

Tyson Ernst Graber

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,905
citations

361413

20
h-index

315739

38
g-index

53
all docs

53
docs citations

53
times ranked

3054
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of SARS-CoV-2 RNA from wastewater solids in communities with low COVID-19 incidence and prevalence. <i>Water Research</i> , 2021, 188, 116560.	11.3	297
2	La-related Protein 1 (LARP1) Represses Terminal Oligopyrimidine (TOP) mRNA Translation Downstream of mTOR Complex 1 (mTORC1). <i>Journal of Biological Chemistry</i> , 2015, 290, 15996-16020.	3.4	198
3	Catching a resurgence: Increase in SARS-CoV-2 viral RNA identified in wastewater 48h before COVID-19 clinical tests and 96h before hospitalizations. <i>Science of the Total Environment</i> , 2021, 770, 145319.	8.0	159
4	Reactivation of stalled polyribosomes in synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16205-16210.	7.1	149
5	A recollection of mTOR signaling in learning and memory. <i>Learning and Memory</i> , 2013, 20, 518-530.	1.3	106
6	The eIF4G homolog DAP5/p97 supports the translation of select mRNAs during endoplasmic reticulum stress. <i>Nucleic Acids Research</i> , 2007, 36, 168-178.	14.5	72
7	Cap-independent regulation of gene expression in apoptosis. <i>Molecular BioSystems</i> , 2007, 3, 825.	2.9	63
8	Spurious splicing within the XIAP 5' UTR occurs in the Rluc/Fluc but not the β gal/CAT bicistronic reporter system. <i>Rna</i> , 2005, 11, 1605-1609.	3.5	57
9	NF45 functions as an IRES trans-acting factor that is required for translation of cIAP1 during the unfolded protein response. <i>Cell Death and Differentiation</i> , 2010, 17, 719-729.	11.2	57
10	Translation-State Analysis of Gene Expression in Mouse Brain after Focal Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 657-667.	4.3	55
11	Detection of the Omicron (B.1.1.529) variant of SARS-CoV-2 in aircraft wastewater. <i>Science of the Total Environment</i> , 2022, 820, 153171.	8.0	55
12	Near real-time determination of B.1.1.7 in proportion to total SARS-CoV-2 viral load in wastewater using an allele-specific primer extension PCR strategy. <i>Water Research</i> , 2021, 205, 117681.	11.3	48
13	mTORC1 promotes TOP mRNA translation through site-specific phosphorylation of LARP1. <i>Nucleic Acids Research</i> , 2021, 49, 3461-3489.	14.5	47
14	hnRNP A1 regulates UV-induced NF- κ B signalling through destabilization of cIAP1 mRNA. <i>Cell Death and Differentiation</i> , 2009, 16, 244-252.	11.2	44
15	IGF2BP1 controls cell death and drug resistance in rhabdomyosarcomas by regulating translation of cIAP1. <i>Oncogene</i> , 2015, 34, 1532-1541.	5.9	41
16	Assessment of Selective mRNA Translation in Mammalian Cells by Polysome Profiling. <i>Journal of Visualized Experiments</i> , 2014, , e52295.	0.3	36
17	COVID-19 wastewater surveillance in rural communities: Comparison of lagoon and pumping station samples. <i>Science of the Total Environment</i> , 2021, 801, 149618.	8.0	36
18	Battling for Ribosomes: Translational Control at the Forefront of the Antiviral Response. <i>Journal of Molecular Biology</i> , 2018, 430, 1965-1992.	4.2	35

