Tyson Ernst Graber

List of Publications by Year
in descending order

40 papers	1,905 citations	411340 20 h-index	355658 38 g-index
53 all docs	53 docs citations	53 times ranked	3333 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. Water Research, 2021, 188, 116560.	5.3	297
2	La-related Protein 1 (LARP1) Represses Terminal Oligopyrimidine (TOP) mRNA Translation Downstream of mTOR Complex 1 (mTORC1). Journal of Biological Chemistry, 2015, 290, 15996-16020.	1.6	198
3	Catching a resurgence: Increase in SARS-CoV-2 viral RNA identified in wastewater 48Âh before COVID-19 clinical tests and 96Âh before hospitalizations. Science of the Total Environment, 2021, 770, 145319.	3.9	159
4	Reactivation of stalled polyribosomes in synaptic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16205-16210.	3.3	149
5	A recollection of mTOR signaling in learning and memory. Learning and Memory, 2013, 20, 518-530.	0.5	106
6	The eIF4G homolog DAP5/p97 supports the translation of select mRNAs during endoplasmic reticulum stress. Nucleic Acids Research, 2007, 36, 168-178.	6.5	72
7	Cap-independent regulation of gene expression in apoptosis. Molecular BioSystems, 2007, 3, 825.	2.9	63
8	Spurious splicing within the XIAP 5' UTR occurs in the Rluc/Fluc but not the Âgal/CAT bicistronic reporter system. Rna, 2005, 11, 1605-1609.	1.6	57
9	NF45 functions as an IRES trans-acting factor that is required for translation of cIAP1 during the unfolded protein response. Cell Death and Differentiation, 2010, 17, 719-729.	5.0	57
10	Translation-State Analysis of Gene Expression in Mouse Brain after Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 657-667.	2.4	55
11	Detection of the Omicron (B.1.1.529) variant of SARS-CoV-2 in aircraft wastewater. Science of the Total Environment, 2022, 820, 153171.	3.9	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. Water Research, 2021, 205, 117681.	5.3	48
13	mTORC1 promotes TOP mRNA translation through site-specific phosphorylation of LARP1. Nucleic Acids Research, 2021, 49, 3461-3489.	6.5	47
14	hnRNP A1 regulates UV-induced NF-Î²B signalling through destabilization of cIAP1 mRNA. Cell Death and Differentiation, 2009, 16, 244-252.	5.0	44
15	IGF2BP1 controls cell death and drug resistance in rhabdomyosarcomas by regulating translation of cIAP1. Oncogene, 2015, 34, 1532-1541.	2.6	41
16	Assessment of Selective mRNA Translation in Mammalian Cells by Polysome Profiling. Journal of Visualized Experiments, 2014, , e52295.	0.2	36
17	COVID-19 wastewater surveillance in rural communities: Comparison of lagoon and pumping station samples. Science of the Total Environment, 2021, 801, 149618.	3.9	36
18	Battling for Ribosomes: Translational Control at the Forefront of the Antiviral Response. Journal of Molecular Biology, 2018, 430, 1965-1992.	2.0	35

#	Article	IF	Citations
19	UPF1 Governs Synaptic Plasticity through Association with a STAU2 RNA Granule. Journal of Neuroscience, 2017, 37, 9116-9131.	1.7	24
20	Translational profiling of macrophages infected with Leishmania donovani identifies mTOR- and eIF4A-sensitive immune-related transcripts. PLoS Pathogens, 2020, 16, e1008291.	2.1	24
21	Nucleotide Composition of Cellular Internal Ribosome Entry Sites Defines Dependence on NF45 and Predicts a Posttranscriptional Mitotic Regulon. Molecular and Cellular Biology, 2013, 33, 307-318.	1.1	23
22	The Protozoan Parasite Toxoplasma gondii Selectively Reprograms the Host Cell Translatome. Infection and Immunity, 2018, 86, .	1.0	22
23	Distinct roles for the cellular inhibitors of apoptosis proteins 1 and 2. Cell Death and Disease, 2011, 2, e135-e135.	2.7	21
24	Metformin requires 4E-BPs to induce apoptosis and repress translation of Mcl-1 in hepatocellular carcinoma cells. Oncotarget, 2017, 8, 50542-50556.	0.8	21
25	Active-site mTOR inhibitors augment HSV1-dICP0 infection in cancer cells via dysregulated eIF4E/4E-BP axis. PLoS Pathogens, 2018, 14, e1007264.	2.1	20
26	miR-223 Exerts Translational Control of Proatherogenic Genes in Macrophages. Circulation Research, 2022, 131, 42-58.	2.0	17
27	Translational repression of Ccl5 and Cxcl10 by 4Eâ€BP1 and 4Eâ€BP2 restrains the ability of mouse macrophages to induce migration of activated TÂcells. European Journal of Immunology, 2019, 49, 1200-1212.	1.6	15
28	Induction of an Alternative mRNA 5â€² Leader Enhances Translation of the Ciliopathy Gene Inpp5e and Resistance to Oncolytic Virus Infection. Cell Reports, 2019, 29, 4010-4023.e5.	2.9	15
29	eIF4E-Binding Proteins 1 and 2 Limit Macrophage Anti-Inflammatory Responses through Translational Repression of IL-10 and Cyclooxygenase-2. Journal of Immunology, 2018, 200, 4102-4116.	0.4	14
30	Ionizing Radiation and Translation Control: A Link to Radiation Hormesis?. International Journal of Molecular Sciences, 2020, 21, 6650.	1.8	13
31	Cerebral ischemia induces neuronal expression of novel VL30 mouse retrotransposons bound to polyribosomes. Brain Research, 2006, 1094, 24-37.	1.1	12
32	RT-qPCR and ATOPlex sequencing for the sensitive detection of SARS-CoV-2 RNA for wastewater surveillance. Water Research, 2022, 220, 118621.	5.3	12
33	Identification of pannexin 1-regulated genes, interactome, and pathways in rhabdomyosarcoma and its tumor inhibitory interaction with AHNAK. Oncogene, 2021, 40, 1868-1883.	2.6	11
34	Metagenomics of Wastewater Influent from Wastewater Treatment Facilities across Ontario in the Era of Emerging SARS-CoV-2 Variants of Concern. Microbiology Resource Announcements, 2022, 11, .	0.3	11
35	Characterizing Cellular Responses During Oncolytic Maraba Virus Infection. International Journal of Molecular Sciences, 2019, 20, 580.	1.8	10
36	Transcriptional profiling of macrophages reveals distinct parasite stage-driven signatures during early infection by Leishmania donovani. Scientific Reports, 2022, 12, 6369.	1.6	9

#	Article	IF	Citations
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.	1.7	4
39	An Approach to Whole-Genome Identification of IRES Elements. Current Genomics, 2006, 7, 205-215.	0.7	3
40	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