

Regina Cencic

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,919
citations

361413

20
h-index

265206

42
g-index

46
all docs

46
docs citations

46
times ranked

2842
citing authors

#	ARTICLE	IF	CITATIONS
1	Antitumor Activity and Mechanism of Action of the Cyclopenta[b]benzofuran, Silvestrol. PLoS ONE, 2009, 4, e5223.	2.5	255
2	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, 1046-1051.	7.1	153
3	RNA-Mediated Sequestration of the RNA Helicase eIF4A by Pateamine A Inhibits Translation Initiation. Chemistry and Biology, 2006, 13, 1287-1295.	6.0	144
4	A cellular response linking eIF4A1 activity to eIF4A11 transcription. Rna, 2012, 18, 1373-1384.	3.5	96
5	Protospacer Adjacent Motif (PAM)-Distal Sequences Engage CRISPR Cas9 DNA Target Cleavage. PLoS ONE, 2014, 9, e109213.	2.5	94
6	Blocking eIF4E-eIF4G Interaction as a Strategy To Impair Coronavirus Replication. Journal of Virology, 2011, 85, 6381-6389.	3.4	93
7	Structure of human IFIT1 with capped RNA reveals adaptable mRNA binding and mechanisms for sensing N1 and N2 ribose 2'-O methylations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2106-E2115.	7.1	86
8	Synthesis of Rocaglamide Hydroxamates and Related Compounds as Eukaryotic Translation Inhibitors: Synthetic and Biological Studies. Journal of Medicinal Chemistry, 2012, 55, 558-562.	6.4	83
9	CRISPR-Mediated Drug-Target Validation Reveals Selective Pharmacological Inhibition of the RNA Helicase, eIF4A. Cell Reports, 2016, 15, 2340-2347.	6.4	81
10	CDK4/6 inhibitors target SMARCA4-determined cyclin D1 deficiency in hypercalcemic small cell carcinoma of the ovary. Nature Communications, 2019, 10, 558.	12.8	76
11	Synergistic effect of inhibiting translation initiation in combination with cytotoxic agents in acute myelogenous leukemia cells. Leukemia Research, 2010, 34, 535-541.	0.8	55
12	Hippuristanol - A potent steroid inhibitor of eukaryotic initiation factor 4A. Translation, 2016, 4, e1137381.	2.9	50
13	Rocaglates Induce Gain-of-Function Alterations to eIF4A and eIF4F. Cell Reports, 2020, 30, 2481-2488.e5.	6.4	48
14	Amidino-Rocaglates: A Potent Class of eIF4A Inhibitors. Cell Chemical Biology, 2019, 26, 1586-1593.e3.	5.2	45
15	A CRISPR/Cas9 Functional Screen Identifies Rare Tumor Suppressors. Scientific Reports, 2016, 6, 38968.	3.3	36
16	Haploinsufficiency of the ESCRT Component HD-PTP Predisposes to Cancer. Cell Reports, 2016, 15, 1893-1900.	6.4	36
17	Synthesis facilitates an understanding of the structural basis for translation inhibition by the lissoclimides. Nature Chemistry, 2017, 9, 1140-1149.	13.6	36
18	Synthesis of Aza-Rocaglates via ESIPT-Mediated (3+2) Photocycloaddition. Chemistry - A European Journal, 2016, 22, 12006-12010.	3.3	34