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19	UPF1 Governs Synaptic Plasticity through Association with a STAU2 RNA Granule. <i>Journal of Neuroscience</i> , 2017, 37, 9116-9131.	3.6	24
20	Translational profiling of macrophages infected with <i>Leishmania donovani</i> identifies mTOR- and eIF4A-sensitive immune-related transcripts. <i>PLoS Pathogens</i> , 2020, 16, e1008291.	4.7	24
21	Nucleotide Composition of Cellular Internal Ribosome Entry Sites Defines Dependence on NF45 and Predicts a Posttranscriptional Mitotic Regulon. <i>Molecular and Cellular Biology</i> , 2013, 33, 307-318.	2.3	23
22	The Protozoan Parasite <i>Toxoplasma gondii</i> Selectively Reprograms the Host Cell Translatome. <i>Infection and Immunity</i> , 2018, 86, .	2.2	22
23	Distinct roles for the cellular inhibitors of apoptosis proteins 1 and 2. <i>Cell Death and Disease</i> , 2011, 2, e135-e135.	6.3	21
24	Metformin requires 4E-BPs to induce apoptosis and repress translation of Mcl-1 in hepatocellular carcinoma cells. <i>Oncotarget</i> , 2017, 8, 50542-50556.	1.8	21
25	Active-site mTOR inhibitors augment HSV1-dICP0 infection in cancer cells via dysregulated eIF4E/4E-BP axis. <i>PLoS Pathogens</i> , 2018, 14, e1007264.	4.7	20
26	miR-223 Exerts Translational Control of Proatherogenic Genes in Macrophages. <i>Circulation Research</i> , 2022, 131, 42-58.	4.5	17
27	Translational repression of <i>Ccl5</i> and <i>Cxcl10</i> by 4E-BP1 and 4E-BP2 restrains the ability of mouse macrophages to induce migration of activated T cells. <i>European Journal of Immunology</i> , 2019, 49, 1200-1212.	2.9	15
28	Induction of an Alternative mRNA 5' Leader Enhances Translation of the Ciliopathy Gene <i>Inpp5e</i> and Resistance to Oncolytic Virus Infection. <i>Cell Reports</i> , 2019, 29, 4010-4023.e5.	6.4	15
29	eIF4E-Binding Proteins 1 and 2 Limit Macrophage Anti-Inflammatory Responses through Translational Repression of IL-10 and Cyclooxygenase-2. <i>Journal of Immunology</i> , 2018, 200, 4102-4116.	0.8	14
30	Ionizing Radiation and Translation Control: A Link to Radiation Hormesis?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6650.	4.1	13
31	Cerebral ischemia induces neuronal expression of novel VL30 mouse retrotransposons bound to polyribosomes. <i>Brain Research</i> , 2006, 1094, 24-37.	2.2	12
32	RT-qPCR and ATOplex sequencing for the sensitive detection of SARS-CoV-2 RNA for wastewater surveillance. <i>Water Research</i> , 2022, 220, 118621.	11.3	12
33	Identification of pannexin 1-regulated genes, interactome, and pathways in rhabdomyosarcoma and its tumor inhibitory interaction with AHNAK. <i>Oncogene</i> , 2021, 40, 1868-1883.	5.9	11
34	Metagenomics of Wastewater Influent from Wastewater Treatment Facilities across Ontario in the Era of Emerging SARS-CoV-2 Variants of Concern. <i>Microbiology Resource Announcements</i> , 2022, 11, .	0.6	11
35	Characterizing Cellular Responses During Oncolytic Maraba Virus Infection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 580.	4.1	10
36	Transcriptional profiling of macrophages reveals distinct parasite stage-driven signatures during early infection by <i>Leishmania donovani</i> . <i>Scientific Reports</i> , 2022, 12, 6369.	3.3	9

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37	Evolution ofÂTOR and Translation Control. , 2016, , 327-411.		8
38	The highs and lows of ionizing radiation and its effects on protein synthesis. Cellular Signalling, 2022, 89, 110169.	3.6	4
39	An Approach to Whole-Genome Identification of IRES Elements. Current Genomics, 2006, 7, 205-215.	1.6	3
40	Addition and correction. Molecular BioSystems, 2008, 4, 98.	2.9	0
41	Abstract 4256: Characterization of the cellular inhibitor of apoptosis 1 (cIAP1) IRES trans-acting factors and their contribution to apoptotic resistance in rhabdomyosarcomas. , 2014, , .		0