

Bruce E Torbett

List of Publications by Year in Descending Order

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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	An optimized measles virus glycoprotein-pseudotyped lentiviral vector production system to promote efficient transduction of human primary B cells.. <i>STAR Protocols</i> , 2022 , 3, 101228	1.4	0
86	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions.. <i>Cell Death and Disease</i> , 2022 , 13, 448	9.8	2
85	Interactions of HIV-1 Capsid with Host Factors and Their Implications for Developing Novel Therapeutics. <i>Viruses</i> , 2021 , 13,	6.2	8
84	Discrimination between Functional and Non-functional Cellular Gag Complexes involved in HIV-1 Assembly. <i>Journal of Molecular Biology</i> , 2021 , 433, 166842	6.5	4
83	MrHAMER yields highly accurate single molecule viral sequences enabling analysis of intra-host evolution. <i>Nucleic Acids Research</i> , 2021 , 49, e70	20.1	2
82	Sequencing and Structure Probing of Long RNAs Using MarathonRT: A Next-Generation Reverse Transcriptase. <i>Journal of Molecular Biology</i> , 2020 , 432, 3338-3352	6.5	18
81	Resveratrol trimer enhances gene delivery to hematopoietic stem cells by reducing antiviral restriction at endosomes. <i>Blood</i> , 2019 , 134, 1298-1311	2.2	16
80	Development of Lentiviral Vectors for HIV-1 Gene Therapy with Vif-Resistant APOBEC3G. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 18, 1023-1038	10.7	8
79	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> , 2019 , 13, 27-39	6.4	5
78	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> , 2018 , 2018, 1482795	6.7	34
77	Interactome analysis of the lymphocytic choriomeningitis virus nucleoprotein in infected cells reveals ATPase Na ⁺ /K ⁺ transporting subunit Alpha 1 and prohibitin as host-cell factors involved in the life cycle of mammarenaviruses. <i>PLoS Pathogens</i> , 2018 , 14, e1006892	7.6	22
76	A Novel PU.1 - Caspase 8/cFLIP Axis in Neutrophil and Macrophage Differentiation of AML Cells. <i>Blood</i> , 2018 , 132, 1347-1347	2.2	
75	Hexokinase Proteins Impart Distinct Functions in Myeloid Development and Cell Death. <i>Blood</i> , 2018 , 132, 5088-5088	2.2	
74	Prostaglandin E Increases Lentiviral Vector Transduction Efficiency of Adult Human Hematopoietic Stem and Progenitor Cells. <i>Molecular Therapy</i> , 2018 , 26, 320-328	11.7	47
73	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> , 2018 , 115, E10069-E10078	11.5	41
72	Inference of Epistatic Effects Leading to Entrenchment and Drug Resistance in HIV-1 Protease. <i>Molecular Biology and Evolution</i> , 2017 , 34, 1291-1306	8.3	32
71	PU.1 supports TRAIL-induced cell death by inhibiting NF- κ B-mediated cell survival and inducing DR5 expression. <i>Cell Death and Differentiation</i> , 2017 , 24, 866-877	12.7	16