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19	A comparative study of small molecules targeting eIF4A. <i>Rna</i> , 2020, 26, 541-549.	3.5	27
20	eIF4A Inhibitors Suppress Cell-Cycle Feedback Response and Acquired Resistance to CDK4/6 Inhibition in Cancer. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2158-2170.	4.1	25
21	Functional mimicry revealed by the crystal structure of an eIF4A:RNA complex bound to the interfacial inhibitor, desmethyl pateamine A. <i>Cell Chemical Biology</i> , 2021, 28, 825-834.e6.	5.2	25
22	Rocaglates as dual-targeting agents for experimental cerebral malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2366-E2375.	7.1	24
23	Identification and characterization of hippuristanol-resistant mutants reveals eIF4A1 dependencies within mRNA 5' leader regions. <i>Nucleic Acids Research</i> , 2020, 48, 9521-9537.	14.5	22
24	Obatoclox is a direct and potent antagonist of membrane-restricted Mcl-1 and is synthetic lethal with treatment that induces Bim. <i>BMC Cancer</i> , 2015, 15, 568.	2.6	21
25	Huwe1 Regulates the Establishment and Maintenance of Spermatogonia by Suppressing DNA Damage Response. <i>Endocrinology</i> , 2017, 158, 4000-4016.	2.8	21
26	RNA-tethering assay and eIF4G:eIF4A obligate dimer design uncovers multiple eIF4F functional complexes. <i>Nucleic Acids Research</i> , 2020, 48, 8562-8575.	14.5	21
27	Inhibitors of Translation Targeting Eukaryotic Translation Initiation Factor 4A. <i>Methods in Enzymology</i> , 2012, 511, 437-461.	1.0	20
28	Adapting CRISPR/Cas9 for Functional Genomics Screens. <i>Methods in Enzymology</i> , 2014, 546, 193-213.	1.0	17
29	Translation Inhibition by Rocaglates Is Independent of eIF4E Phosphorylation Status. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 136-141.	4.1	17
30	Identifying Small Molecule Inhibitors of Eukaryotic Translation Initiation. <i>Methods in Enzymology</i> , 2007, 431, 269-302.	1.0	16
31	Internal translation initiation from HIV-1 transcripts is conferred by a common RNA structure. <i>Translation</i> , 2014, 2, e27694.	2.9	16
32	5,10b-Ethanophenanthridine amaryllidaceae alkaloids inspire the discovery of novel bicyclic ring systems with activity against drug resistant cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2016, 120, 313-328.	5.5	16
33	Kaiso mediates human ICR1 methylation maintenance and H19 transcriptional fine regulation. <i>Clinical Epigenetics</i> , 2016, 8, 47.	4.1	15
34	Effect of 2'5'-phosphodiester linkage heterogeneity on RNA interference. <i>Nucleic Acids Research</i> , 2020, 48, 4643-4657.	14.5	15
35	Assessing eukaryotic initiation factor 4F subunit essentiality by CRISPR-induced gene ablation in the mouse. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6709-6719.	5.4	13
36	Throwing a monkey wrench in the motor: Targeting DEXH/D box proteins with small molecule inhibitors. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 894-903.	1.9	11

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37	A New Natural Product Analog of Blastidicin S Reveals Cellular Uptake Facilitated by the NorA Multidrug Transporter. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	10
38	Eukaryotic Translation Initiation Factor 4A1: A Potential Novel Target in Neuroblastoma. <i>Cells</i> , 2021, 10, 301.	4.1	10
39	Oxo-aglaistatin-Mediated Inhibition of Translation Initiation. <i>Scientific Reports</i> , 2019, 9, 1265.	3.3	8
40	Homogenous Time Resolved Fluorescence Assay to Identify Modulators of Cap-Dependent Translation Initiation. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 181-188.	1.1	7
41	Tracing MYC Expression for Small Molecule Discovery. <i>Cell Chemical Biology</i> , 2019, 26, 699-710.e6.	5.2	5
42	A forward genetic screen identifies modifiers of rocaglate responsiveness. <i>Scientific Reports</i> , 2021, 11, 18516.	3.3	3
43	A cautionary note on the use of cap analogue affinity resins. <i>Analytical Biochemistry</i> , 2018, 560, 24-29.	2.4	2
44	CRISPR-Based Screen Links an Inhibitor of Nonsense-Mediated Decay to eIF4A3 Target Engagement. <i>ACS Chemical Biology</i> , 2020, 15, 1621-1629.	3.4	2