15, 2340-7	10.6	62
148	The desmoplastic small round cell tumor t(11;22) translocation produces EWS/WT1 isoforms with differing oncogenic properties. *Oncogene*, **1998**, 16, 1973-9	9.2	60
147	Targeting the eIF4A RNA helicase as an anti-neoplastic approach. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2015**, 1849, 781-91	6	57
146	Structure of human IFIT1 with capped RNA reveals adaptable mRNA binding and mechanisms for sensing N1 and N2 ribose 2SO methylations. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E2106-E2115	11.5	52
145	Biomimetic photocycloaddition of 3-hydroxyflavones: synthesis and evaluation of rocaglate derivatives as inhibitors of eukaryotic translation. *Angewandte Chemie - International Edition*, **2010**, 49, 6533-8	16.4	52
144	Synergistic effect of inhibiting translation initiation in combination with cytotoxic agents in acute myelogenous leukemia cells. *Leukemia Research*, **2010**, 34, 535-41	2.7	51
143	The herpes simplex virus 1 vhs protein enhances translation of viral true late mRNAs and virus production in a cell type-dependent manner. *Journal of Virology*, **2011**, 85, 5363-73	6.6	50
142	Eukaryotic protein synthesis inhibitors identified by comparison of cytotoxicity profiles. *Rna*, **2004**, 10, 528-43	5.8	50
141	Conditional reverse tet-transactivator mouse strains for the efficient induction of TRE-regulated transgenes in mice. *PLoS ONE*, **2014**, 9, e95236	3.7	49
140	Exploring the Impact of Single-Nucleotide Polymorphisms on Translation. *Frontiers in Genetics*, **2018**, 9, 507	4.5	49
139	The translation inhibitor pateamine A prevents cachexia-induced muscle wasting in mice. *Nature Communications*, **2012**, 3, 896	17.4	48
138	Synthesis of the antiproliferative agent hippuristanol and its analogues via Suñez cyclizations and Hg(II)-catalyzed spiroketalizations. *Journal of Organic Chemistry*, **2011**, 76, 1269-84	4.2	47
137	Identification of nuclear localization signals within the zinc fingers of the WT1 tumor suppressor gene product. *FEBS Letters*, **1996**, 393, 41-7	3.8	47
136	Emerging therapeutics targeting mRNA translation. *Cold Spring Harbor Perspectives in Biology*, **2012** , 4, a012377	10.2	46
135	Targeting translation dependence in cancer. *Oncotarget*, **2011**, 2, 76-88	3.3	46
134	Chlorolissoclimides: new inhibitors of eukaryotic protein synthesis. *Rna*, **2006**, 12, 717-25	5.8	45

133	The antidepressant sertraline inhibits translation initiation by curtailing mammalian target of rapamycin signaling. *Cancer Research*, **2010**, 70, 3199-208	10.1	44
132	Structure-activity relationships of quassinoids for eukaryotic protein synthesis. *Cancer Letters*, **2005**, 220, 37-48	9.9	44
131	Translation initiation factor eIF4F modifies the dexamethasone response in multiple myeloma. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13421-6	11.5	43
130	Efficient synthetic approach to potent antiproliferative agent hippuristanol via Hg(II)-catalyzed spiroketalization. *Organic Letters*, **2010**, 12, 4420-3	6.2	43
129	CDK4/6 inhibitors target SMARCA4-determined cyclin D1 deficiency in hypercalcemic small cell carcinoma of the ovary. *Nature Communications*, **2019**, 10, 558	17.4	42
128	Hepatitis C virus-related internal ribosome entry sites are found in multiple genera of the family Picornaviridae. *Journal of General Virology*, **2006**, 87, 927-936	4.9	41
127	Different transcriptional properties of mSim-1 and mSim-2. *FEBS Letters*, **2000**, 466, 80-6	3.8	41
126	Translation initiation: a critical signalling node in cancer. *Expert Opinion on Therapeutic Targets*, **2009**, 13, 1279-93	6.4	40
125	Single-molecule kinetics of the eukaryotic initiation factor 4AI upon RNA unwinding. *Structure*, **2014**, 22, 941-8	5.2	39
