

# Bruce E Torbett

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9572561/bruce-e-torbett-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87  
papers

2,377  
citations

27  
h-index

47  
g-index

96  
ext. papers

2,770  
ext. citations

5.9  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
87	A copper(I)-catalyzed 1,2,3-triazole azide-alkyne click compound is a potent inhibitor of a multidrug-resistant HIV-1 protease variant. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 6263-70	8.3	193
86	Virtual screening for HIV protease inhibitors: a comparison of AutoDock 4 and Vina. <i>PLoS ONE</i> , <b>2010</b> , 5, e11955	3.7	146
85	The class I HLA repertoire of pancreatic islets comprises the nonclassical class Ib antigen HLA-G. <i>Diabetes</i> , <b>2006</b> , 55, 1214-22	0.9	120
84	Mystery solved: VSV-G-LVs do not allow efficient gene transfer into unstimulated T cells, B cells, and HSCs because they lack the LDL receptor. <i>Blood</i> , <b>2014</b> , 123, 1422-4	2.2	109
83	CCR5 Disruption in Induced Pluripotent Stem Cells Using CRISPR/Cas9 Provides Selective Resistance of Immune Cells to CCR5-tropic HIV-1 Virus. <i>Molecular Therapy - Nucleic Acids</i> , <b>2015</b> , 4, e268	10.7	94
82	Zinc-finger nuclease editing of human cxcr4 promotes HIV-1 CD4(+) T cell resistance and enrichment. <i>Molecular Therapy</i> , <b>2012</b> , 20, 849-59	11.7	89
81	C/EBPalpha binds and activates the PU.1 distal enhancer to induce monocyte lineage commitment. <i>Blood</i> , <b>2007</b> , 110, 3136-42	2.2	87
80	The transcription factor encyclopedia. <i>Genome Biology</i> , <b>2012</b> , 13, R24	18.3	86
79	Conformational flexibility in the flap domains of ligand-free HIV protease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2007</b> , 63, 866-75		76
78	Heterodimerization controls localization of Duox-DuoxA NADPH oxidases in airway cells. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 1238-47	5.3	70
77	Developmental regulation of TREM2 and DAP12 expression in the murine CNS: implications for Nasu-Hakola disease. <i>Neurochemical Research</i> , <b>2009</b> , 34, 38-45	4.6	70
76	Rapamycin relieves lentiviral vector transduction resistance in human and mouse hematopoietic stem cells. <i>Blood</i> , <b>2014</b> , 124, 913-23	2.2	68
75	Accessory mutations maintain stability in drug-resistant HIV-1 protease. <i>Journal of Molecular Biology</i> , <b>2011</b> , 410, 756-60	6.5	48
74	Nucleocapsid Protein: A Desirable Target for Future Therapies Against HIV-1. <i>Current Topics in Microbiology and Immunology</i> , <b>2015</b> , 389, 53-92	3.3	47
73	Prostaglandin E Increases Lentiviral Vector Transduction Efficiency of Adult Human Hematopoietic Stem and Progenitor Cells. <i>Molecular Therapy</i> , <b>2018</b> , 26, 320-328	11.7	47
72	Identification of HIV-1 inhibitors targeting the nucleocapsid protein. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 4968-77	8.3	46
71	Activated tumor cell integrin $\alpha 5 \beta 1$ cooperates with platelets to promote extravasation and metastasis from the blood stream. <i>Thrombosis Research</i> , <b>2016</b> , 140 Suppl 1, S27-36	8.2	42

