

Alexandre David

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,254
citations

186209

28
h-index

168321

53
g-index

60
all docs

60
docs citations

60
times ranked

4976
citing authors

#	ARTICLE	IF	CITATIONS
1	Uppaal SMC tutorial. International Journal on Software Tools for Technology Transfer, 2015, 17, 397-415.	1.7	354
2	Innate immune and chemically triggered oxidative stress modifies translational fidelity. Nature, 2009, 462, 522-526.	13.7	290
3	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. Journal of Cell Biology, 2012, 197, 45-57.	2.3	255
4	The cell proliferation antigen Ki-67 organises heterochromatin. ELife, 2016, 5, e13722.	2.8	237
5	Efficient On-the-Fly Algorithms for the Analysis of Timed Games. Lecture Notes in Computer Science, 2005, , 66-80.	1.0	191
6	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
7	Dendritic cell aggresome-like induced structures are dedicated areas for ubiquitination and storage of newly synthesized defective proteins. Journal of Cell Biology, 2004, 164, 667-675.	2.3	139
8	Fitness costs limit influenza A virus hemagglutinin glycosylation as an immune evasion strategy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1417-22.	3.3	122
9	FTO-mediated cytoplasmic m6Am demethylation adjusts stem-like properties in colorectal cancer cell. Nature Communications, 2021, 12, 1716.	5.8	83
10	Unexpected Role for the Immunoproteasome Subunit LMP2 in Antiviral Humoral and Innate Immune Responses. Journal of Immunology, 2010, 184, 4115-4122.	0.4	82
11	The ribosome, (slow) beating heart of cancer (stem) cell. Oncogenesis, 2018, 7, 34.	2.1	82
12	Human cathepsin S, but not cathepsin L, degrades efficiently MHC class II-associated invariant chain in nonprofessional APCs. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6664-6669.	3.3	81
13	RNA Binding Targets Aminoacyl-tRNA Synthetases to Translating Ribosomes. Journal of Biological Chemistry, 2011, 286, 20688-20700.	1.6	71
14	An epitranscriptomic mechanism underlies selective mRNA translation remodelling in melanoma persister cells. Nature Communications, 2019, 10, 5713.	5.8	70
15	TOSO, the Fcγ4 Receptor, Is Highly Expressed on Chronic Lymphocytic Leukemia B Cells, Internalizes upon IgM Binding, Shuttles to the Lysosome, and Is Downregulated in Response to TLR Activation. Journal of Immunology, 2011, 187, 4040-4050.	0.4	67
16	Endogenous viral antigen processing generates peptide-specific MHC class I cell-surface clusters. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15407-15412.	3.3	65
17	Developing U<sc>PPAAL</sc> over 15 years. Software - Practice and Experience, 2011, 41, 133-142.	2.5	63
18	PKA-Dependent Phosphorylation of Ribosomal Protein S6 Does Not Correlate with Translation Efficiency in Striatonigral and Striatopallidal Medium-Sized Spiny Neurons. Journal of Neuroscience, 2015, 35, 4113-4130.	1.7	61