124	eIF4A supports an oncogenic translation program in pancreatic ductal adenocarcinoma. *Nature Communications*, **2019**, 10, 5151	17.4	38
123	A harmine-derived beta-carboline displays anti-cancer effects in vitro by targeting protein synthesis. *European Journal of Pharmacology*, **2017**, 805, 25-35	5.3	37
122	PAM multiplicity marks genomic target sites as inhibitory to CRISPR-Cas9 editing. *Nature Communications*, **2015**, 6, 10124	17.4	37
121	Cap-dependent eukaryotic initiation factor-mRNA interactions probed by cross-linking. *Rna*, **2008**, 14, 960-9	5.8	37
120	Ribavirin is not a functional mimic of the 7-methyl guanosine mRNA cap. *Rna*, **2005**, 11, 1238-44	5.8	37
119	Minor C-geranylated flavanones from Paulownia tomentosa fruits with MRSA antibacterial activity. *Phytochemistry*, **2013**, 89, 104-13	4	36
118	The DNA binding domains of the WT1 tumor suppressor gene product and chimeric EWS/WT1 oncoprotein are functionally distinct. *Oncogene*, **1998**, 16, 1021-30	9.2	36
117	Functional characterization of WT1 binding sites within the human vitamin D receptor gene promoter. *Physiological Genomics*, **2001**, 7, 187-200	3.6	36
116	2$3SCyclic nucleotide 3Sphosphodiesterase: a novel RNA-binding protein that inhibits protein synthesis. *Journal of Neuroscience Research*, **2009**, 87, 1069-79	4.4	35

115	An upstream open reading frame impedes translation of the huntingtin gene. *Nucleic Acids Research*, **2002**, 30, 5110-9	20.1	35
114	Perturbations of RNA helicases in cancer. *Wiley Interdisciplinary Reviews RNA*, **2013**, 4, 333-49	9.3	34
113	Persistent transcription- and translation-dependent long-term potentiation induced by mGluR1 in hippocampal interneurons. *Journal of Neuroscience*, **2009**, 29, 5605-15	6.6	34
112	eIF4AII is dispensable for miRNA-mediated gene silencing. *Rna*, **2015**, 21, 1826-33	5.8	33
111	Activation of the wt1 WilmsStumor suppressor gene by NF-kappaB. *Oncogene*, **1998**, 16, 2033-9	9.2	33
110	Phenylpyrrolocytosine as an unobtrusive base modification for monitoring activity and cellular trafficking of siRNA. *ACS Chemical Biology*, **2011**, 6, 912-9	4.9	32
109	Inhibitors of translation initiation as cancer therapeutics. *Future Medicinal Chemistry*, **2009**, 1, 1709-22	4.1	31
108	Synthesis facilitates an understanding of the structural basis for translation inhibition by the lissoclimides. *Nature Chemistry*, **2017**, 9, 1140-1149	17.6	29
107	A CRISPR/Cas9 Functional Screen Identifies Rare Tumor Suppressors. *Scientific Reports*, **2016**, 6, 38968	4.9	29
106	Beyond molecular tumor heterogeneity: protein synthesis takes control. *Oncogene*, **2018**, 37, 2490-2501	9.2	28
105	Hippuristanol - A potent steroid inhibitor of eukaryotic initiation factor 4A. *Translation*, **2016**, 4, e1137381		28
104	Suppression of the DHX9 helicase induces premature senescence in human diploid fibroblasts in a p53-dependent manner. *Journal of Biological Chemistry*, **2014**, 289, 22798-22814	5.4	28
103	Multiple components of eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation. *Journal of Neurophysiology*, **2013**, 109, 68-76	3.2	28
102	Consecutive interactions with HSP90 and eEF1A underlie a functional maturation and storage pathway of AID in the cytoplasm. *Journal of Experimental Medicine*, **2015**, 212, 581-96	16.6	28
101	RNAi screening uncovers Dhx9 as a modifier of ABT-737 resistance in an Eμmyc/Bcl-2 mouse model. *Blood*, **2013**, 121, 3402-12	2.2	28
100	Amidino-Rocaglates: A Potent Class of eIF4A Inhibitors. *Cell Chemical Biology*, **2019**, 26, 1586-1593.e3	8.2	27