70	mTOR inhibitors lower an intrinsic barrier to virus infection mediated by IFITM3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E10069-E10078	11.5	41
69	The death-associated protein kinase 2 is up-regulated during normal myeloid differentiation and enhances neutrophil maturation in myeloid leukemic cells. <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 81, 1599-608	6.5	39
68	ASGCT and JSCT Joint Position Statement on Human Genomic Editing. <i>Molecular Therapy</i> , <b>2015</b> , 23, 1282-1291	11.7	38
67	PU.1 is linking the glycolytic enzyme HK3 in neutrophil differentiation and survival of APL cells. <i>Blood</i> , <b>2012</b> , 119, 4963-70	2.2	38
66	The proteome of mouse brain microvessel membranes and basal lamina. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 2267-81	7.3	37
65	Low Autophagy (ATG) Gene Expression Is Associated with an Immature AML Blast Cell Phenotype and Can Be Restored during AML Differentiation Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 1482795	6.7	34
64	Inference of Epistatic Effects Leading to Entrenchment and Drug Resistance in HIV-1 Protease. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 1291-1306	8.3	32
63	Advances in targeting nucleocapsid-nucleic acid interactions in HIV-1 therapy. <i>Virus Research</i> , <b>2014</b> , 193, 135-43	6.4	29
62	HIC1 tumour suppressor gene is suppressed in acute myeloid leukaemia and induced during granulocytic differentiation. <i>British Journal of Haematology</i> , <b>2008</b> , 141, 179-87	4.5	29
61	Deep sequencing of protease inhibitor resistant HIV patient isolates reveals patterns of correlated mutations in Gag and protease. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004249	5	27
60	Small molecule regulation of protein conformation by binding in the Flap of HIV protease. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1223-31	4.9	27
59	CLEC5A (MDL-1) is a novel PU.1 transcriptional target during myeloid differentiation. <i>Molecular Immunology</i> , <b>2011</b> , 48, 714-9	4.3	27
58	Contribution of T-cell receptor repertoire breadth to the dominance of epitope-specific CD8+ T-lymphocyte responses. <i>Journal of Virology</i> , <b>2006</b> , 80, 12032-40	6.6	27
57	Inhibition of GATE-16 attenuates ATRA-induced neutrophil differentiation of APL cells and interferes with autophagosome formation. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 438, 283-8	3.4	24
56	Switching-on survival and repair response programs in islet transplants by bone marrow-derived vasculogenic cells. <i>Diabetes</i> , <b>2008</b> , 57, 2402-12	0.9	22
55	Structural insights into the mechanisms of drug resistance in HIV-1 protease NL4-3. <i>Journal of Molecular Biology</i> , <b>2006</b> , 356, 967-81	6.5	22
54	Interactome analysis of the lymphocytic choriomeningitis virus nucleoprotein in infected cells reveals ATPase Na <sup>+</sup> /K <sup>+</sup> transporting subunit Alpha 1 and prohibitin as host-cell factors involved in the life cycle of mammarenaviruses. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006892	7.6	22
53	The RNA binding proteins RBM38 and DND1 are repressed in AML and have a novel function in APL differentiation. <i>Leukemia Research</i> , <b>2016</b> , 41, 96-102	2.7	21

52	CEBPA-dependent HK3 and KLF5 expression in primary AML and during AML differentiation. <i>Scientific Reports</i> , <b>2014</b> , 4, 4261	4.9	21
51	Crystal structure of an FIV/HIV chimeric protease complexed with the broad-based inhibitor, TL-3. <i>Retrovirology</i> , <b>2007</b> , 4, 1	3.6	21
50	Human DMTF1 antagonizes DMTF1 regulation of the p14(ARF) tumor suppressor and promotes cellular proliferation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2015</b> , 1849, 1198-208	6	20
49	Modulation of drug resistance by artificial transcription factors. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 688-97	6.1	20
48	Sequencing and Structure Probing of Long RNAs Using MarathonRT: A Next-Generation Reverse Transcriptase. <i>Journal of Molecular Biology</i> , <b>2020</b> , 432, 3338-3352	6.5	18
47	Rapid deep sequencing of patient-derived HIV with ion semiconductor technology. <i>Journal of Virological Methods</i> , <b>2013</b> , 189, 232-4	2.6	18
46	Altered gag polyprotein cleavage specificity of feline immunodeficiency virus/human immunodeficiency virus mutant proteases as demonstrated in a cell-based expression system. <i>Journal of Virology</i> , <b>2006</b> , 80, 7832-43	6.6	18
45	Identification of broad-based HIV-1 protease inhibitors from combinatorial libraries. <i>Biochemical Journal</i> , <b>2010</b> , 429, 527-32	3.8	17
44	PU.1 supports TRAIL-induced cell death by inhibiting NF- $\kappa$ B-mediated cell survival and inducing DR5 expression. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 866-877	12.7	16
43	Resveratrol trimer enhances gene delivery to hematopoietic stem cells by reducing antiviral restriction at endosomes. <i>Blood</i> , <b>2019</b> , 134, 1298-1311	2.2	16
42	Heat shock protein 90AB1 and hyperthermia rescue infectivity of HIV with defective cores. <i>Virology</i> , <b>2013</b> , 436, 162-72	3.6	15
41	CoVaMa: Co-Variation Mapper for disequilibrium analysis of mutant loci in viral populations using next-generation sequence data. <i>Methods</i> , <b>2015</b> , 91, 40-47	4.6	14
40	Induction of the autophagy-associated gene MAP1S via PU.1 supports APL differentiation. <i>Leukemia Research</i> , <b>2014</b> , 38, 1041-7	2.7	14
39	The tumor suppressor gene DAPK2 is induced by the myeloid transcription factors PU.1 and C/EBP $\beta$ during granulocytic differentiation but repressed by PML-RAR in APL. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 95, 83-93	6.5	14
38	Transcriptional regulation of MIR29B by PU.1 (SPI1) and MYC during neutrophil differentiation of acute promyelocytic leukaemia cells. <i>British Journal of Haematology</i> , <b>2012</b> , 157, 270-4	4.5	13
37	Understanding the rules of the road: proteomic approaches to interrogate the blood brain barrier. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 70	5.1	13
36	A cleavage enzyme-cytometric bead array provides biochemical profiling of resistance mutations in HIV-1 Gag and protease. <i>Biochemistry</i> , <b>2011</b> , 50, 4371-81	3.2	12
35	Improved health and survival of FIV-infected cats is associated with the presence of autoantibodies to the primary receptor, CD134. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19980-5	11.5	12

