

# Alain Pruvost

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,304  
citations

159585

30  
h-index

223800

46  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3216  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Effect of gut microbiota on depressive-like behaviors in mice is mediated by the endocannabinoid system. <i>Nature Communications</i> , 2020, 11, 6363.  | 12.8 | 193       |
| 2  | Concentrations of Tenofovir and Emtricitabine in Breast Milk of HIV-1-Infected Women in Abidjan, Côte d'Ivoire, in the ANRS 12109 TEmAA Study, Step 2. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1315-1317.   | 3.2  | 118       |
| 3  | Unexpected CD4 cell count decline in patients receiving didanosine and tenofovir-based regimens despite undetectable viral load. <i>Aids</i> , 2004, 18, 459-463.  | 2.2  | 103       |
| 4  | Measurement of Intracellular Didanosine and Tenofovir Phosphorylated Metabolites and Possible Interaction of the Two Drugs in Human Immunodeficiency Virus-Infected Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1907-1914.  | 3.2  | 101       |
| 5  | Improved method for the simultaneous determination of d4T, 3TC and ddI intracellular phosphorylated anabolites in human peripheral-blood mononuclear cells using high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 555-565.                  | 1.5  | 90        |
| 6  | Reducing C-terminal truncation mitigates synucleinopathy and neurodegeneration in a transgenic model of multiple system atrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9593-9598.  | 7.1  | 89        |
| 7  | Orchestration of Tryptophanâ€Kynurenine Pathway, Acute Decompensation, and Acuteâ€œnâ€Chronic Liver Failure in Cirrhosis. <i>Hepatology</i> , 2019, 69, 1686-1701.   | 7.3  | 80        |
| 8  | Pilot Pharmacokinetic Study of Human Immunodeficiency Virus-Infected Patients Receiving Tenofovir Disoproxil Fumarate (TDF): Investigation of Systemic and Intracellular Interactions between TDF and Abacavir, Lamivudine, or Lopinavir-Ritonavir. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1937-1943.  | 3.2  | 68        |
| 9  | Therapeutic Modalities of Squalenoyl Nanocomposites in Colon Cancer: An Ongoing Search for Improved Efficacy. <i>ACS Nano</i> , 2014, 8, 2018-2032.  | 14.6 | 67        |
| 10 | Direct determination of phosphorylated intracellular anabolites of stavudine (d4T) by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1401-1408.  | 1.5  | 66        |
| 11 | Quantification of Small Therapeutic Proteins in Plasma by Liquid Chromatographyâ€Tandem Mass Spectrometry: Application to an Elastase Inhibitor EPI-hNE4. <i>Analytical Chemistry</i> , 2006, 78, 2306-2313.   | 6.5  | 59        |
| 12 | Liquid chromatographyâ€tandem mass spectrometry assays for intracellular deoxyribonucleotide triphosphate competitors of nucleoside antiretrovirals. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 789, 273-281.   | 2.3  | 58        |
| 13 | A strategy for liquid chromatography/tandem mass spectrometric assays of intracellular drugs: application to the validation of the triphosphorylated anabolite of antiretrovirals in peripheral blood mononuclear cells. <i>Journal of Mass Spectrometry</i> , 2003, 38, 879-890.  | 1.6  | 53        |
| 14 | <i>In Vitro</i> Primary Human and Animal Cell-Based Bloodâ€Brain Barrier Models as a Screening Tool in Drug Discovery. <i>Molecular Pharmaceutics</i> , 2011, 8, 651-663.  | 4.6  | 52        |
| 15 | Specificity enhancement with LCâ€positive ESIâ€MS/MS for the measurement of nucleotides: application to the quantitative determination of carbovir triphosphate, lamivudine triphosphate and tenofovir diphosphate in human peripheral blood mononuclear cells. <i>Journal of Mass Spectrometry</i> , 2008, 43, 224-233. | 1.6  | 50        |
| 16 | Evidence and Possible Consequences of the Phosphorylation of Nucleoside Reverse Transcriptase Inhibitors in Human Red Blood Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2105-2111.   | 3.2  | 46        |
| 17 | Combination of Tenofovir and Emtricitabine plus Efavirenz: In Vitro Modulation of ABC Transporter and Intracellular Drug Accumulation. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 896-902.   | 3.2  | 46        |
| 18 | A simple and rapid LC-MS/MS method for therapeutic drug monitoring of cetuximab: a GPCO-UNICANCER proof of concept study in head-and-neck cancer patients. <i>Scientific Reports</i> , 2017, 7, 2714.  | 3.3  | 46        |