99	2SO-methylation of the mRNA cap´protects RNAs from decapping and degradation by DXO. *PLoS ONE*, **2018**, 13, e0193804	3.7	27
98	Modulation of EWS/WT1 activity by the v-Src protein tyrosine kinase. *FEBS Letters*, **2000**, 474, 121-8	3.8	26

97	Requirements for eIF4A and eIF2 during translation of Sindbis virus subgenomic mRNA in vertebrate and invertebrate host cells. *Cellular Microbiology*, **2013**, 15, 823-40	3.9	25
96	Haploinsufficiency of the ESCRT Component HD-PTP Predisposes to Cancer. *Cell Reports*, **2016**, 15, 1893-1900	8.0	25
95	O-GlcNAcylation of core components of the translation initiation machinery regulates protein synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7857-7866	11.5	24
94	Blocking UV-induced eIF2alpha phosphorylation with small molecule inhibitors of GCN2. *Chemical Biology and Drug Design*, **2009**, 74, 57-67	2.9	24
93	Rocaglates Induce Gain-of-Function Alterations to eIF4A and eIF4F. *Cell Reports*, **2020**, 30, 2481-2488.e5	10.6	23
92	Eukaryotic initiation factor 4F: a vulnerability of tumor cells. *Future Medicinal Chemistry*, **2012**, 4, 19-31	4.1	23
91	Synthesis of Aza-Rocaglates via ESIPT-Mediated (3+2) Photocycloaddition. *Chemistry - A European Journal*, **2016**, 22, 12006-10	4.8	23
90	Polyoxygenated Cyclohexenes and Other Constituents of Cleistochlamys kirkii Leaves. *Journal of Natural Products*, **2017**, 80, 114-125	4.9	22
89	Selective targeting of the DEAD-box RNA helicase eukaryotic initiation factor (eIF) 4A by natural products. *Natural Product Reports*, **2020**, 37, 609-616	15.1	21
88	Characterization of an abundant short interspersed nuclear element (SINE) present in Canis familiaris. *Mammalian Genome*, **1998**, 9, 64-9	3.2	20
87	Internal translation initiation mediated by the angiogenic factor Tie2. *Journal of Biological Chemistry*, **2005**, 280, 20945-53	5.4	20
86	Forced engagement of a RNA/protein complex by a chemical inducer of dimerization to modulate gene expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 1882-7	11.5	20
85	Increased in vitro and in vivo sensitivity of BRCA2-associated pancreatic cancer to the poly(ADP-ribose) polymerase-1/2 inhibitor BMN 673. *Cancer Letters*, **2015**, 364, 8-16	9.9	19
84	Cycloheximide and congeners as inhibitors of eukaryotic protein synthesis from endophytic actinomycetes Streptomyces sps. YIM56132 and YIM56141. *Journal of Antibiotics*, **2011**, 64, 163-6	3.7	19
83	Inhibitory properties of nucleic acid-binding ligands on protein synthesis. *FEBS Letters*, **2005**, 579, 79-89	3.8	19
82	Therapeutic Opportunities in Eukaryotic Translation. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	18
81	Inhibitors of translation targeting eukaryotic translation initiation factor 4A. *Methods in Enzymology* , **2012**, 511, 437-61	1.7	18
80	Functional characterization of ORCTL2--an organic cation transporter expressed in the renal proximal tubules. *FEBS Letters*, **1998**, 433, 245-50	3.8	18

79	Intercepted Retro-Nazarov Reaction: Syntheses of Amidino-Rocaglate Derivatives and Their Biological Evaluation as eIF4A Inhibitors. *Journal of the American Chemical Society*, **2019**, 141, 12891-12900	16.4	17
78	Isoflavones and Rotenoids from the Leaves of Millettia oblata ssp. teitensis. *Journal of Natural Products*, **2017**, 80, 2060-2066	4.9	17
77	Activation of the WT1 tumor suppressor gene promoter by Pea3. *FEBS Letters*, **2004**, 560, 183-91	3.8	17
76	Translation Inhibition by Rocaglates Is Independent of eIF4E Phosphorylation Status. *Molecular Cancer Therapeutics*, **2016**, 15, 136-41	6.1	16
75	Huwe1 Regulates the Establishment and Maintenance of Spermatogonia by Suppressing DNA Damage Response. *Endocrinology*, **2017**, 158, 4000-4016	4.8	16