34	Structural basis for drug and substrate specificity exhibited by FIV encoding a chimeric FIV/HIV protease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2011</b> , 67, 540-8		9
33	Safety and efficacy of a tCD25 preselective combination anti-HIV lentiviral vector in human hematopoietic stem and progenitor cells. <i>Stem Cells</i> , <b>2015</b> , 33, 870-9	5.8	8
32	Development of Lentiviral Vectors for HIV-1 Gene Therapy with Vif-Resistant APOBEC3G. <i>Molecular Therapy - Nucleic Acids</i> , <b>2019</b> , 18, 1023-1038	10.7	8
31	Low DICER1 expression is associated with attenuated neutrophil differentiation and autophagy of NB4 APL cells. <i>Journal of Leukocyte Biology</i> , <b>2015</b> , 98, 357-63	6.5	8
30	Interactions of HIV-1 Capsid with Host Factors and Their Implications for Developing Novel Therapeutics. <i>Viruses</i> , <b>2021</b> , 13,	6.2	8
29	Mice engrafted with human hematopoietic stem cells support a human myeloid cell inflammatory response in vivo. <i>Wound Repair and Regeneration</i> , <b>2016</b> , 24, 1004-1014	3.6	8
28	Combined Antiviral Therapy Using Designed Molecular Scaffolds Targeting Two Distinct Viral Functions, HIV-1 Genome Integration and Capsid Assembly. <i>Molecular Therapy - Nucleic Acids</i> , <b>2015</b> , 4, e249	10.7	7
27	BIRC6 (APOLLON) is down-regulated in acute myeloid leukemia and its knockdown attenuates neutrophil differentiation. <i>Experimental Hematology and Oncology</i> , <b>2012</b> , 1, 25	7.8	7
26	Role of the mammalian target of rapamycin pathway in lentiviral vector transduction of hematopoietic stem cells. <i>Current Opinion in Hematology</i> , <b>2015</b> , 22, 302-8	3.3	6
25	The actin-binding protein CORO1A is a novel PU.1 (SPI1)- and CEBPA-regulated gene with significantly lower expression in APL and CEBPA-mutated AML patients. <i>British Journal of Haematology</i> , <b>2013</b> , 160, 855-9	4.5	5
24	Generation of infectious feline immunodeficiency virus (FIV) encoding FIV/human immunodeficiency virus chimeric protease. <i>Journal of Virology</i> , <b>2010</b> , 84, 6799-809	6.6	5
23	CD46 Null Packaging Cell Line Improves Measles Lentiviral Vector Production and Gene Delivery to Hematopoietic Stem and Progenitor Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2019</b> , 13, 27-39	6.4	5
22	Discrimination between Functional and Non-functional Cellular Gag Complexes involved in HIV-1 Assembly. <i>Journal of Molecular Biology</i> , <b>2021</b> , 433, 166842	6.5	4
21	The Response to Burn Injury in Mice With Human Hematolymphoid Systems. <i>Annals of Surgery</i> , <b>2016</b> , 263, 199-204	7.8	4
20	Linking the SUMO protease SENP5 to neutrophil differentiation of AML cells. <i>Leukemia Research Reports</i> , <b>2015</b> , 4, 32-5	0.6	3
19	A specific protein disorder catalyzer of HIV-1 Nef. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 7401-6	3.4	3
18	A Biochemical/Biophysical Assay Dyad for HTS-Compatible Triaging of Inhibitors of the HIV-1 Nef/Hck SH3 Interaction. <i>Current Chemical Genomics and Translational Medicine</i> , <b>2013</b> , 7, 16-20		3
17	Erythropoiesis: an overview <b>2009</b> , 3-18		2