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|----|--|-----|-----------|
| 19 | Detection of Simian Immunodeficiency Virus in Semen, Urethra, and Male Reproductive Organs during Efficient Highly Active Antiretroviral Therapy. <i>Journal of Virology</i> , 2015, 89, 5772-5787.  | 3.4 | 45        |
| 20 | Development of a Direct Assay for Measuring Intracellular AZT Triphosphate in Humans Peripheral Blood Mononuclear Cells. <i>Analytical Chemistry</i> , 2002, 74, 4220-4227.  | 6.5 | 44        |
| 21 | Development and validation of a liquid chromatographic/tandem mass spectrometric assay for the quantitation of nucleoside HIV reverse transcriptase inhibitors in biological matrices. <i>Journal of Mass Spectrometry</i> , 2005, 40, 9-18.                                       | 1.6 | 43        |
| 22 | CYTOCHROME P450-MEDIATED OXIDATION OF GLUCURONIDE DERIVATIVES: EXAMPLE OF ESTRADIOL-17 $\beta$ -GLUCURONIDE OXIDATION TO 2-HYDROXY-ESTRADIOL-17 $\beta$ -GLUCURONIDE BY CYP 2C8. <i>Drug Metabolism and Disposition</i> , 2005, 33, 466-473.                                       | 3.3 | 43        |
| 23 | Proof-of-Concept Study of Drug Brain Permeability Between in Vivo Human Brain and an in Vitro iPSCs-Human Blood-Brain Barrier Model. <i>Scientific Reports</i> , 2019, 9, 16310.   | 3.3 | 42        |
| 24 | High Levels of Zidovudine (AZT) and Its Intracellular Phosphate Metabolites in AZT- and AZT-Lamivudine-Treated Newborns of Human Immunodeficiency Virus-Infected Mothers. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2555-2563.                                      | 3.2 | 40        |
| 25 | Plasma and Intracellular Tenofovir Pharmacokinetics in the Neonate (ANRS 12109 Trial, Step 2). <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2961-2967.   | 3.2 | 38        |
| 26 | Pre-clinical development of a combination microbicide vaginal ring containing dapivirine and darunavir. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2477-2488.  | 3.0 | 37        |
| 27 | Peripheral blood mononuclear cell counting using a DNA-detection-based method. <i>Analytical Biochemistry</i> , 2004, 330, 172-174.  | 2.4 | 36        |
| 28 | Emtricitabine: Inhibitor and substrate of multidrug resistance associated protein. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 35, 247-256.   | 4.0 | 36        |
| 29 | Direct analysis of valsartan or candesartan in human plasma and urines by on-line solid phase extraction coupled to electrospray tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 919-926.   | 2.3 | 36        |
| 30 | Visualization of ribonucleotide reductase catalytic oxidation establishes thioredoxins as its major reductants in yeast. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1008-1016.   | 2.9 | 31        |
| 31 | The anti-caspase inhibitor Q-VD-OPH prevents AIDS disease progression in SIV-infected rhesus macaques. <i>Journal of Clinical Investigation</i> , 2018, 128, 1627-1640.  | 8.2 | 29        |
| 32 | Relationship between HIV/Highly Active Antiretroviral Therapy (HAART)â€‘Associated Lipodystrophy Syndrome and Stavudineâ€™Triphosphate Intracellular Levels in Patients with Stavudineâ€™Based Antiretroviral Regimens. <i>Clinical Infectious Diseases</i> , 2010, 50, 1033-1040. | 5.8 | 28        |
| 33 | Ontogenesis of CYP2C-Dependent Arachidonic Acid Metabolism in the Human Liver: Relationship with Sudden Infant Death Syndrome. <i>Pediatric Research</i> , 2000, 47, 677-683.  | 2.3 | 27        |
| 34 | Intergenerational effects on mouse sperm quality after <i>in utero</i> exposure to acetaminophen and ibuprofen. <i>FASEB Journal</i> , 2019, 33, 339-357.  | 0.5 | 26        |
| 35 | Development and validation of an LC/MS/MS assay for mycophenolic acid in human peripheral blood mononuclear cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 168-174.   | 2.3 | 25        |
| 36 | Methotrexate and BAFF interaction prevents immunization against TNF inhibitors. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1463-1470.   | 0.9 | 25        |