74	Adapting CRISPR/Cas9 for functional genomics screens. *Methods in Enzymology*, **2014**, 546, 193-213	1.7	16
73	Enantioselective Synthesis of the Complex Rocaglate (−)-Silvestrol. *Angewandte Chemie*, **2007**, 119, 7977-7980	3.8	16
72	Obatoclax is a direct and potent antagonist of membrane-restricted Mcl-1 and is synthetic lethal with treatment that induces Bim. *BMC Cancer*, **2015**, 15, 568	4.8	15
71	Desmocollin 1 is abundantly expressed in atherosclerosis and impairs high-density lipoprotein biogenesis. *European Heart Journal*, **2018**, 39, 1194-1202	9.5	15
70	The human insulin mRNA is partly translated via a cap- and eIF4A-independent mechanism. *Biochemical and Biophysical Research Communications*, **2011**, 412, 693-8	3.4	15
69	Identifying small molecule inhibitors of eukaryotic translation initiation. *Methods in Enzymology*, **2007**, 431, 269-302	1.7	15
68	Chemical Synthesis Enables Structural Reengineering of Aglaroxin C Leading to Inhibition Bias for Hepatitis C Viral Infection. *Journal of the American Chemical Society*, **2019**, 141, 1312-1323	16.4	15
67	eIF4A Inhibitors Suppress Cell-Cycle Feedback Response and Acquired Resistance to CDK4/6 Inhibition in Cancer. *Molecular Cancer Therapeutics*, **2019**, 18, 2158-2170	6.1	14
66	Differential action of pateamine A on translation of genomic and subgenomic mRNAs from Sindbis virus. *Virology*, **2015**, 484, 41-50	3.6	14
65	Rocaglates as dual-targeting agents for experimental cerebral malaria. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2366-E2375	11.5	14
64	Internal translation initiation from HIV-1 transcripts is conferred by a common RNA structure. *Translation*, **2014**, 2, e27694		14
63	The von Hippel-Lindau protein pVHL inhibits ribosome biogenesis and protein synthesis. *Journal of Biological Chemistry*, **2013**, 288, 16588-16597	5.4	14
62	A comparative study of small molecules targeting eIF4A. *Rna*, **2020**, 26, 541-549	5.8	13

61	Synthesis of the antiproliferative agent hippuristanol and its analogues from hydrocortisone via Hg(II)-catalyzed spiroketalization: structure-activity relationship. *Journal of Medicinal Chemistry*, **2014**, 57, 2511-23	8.3	13
60	Inhibition of translation by cytotrienin A--a member of the ansamycin family. *Rna*, **2010**, 16, 2404-13	5.8	13
59	5,10b-Ethanophenanthridine amaryllidaceae alkaloids inspire the discovery of novel bicyclic ring systems with activity against drug resistant cancer cells. *European Journal of Medicinal Chemistry*, **2016**, 120, 313-28	6.8	13
58	Tumor progression and metastasis: role of translational deregulation. *Anticancer Research*, **2012**, 32, 3077-84	2.3	13
57	RNA-tethering assay and eIF4G:eIF4A obligate dimer design uncovers multiple eIF4F functional complexes. *Nucleic Acids Research*, **2020**, 48, 8562-8575	20.1	12
56	General and Target-Specific DExD/H RNA Helicases in Eukaryotic Translation Initiation. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
55	Inducible Genome Editing with Conditional CRISPR/Cas9 Mice. *G3: Genes, Genomes, Genetics*, **2018**, 8, 1627-1635	3.2	11
54	eIF4A inhibition prevents the onset of cytokine-induced muscle wasting by blocking the STAT3 and iNOS pathways. *Scientific Reports*, **2018**, 8, 8414	4.9	11
53	Identification and characterization of hippuristanol-resistant mutants reveals eIF4A1 dependencies within mRNA 5Sleader regions. *Nucleic Acids Research*, **2020**, 48, 9521-9537	20.1	11
52	Drug-induced Stress Granule Formation Protects Sensory Hair Cells in Mouse Cochlear Explants During Ototoxicity. *Scientific Reports*, **2019**, 9, 12501	4.9	10
51	Kaiso mediates human ICR1 methylation maintenance and H19 transcriptional fine regulation. *Clinical Epigenetics*, **2016**, 8, 47	7.7	10