16	MrHAMER yields highly accurate single molecule viral sequences enabling analysis of intra-host evolution. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, e70	20.1	2
15	4. EDeliverin: A Small Molecule for Improving Gene Transfer to Hematopoietic Stem Cells and Probing Mechanisms of Lentiviral Vector Restriction. <i>Molecular Therapy</i> , <b>2016</b> , 24, S2-S3	11.7	2
14	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions.. <i>Cell Death and Disease</i> , <b>2022</b> , 13, 448	9.8	2
13	Inference of epistatic effects leading to entrenchment and drug resistance in HIV-1 protease		1
12	MrHAMER yields highly accurate single molecule viral sequences enabling analysis of intra-host evolution		1
11	An optimized measles virus glycoprotein-pseudotyped lentiviral vector production system to promote efficient transduction of human primary B cells.. <i>STAR Protocols</i> , <b>2022</b> , 3, 101228	1.4	0
10	CD34+ Cell Derived Macrophages Are Protected from HIV-1 Challenge by Intrabody-Mediated Reduction of CCR5.. <i>Blood</i> , <b>2004</b> , 104, 1756-1756	2.2	
9	Development of a Unique siRNA and Intrabody Combinatorial HIV-1 Vector to Knockdown CXCR4 and Protect Cells from HIV-1 Challenge.. <i>Blood</i> , <b>2004</b> , 104, 1757-1757	2.2	
8	Lentiviral CCR5 Intrabody Gene Delivery Provides Protection and Enrichment during CCR5-Tropic Infection.. <i>Blood</i> , <b>2004</b> , 104, 1755-1755	2.2	
7	Enhancing Neutrophil Differentiation - A Novel Role for the Death-Associated Protein Kinase 2 (DAPK2).. <i>Blood</i> , <b>2005</b> , 106, 1348-1348	2.2	
6	Identification of PU.1 Target Genes That Are Dependent on Specific Functional Domains of the Transcription Factor PU.1.. <i>Blood</i> , <b>2006</b> , 108, 1174-1174	2.2	
5	Primary human immune response to dendritic cell inoculation in humanized mice. <i>FASEB Journal</i> , <b>2008</b> , 22, 422-422	0.9	
4	A Novel PU.1 - Caspase 8/cFLIP Axis in Neutrophil and Macrophage Differentiation of AML Cells. <i>Blood</i> , <b>2018</b> , 132, 1347-1347	2.2	
3	Hexokinase Proteins Impart Distinct Functions in Myeloid Development and Cell Death. <i>Blood</i> , <b>2018</b> , 132, 5088-5088	2.2	
2	The Anti-Apoptotic Gene BCL2A1 Is Transcriptionally Regulated by PU.1. <i>Blood</i> , <b>2008</b> , 112, 3579-3579	2.2	
1	TREM-2, an innate immune receptor, is dependent on C/EBPalpha and PU.1 transcription factors during the differentiation of hematopoietic stem cells to macrophages. <i>FASEB Journal</i> , <b>2010</b> , 24, 833.19 <sup>0.9</sup>		