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|----|---|-----|-----------|
| 37 | Interferon- $\alpha$ 2-1b in Association with Stavudine Has No Impact on Plasma Human Immunodeficiency Virus (HIV) Type 1 Level in Patients Coinfected with HIV and Hepatitis C Virus: A CORIST-ANRS HC1 Trial. <i>Clinical Infectious Diseases</i> , 2003, 36, 1295-1304.        | 5.8 | 24        |
| 38 | A fluorine scan of a tubulin polymerization inhibitor isocombretastatin A-4: Design, synthesis, molecular modelling, and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 473-490.  | 5.5 | 24        |
| 39 | Dodecyl creatine ester-loaded nanoemulsion as a promising therapy for creatine transporter deficiency. <i>Nanomedicine</i> , 2019, 14, 1579-1593.   | 3.3 | 22        |
| 40 | Microenvironment tailors nTreg structure and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6298-6307.   | 7.1 | 22        |
| 41 | Very High Concentrations of Active Intracellular Phosphorylated Emtricitabine in Neonates (ANRS Tj ETQq1 1 0.784314 rgBT <sub>21</sub> /Overload)   | 3.2 | 21        |
| 42 | In utero exposure to acetaminophen and ibuprofen leads to intergenerational accelerated reproductive aging in female mice. <i>Communications Biology</i> , 2019, 2, 310.  | 4.4 | 18        |
| 43 | Biological monitoring of occupational exposure to di(2-ethylhexyl) phthalate: survey of workers exposed to plastisols. <i>International Archives of Occupational and Environmental Health</i> , 2008, 81, 959-966.  | 2.3 | 15        |
| 44 | Fully automated determination of eserine-N-oxide in human plasma using on-line solid-phase extraction with liquid chromatography coupled with electrospray ionization tandem mass spectrometry. , 2000, 35, 625-633.  |     | 14        |
| 45 | Azetidinimines as a novel series of non-covalent broad-spectrum inhibitors of $\beta$ -lactamases with submicromolar activities against carbapenemases KPC-2 (class A), NDM-1 (class B) and OXA-48 (class D). <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113418. | 5.5 | 14        |
| 46 | The Folate Cycle Enzyme MTHFR Is a Critical Regulator of Cell Response to MYC-Targeting Therapies. <i>Cancer Discovery</i> , 2020, 10, 1894-1911.   | 9.4 | 13        |
| 47 | Characterization of immunoreactive acetyl-Ser-Asp-Lys-Pro in human plasma and urine by liquid chromatography-electrospray mass spectrometry. <i>Biomedical Applications</i> , 2001, 752, 69-75.   | 1.7 | 12        |
| 48 | Association of Thymidylate Synthase Gene Polymorphisms with Stavudine Triphosphate Intracellular Levels and Lipodystrophy. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1428-1435.  | 3.2 | 12        |
| 49 | Detection of urinary modified nucleosides by a bulk acoustic wave MIP sensor - Results and future work. <i>Irbm</i> , 2014, 35, 66-71.  | 5.6 | 10        |
| 50 | Use of the stable isotopes technique to evaluate the bioavailability of a pharmaceutical form of magnesium in man. <i>Pharmaceutical Research</i> , 1998, 15, 347-351.  | 3.5 | 9         |
| 51 | Development and in vivo assessment of a transdermal system for physostigmine. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , 1998, 20, 489.  | 0.8 | 8         |
| 52 | Activity of Bisnaphthalimidopropyl Derivatives against <i>Trypanosoma brucei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2532-2536.  | 3.2 | 7         |
| 53 | Sensitive and specific LC-ESI-MS/MS method for the determination of a styrylquinoline, BA011FZ041, a potent HIV anti-integrase agent, in rat plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 259-266.        | 2.3 | 6         |
| 54 | Polymorphisms of Pyrimidine Pathway Enzymes Encoding Genes and HLA-B*40:01 Carriage in Stavudine-Associated Lipodystrophy in HIV-Infected Patients. <i>PLoS ONE</i> , 2013, 8, e67035.  | 2.5 | 6         |

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|----|--|-----|-----------|
| 55 | An optimal LC-MS/MS method for determination of azithromycin in white blood cells: application to pediatric samples. <i>Bioanalysis</i> , 2014, 6, 2317-2328.  | 1.5 | 6         |
| 56 | Is Stavudine Triphosphate a Natural Metabolite of Zidovudine?. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2899-2901.   | 3.2 | 5         |
| 57 | A limited sampling strategy based on maximum a posteriori Bayesian estimation for a five-probe phenotyping cocktail. <i>European Journal of Clinical Pharmacology</i> , 2016, 72, 39-51.   | 1.9 | 5         |
| 58 | Cucurbit[5]uril derivatives as oxygen carriers. <i>Supramolecular Chemistry</i> , 2019, 31, 668-675.   | 1.2 | 5         |
| 59 | In the mouse, prostaglandin D2 signalling protects the endometrium against adenomyosis. <i>Molecular Human Reproduction</i> , 2021, 27, .  | 2.8 | 5         |
| 60 | Research Spotlight: Drug bioanalysis and biomarker discovery at the Commissariat à l'énergie atomique et aux énergies alternatives. <i>Bioanalysis</i> , 2010, 2, 713-717.   | 1.5 | 1         |
| 61 | Evaluation of a six-probe cocktail (caffeine, tolbutamide, omeprazole, dextromethorphan, midazolam,) after a single oral dosing in healthy Chinese volunteers. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022, 395, 815-826. | 3.0 | 1         |
| 62 | Circadian and chemotherapy-related changes in urinary modified nucleosides excretion in patients with metastatic colorectal cancer. <i>Scientific Reports</i> , 2021, 11, 24015.   | 3.3 | 1         |
| 63 | Fate of etiproston, a synthetic analogue of PGF <sub>2</sub> , in cows. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1994, 17, 339-344.  | 1.3 | 0         |
| 64 | Virological efficacy of 24-week fozivudine-based regimen in ART-naive patients from Tanzania and Côte d'Ivoire. <i>Aids</i> , 2017, 31, 501-509.   | 2.2 | 0         |