50	High-throughput assays probing protein-RNA interactions of eukaryotic translation initiation factors. *Analytical Biochemistry*, **2009**, 384, 180-8	3.1	10
49	Throwing a monkey wrench in the motor: targeting DExH/D box proteins with small molecule inhibitors. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2013**, 1829, 894-903	6	9
48	Abnormal gonadal differentiation in two subjects with ambiguous genitalia, Mullerian structures, and normally developed testes: evidence for a defect in gonadal ridge development. *Human Genetics*, **1996**, 97, 506-11	6.3	9
47	Eukaryotic initiation factor 4F-sidestepping resistance mechanisms arising from expression heterogeneity. *Current Opinion in Genetics and Development*, **2018**, 48, 89-96	4.9	9
46	Oxo-aglaiastatin-Mediated Inhibition of Translation Initiation. *Scientific Reports*, **2019**, 9, 1265	4.9	8
45	Regulation of eukaryotic initiation factor 4AII by MyoD during murine myogenic cell differentiation. *PLoS ONE*, **2014**, 9, e87237	3.7	8
44	The WilmsStumor suppressor gene (wt1) product represses different functional classes of transcriptional activation domains. *Nucleic Acids Research*, **1999**, 27, 2889-97	20.1	8

43	WilmsStumor: a paradigm for insights into development and cancer. *Cancer Investigation*, **1995**, 13, 431-431	2.1	8
42	Functional mimicry revealed by the crystal structure of an eIF4A:RNA complex bound to the interfacial inhibitor, desmethyl pateamine A. *Cell Chemical Biology*, **2021**, 28, 825-834.e6	8.2	8
41	The multifaceted eukaryotic cap structure. *Wiley Interdisciplinary Reviews RNA*, **2021**, 12, e1636	9.3	8
40	Developing anti-neoplastic biotherapeutics against eIF4F. *Cellular and Molecular Life Sciences*, **2017**, 74, 1681-1692	10.3	7
39	Pterocarpans and isoflavones from the root bark of Millettia micans and of Millettia dura. *Phytochemistry Letters*, **2017**, 21, 216-220	1.9	7
38	Suppression of eukaryotic initiation factor 4E prevents chemotherapy-induced alopecia. *BMC Pharmacology & Toxicology*, **2013**, 14, 58	2.6	7
37	Homogenous time resolved fluorescence assay to identify modulators of cap-dependent translation initiation. *Combinatorial Chemistry and High Throughput Screening*, **2007**, 10, 181-8	1.3	7
36	The Tie2 5Suntranslated region is inhibitory to 5Send-mediated translation initiation. *FEBS Letters*, **2006**, 580, 1309-19	3.8	7
35	Amygdala inhibitory neurons as loci for translation in emotional memories. *Nature*, **2020**, 586, 407-411	50.4	7
34	SMARCB1 loss induces druggable cyclin D1 deficiency via upregulation of MIR17HG in atypical teratoid rhabdoid tumors. *Journal of Pathology*, **2020**, 252, 77-87	9.4	6
33	Effect of 2S5S/3S5Sphosphodiester linkage heterogeneity on RNA interference. *Nucleic Acids Research*, **2020**, 48, 4643-4657	20.1	6
32	New Benzopyranyl Cadenane Sesquiterpene and Other Antiplasmodial and Cytotoxic Metabolites from. *Molecules*, **2019**, 24,	4.8	6
31	A New Natural Product Analog of Blasticidin S Reveals Cellular Uptake Facilitated by the NorA Multidrug Transporter. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	5
30	A Meroisoprenoid, Heptenolides, and -Benzylated Flavonoids from ssp.. *Journal of Natural Products*, **2020**, 83, 316-322	4.9	5
29	USP44 is dispensable for normal hematopoietic stem cell function, lymphocyte development, and B-cell-mediated immune response in a mouse model. *Experimental Hematology*, **2019**, 72, 1-8	3.1	5
28	Data in support of a harmine-derived beta-carboline effects in cancer cells through protein synthesis. *Data in Brief*, **2017**, 12, 546-551	1.2	4
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