

# Alexandre David

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8791629/publications.pdf>

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  | Quantifying RNA modifications by mass spectrometry: a novel source of biomarkers in oncology. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022, 59, 1-18. | 2.7 | 14        |
| 2  | The multifaceted functions of the Fat mass and Obesity-associated protein (FTO) in normal and cancer cells. <i>RNA Biology</i> , 2022, 19, 132-142.                     | 1.5 | 16        |
| 3  | Alteration of ribosome function upon 5-fluorouracil treatment favors cancer cell drug-tolerance. <i>Nature Communications</i> , 2022, 13, 173.                          | 5.8 | 23        |
| 4  | FTO-mediated cytoplasmic m6Am demethylation adjusts stem-like properties in colorectal cancer cell. <i>Nature Communications</i> , 2021, 12, 1716.                      | 5.8 | 83        |
| 5  | Visualisation of ribosomes in <i>Drosophila</i> axons using Ribo-BiFC. <i>Biology Open</i> , 2020, 8, .   | 0.6 | 3         |
| 6  | An epitranscriptomic mechanism underlies selective mRNA translation remodelling in melanoma persister cells. <i>Nature Communications</i> , 2019, 10, 5713.             | 5.8 | 70        |
| 7  | Positioning Europe for the EPITRANSCRIPTOMICS challenge. <i>RNA Biology</i> , 2018, 15, 1-3.  | 1.5 | 18        |
| 8  | The ribosome, (slow) beating heart of cancer (stem) cell. <i>Oncogenesis</i> , 2018, 7, 34.   | 2.1 | 82        |
| 9  | Mouse adult hematopoietic stem cells actively synthesize ribosomal RNA. <i>Rna</i> , 2018, 24, 1803-1812.   | 1.6 | 18        |
| 10 | Interaction of rRNA with mRNA and tRNA in Translating Mammalian Ribosome: Functional Implications in Health and Disease. <i>Biomolecules</i> , 2018, 8, 100.            | 1.8 | 20        |
| 11 | The RiboPuromycylation Method (RPM): an Immunofluorescence Technique to Map Translation Sites at the Sub-cellular Level. <i>Bio-protocol</i> , 2018, 8, .               | 0.2 | 28        |
| 12 | Determining Ribosome Translational Status by Ribo-ELISA. <i>Bio-protocol</i> , 2018, 8, .   | 0.2 | 2         |
| 13 | What is the impact of local control in Ewing sarcoma: analysis of the first Brazilian collaborative study group "EWING1. <i>BMC Cancer</i> , 2017, 17, 420.             | 1.1 | 19        |
| 14 | Ribo-seq enlightens codon usage bias. <i>DNA Research</i> , 2017, 24, 303-210.  | 1.5 | 20        |
| 15 | Translational reprogramming of colorectal cancer cells induced by 5-fluorouracil through a miRNA-dependent mechanism. <i>Oncotarget</i> , 2017, 8, 46219-46233.         | 0.8 | 25        |
| 16 | The cell proliferation antigen Ki-67 organises heterochromatin. <i>ELife</i> , 2016, 5, e13722.   | 2.8 | 237       |
| 17 | Protein Translation Activity: A New Measure of Host Immune Cell Activation. <i>Journal of Immunology</i> , 2016, 197, 1498-1506.  | 0.4 | 21        |
| 18 | Antibiotics inhibit sphere-forming ability in suspension culture. <i>Cancer Cell International</i> , 2016, 16, 6.   | 1.8 | 17        |