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19	Monitoring cotranslational protein folding in mammalian cells at codon resolution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12467-12472.	3.3	59
20	TRM6/61 connects PKC ζ with translational control through tRNA ^{iMet} stabilization: impact on tumorigenesis. Oncogene, 2016, 35, 1785-1796.	2.6	53
21	Cystatin F is secreted, but artificial modification of its C-terminus can induce its endocytic targeting. Experimental Cell Research, 2004, 297, 607-618.	1.2	42
22	An evaluation framework for energy aware buildings using statistical model checking. Science China Information Sciences, 2012, 55, 2694-2707.	2.7	39
23	RNA Polymerase II Inhibitors Dissociate Antigenic Peptide Generation from Normal Viral Protein Synthesis: A Role for Nuclear Translation in Defective Ribosomal Product Synthesis?. Journal of Immunology, 2010, 185, 6728-6733.	0.4	38
24	Vaccinia and influenza A viruses select rather than adjust tRNAs to optimize translation. Nucleic Acids Research, 2013, 41, 1914-1921.	6.5	37
25	Translation initiation factors and active sites of protein synthesis co-localize at the leading edge of migrating fibroblasts. Biochemical Journal, 2011, 438, 217-227.	1.7	35
26	Emetine optimally facilitates nascent chain puromycylation and potentiates the ribopuromycylation method (RPM) applied to inert cells. Histochemistry and Cell Biology, 2013, 139, 501-504.	0.8	35
27	Statistical model checking for biological systems. International Journal on Software Tools for Technology Transfer, 2015, 17, 351-367.	1.7	33
28	BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells. Blood, 2011, 118, 609-617.	0.6	30
29	BAD-LAMP defines a subset of early endocytic organelles in subpopulations of cortical projection neurons. Journal of Cell Science, 2007, 120, 353-365.	1.2	29
30	The RiboPuromycylation Method (RPM): an Immunofluorescence Technique to Map Translation Sites at the Sub-cellular Level. Bio-protocol, 2018, 8, .	0.2	28
31	Translational reprogramming of colorectal cancer cells induced by 5-fluorouracil through a miRNA-dependent mechanism. Oncotarget, 2017, 8, 46219-46233.	0.8	25
32	Alteration of ribosome function upon 5-fluorouracil treatment favors cancer cell drug-tolerance. Nature Communications, 2022, 13, 173.	5.8	23
33	Protein Translation Activity: A New Measure of Host Immune Cell Activation. Journal of Immunology, 2016, 197, 1498-1506.	0.4	21
34	Ribo-seq enlightens codon usage bias. DNA Research, 2017, 24, 303-210.	1.5	20
35	Interaction of rRNA with mRNA and tRNA in Translating Mammalian Ribosome: Functional Implications in Health and Disease. Biomolecules, 2018, 8, 100.	1.8	20
36	What is the impact of local control in Ewing sarcoma: analysis of the first Brazilian collaborative study group "EWING1. BMC Cancer, 2017, 17, 420.	1.1	19

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37	Model Checking Timed Automata with Priorities Using DBM Subtraction. Lecture Notes in Computer Science, 2006, , 128-142.	1.0	19
38	Positioning Europe for the EPITRANSCRIPTOMICS challenge. RNA Biology, 2018, 15, 1-3.	1.5	18
39	Mouse adult hematopoietic stem cells actively synthesize ribosomal RNA. Rna, 2018, 24, 1803-1812.	1.6	18
40	Scenario-based verification of real-time systems using Uppaal. Formal Methods in System Design, 2010, 37, 200-264.	0.9	17
41	Compositional verification of real-time systems using Ecdar. International Journal on Software Tools for Technology Transfer, 2012, 14, 703-720.	1.7	17
42	Antibiotics inhibit sphere-forming ability in suspension culture. Cancer Cell International, 2016, 16, 6.	1.8	17
43	The multifaceted functions of the Fat mass and Obesity-associated protein (FTO) in normal and cancer cells. RNA Biology, 2022, 19, 132-142.	1.5	16
44	Quantifying RNA modifications by mass spectrometry: a novel source of biomarkers in oncology. Critical Reviews in Clinical Laboratory Sciences, 2022, 59, 1-18.	2.7	14
45	Harnessing the Fcγ4 Receptor for Potent and Selective Cytotoxic Therapy of Chronic Lymphocytic Leukemia. Cancer Research, 2014, 74, 7510-7520.	0.4	13
46	Nuclear translation for immunosurveillance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17612-17613.	3.3	10
47	A Context-Aware User Interface for Wireless Personal-Area Network Assistive Environments. Wireless Personal Communications, 2013, 69, 427-447.	1.8	8
48	Degree of Schedulability of Mixed-Criticality Real-Time Systems with Probabilistic Sporadic Tasks. , 2014, , .		8
49	Formal verification and simulation for platform screen doors and collision avoidance in subway control systems. International Journal on Software Tools for Technology Transfer, 2014, 16, 339-361.	1.7	8
50	Applying the Ribopuromycylation Method to Detect Nuclear Translation. Methods in Molecular Biology, 2015, 1228, 133-142.	0.4	5
51	CysteinyI-tRNA Deacylation Can Be Uncoupled from Protein Synthesis. PLoS ONE, 2012, 7, e33072.	1.1	3
52	Visualisation of ribosomes in <i>Drosophila</i> axons using Ribo-BiFC. Biology Open, 2020, 8, .	0.6	3
53	Editorial: Proteostenosis: cancer's Achilles heel?. Journal of Leukocyte Biology, 2012, 92, 913-915.	1.5	2
54	Quantified Dynamic Metric Temporal Logic for Dynamic Networks of Stochastic Hybrid Automata. , 2014, , .		2

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55	Determining Ribosome Translational Status by Ribo-ELISA. Bio-protocol, 2018, 8, .	0.2	2