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|----|---|-----|-----------|
| 19 | TRM6/61 connects PKC $\zeta$ with translational control through tRNA <sup>Met</sup> stabilization: impact on tumorigenesis. <i>Oncogene</i> , 2016, 35, 1785-1796.  | 2.6 | 53        |
| 20 | PKA-Dependent Phosphorylation of Ribosomal Protein S6 Does Not Correlate with Translation Efficiency in Striatonigral and Striatopallidal Medium-Sized Spiny Neurons. <i>Journal of Neuroscience</i> , 2015, 35, 4113-4130. | 1.7 | 61        |
| 21 | Uppaal SMC tutorial. <i>International Journal on Software Tools for Technology Transfer</i> , 2015, 17, 397-415.  | 1.7 | 354       |
| 22 | Statistical model checking for biological systems. <i>International Journal on Software Tools for Technology Transfer</i> , 2015, 17, 351-367.  | 1.7 | 33        |
| 23 | Applying the Ribopuromylation Method to Detect Nuclear Translation. <i>Methods in Molecular Biology</i> , 2015, 1228, 133-142.  | 0.4 | 5         |
| 24 | Degree of Schedulability of Mixed-Criticality Real-Time Systems with Probabilistic Sporadic Tasks. , 2014, , .  |     | 8         |
| 25 | Quantified Dynamic Metric Temporal Logic for Dynamic Networks of Stochastic Hybrid Automata. , 2014, , .  |     | 2         |
| 26 | Harnessing the Fc $\gamma$ Receptor for Potent and Selective Cytotoxic Therapy of Chronic Lymphocytic Leukemia. <i>Cancer Research</i> , 2014, 74, 7510-7520.   | 0.4 | 13        |
| 27 | Formal verification and simulation for platform screen doors and collision avoidance in subway control systems. <i>International Journal on Software Tools for Technology Transfer</i> , 2014, 16, 339-361.                 | 1.7 | 8         |
| 28 | Emetine optimally facilitates nascent chain puromylation and potentiates the ribopuromylation method (RPM) applied to inert cells. <i>Histochemistry and Cell Biology</i> , 2013, 139, 501-504.                             | 0.8 | 35        |
| 29 | A Context-Aware User Interface for Wireless Personal-Area Network Assistive Environments. <i>Wireless Personal Communications</i> , 2013, 69, 427-447.  | 1.8 | 8         |
| 30 | Nuclear translation for immunosurveillance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17612-17613.  | 3.3 | 10        |
| 31 | Vaccinia and influenza A viruses select rather than adjust tRNAs to optimize translation. <i>Nucleic Acids Research</i> , 2013, 41, 1914-1921.  | 6.5 | 37        |
| 32 | 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.  | 3.3 | 149       |
| 33 | Nuclear translation visualized by ribosome-bound nascent chain puromylation. <i>Journal of Cell Biology</i> , 2012, 197, 45-57.   | 2.3 | 255       |
| 34 | Editorial: Proteostenosis: cancer's Achilles heel?. <i>Journal of Leukocyte Biology</i> , 2012, 92, 913-915.  | 1.5 | 2         |
| 35 | Compositional verification of real-time systems using Ecdar. <i>International Journal on Software Tools for Technology Transfer</i> , 2012, 14, 703-720.  | 1.7 | 17        |
| 36 | Endogenous viral antigen processing generates peptide-specific MHC class I cell-surface clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15407-15412.          | 3.3 | 65        |

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|----|---|------|-----------|
| 37 | An evaluation framework for energy aware buildings using statistical model checking. Science China Information Sciences, 2012, 55, 2694-2707.   | 2.7  | 39        |
| 38 | CysteinyI-tRNA Deacylation Can Be Uncoupled from Protein Synthesis. PLoS ONE, 2012, 7, e33072.  | 1.1  | 3         |
| 39 | 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        |
| 40 | BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells. Blood, 2011, 118, 609-617.  | 0.6  | 30        |
| 41 | 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        |
| 42 | Developing UPPAAL over 15 years. Software - Practice and Experience, 2011, 41, 133-142.   | 2.5  | 63        |
| 43 | 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        |
| 44 | RNA Binding Targets Aminoacyl-tRNA Synthetases to Translating Ribosomes. Journal of Biological Chemistry, 2011, 286, 20688-20700.   | 1.6  | 71        |
| 45 | 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       |
| 46 | Scenario-based verification of real-time systems using Uppaal. Formal Methods in System Design, 2010, 37, 200-264.  | 0.9  | 17        |
| 47 | Unexpected Role for the Immunoproteasome Subunit LMP2 in Antiviral Humoral and Innate Immune Responses. Journal of Immunology, 2010, 184, 4115-4122.  | 0.4  | 82        |
| 48 | 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        |
| 49 | Innate immune and chemically triggered oxidative stress modifies translational fidelity. Nature, 2009, 462, 522-526.  | 13.7 | 290       |
| 50 | 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        |
| 51 | Model Checking Timed Automata with Priorities Using DBM Subtraction. Lecture Notes in Computer Science, 2006, , 128-142.  | 1.0  | 19        |
| 52 | Efficient On-the-Fly Algorithms for the Analysis of Timed Games. Lecture Notes in Computer Science, 2005, , 66-80.  | 1.0  | 191       |
| 53 | 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       |
| 54 | 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        |

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|----|--|-----|-----------|
| 55 | 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        |