70	Activated tumor cell integrin $\alpha 3$ cooperates with platelets to promote extravasation and metastasis from the blood stream. <i>Thrombosis Research</i> , 2016 , 140 Suppl 1, S27-36	8.2	42
69	The RNA binding proteins RBM38 and DND1 are repressed in AML and have a novel function in APL differentiation. <i>Leukemia Research</i> , 2016 , 41, 96-102	2.7	21
68	The Response to Burn Injury in Mice With Human Hematolymphoid Systems. <i>Annals of Surgery</i> , 2016 , 263, 199-204	7.8	4
67	4. β Deliverin: A Small Molecule for Improving Gene Transfer to Hematopoietic Stem Cells and Probing Mechanisms of Lentiviral Vector Restriction. <i>Molecular Therapy</i> , 2016 , 24, S2-S3	11.7	2
66	Mice engrafted with human hematopoietic stem cells support a human myeloid cell inflammatory response in vivo. <i>Wound Repair and Regeneration</i> , 2016 , 24, 1004-1014	3.6	8
65	Nucleocapsid Protein: A Desirable Target for Future Therapies Against HIV-1. <i>Current Topics in Microbiology and Immunology</i> , 2015 , 389, 53-92	3.3	47
64	Deep sequencing of protease inhibitor resistant HIV patient isolates reveals patterns of correlated mutations in Gag and protease. <i>PLoS Computational Biology</i> , 2015 , 11, e1004249	5	27
63	CoVaMa: Co-Variation Mapper for disequilibrium analysis of mutant loci in viral populations using next-generation sequence data. <i>Methods</i> , 2015 , 91, 40-47	4.6	14
62	Human DMTF1 antagonizes DMTF1 regulation of the p14(ARF) tumor suppressor and promotes cellular proliferation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015 , 1849, 1198-208	6	20
61	ASGCT and JSGT Joint Position Statement on Human Genomic Editing. <i>Molecular Therapy</i> , 2015 , 23, 1282-1287	11.7	38
60	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> , 2015 , 4, e249	10.7	7
59	Linking the SUMO protease SENP5 to neutrophil differentiation of AML cells. <i>Leukemia Research Reports</i> , 2015 , 4, 32-5	0.6	3
58	Safety and efficacy of a tCD25 preselective combination anti-HIV lentiviral vector in human hematopoietic stem and progenitor cells. <i>Stem Cells</i> , 2015 , 33, 870-9	5.8	8
57	Understanding the rules of the road: proteomic approaches to interrogate the blood brain barrier. <i>Frontiers in Neuroscience</i> , 2015 , 9, 70	5.1	13
56	Role of the mammalian target of rapamycin pathway in lentiviral vector transduction of hematopoietic stem cells. <i>Current Opinion in Hematology</i> , 2015 , 22, 302-8	3.3	6
55	Low DICER1 expression is associated with attenuated neutrophil differentiation and autophagy of NB4 APL cells. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 357-63	6.5	8
54	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> , 2015 , 4, e268	10.7	94
53	Induction of the autophagy-associated gene MAP1S via PU.1 supports APL differentiation. <i>Leukemia Research</i> , 2014 , 38, 1041-7	2.7	14

52	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> , 2014 , 123, 1422-4	2.2	109
51	Rapamycin relieves lentiviral vector transduction resistance in human and mouse hematopoietic stem cells. <i>Blood</i> , 2014 , 124, 913-23	2.2	68
50	CEBPA-dependent HK3 and KLF5 expression in primary AML and during AML differentiation. <i>Scientific Reports</i> , 2014 , 4, 4261	4.9	21
49	Advances in targeting nucleocapsid-nucleic acid interactions in HIV-1 therapy. <i>Virus Research</i> , 2014 , 193, 135-43	6.4	29
48	The tumor suppressor gene DAPK2 is induced by the myeloid transcription factors PU.1 and C/EBP β during granulocytic differentiation but repressed by PML-RAR α in APL. <i>Journal of Leukocyte Biology</i> , 2014 , 95, 83-93	6.5	14
47	Heat shock protein 90AB1 and hyperthermia rescue infectivity of HIV with defective cores. <i>Virology</i> , 2013 , 436, 162-72	3.6	15
46	Inhibition of GATE-16 attenuates ATRA-induced neutrophil differentiation of APL cells and interferes with autophagosome formation. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 438, 283-8	3.4	24
45	Rapid deep sequencing of patient-derived HIV with ion semiconductor technology. <i>Journal of Virological Methods</i> , 2013 , 189, 232-4	2.6	18
44	Small molecule regulation of protein conformation by binding in the Flap of HIV protease. <i>ACS Chemical Biology</i> , 2013 , 8, 1223-31	4.9	27
43	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> , 2013 , 160, 855-9	4.5	5
42	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> , 2013 , 7, 16-20		3
41	Transcriptional regulation of MIR29B by PU.1 (SPI1) and MYC during neutrophil differentiation of acute promyelocytic leukaemia cells. <i>British Journal of Haematology</i> , 2012 , 157, 270-4	4.5	13
40	PU.1 is linking the glycolytic enzyme HK3 in neutrophil differentiation and survival of APL cells. <i>Blood</i> , 2012 , 119, 4963-70	2.2	38
39	The transcription factor encyclopedia. <i>Genome Biology</i> , 2012 , 13, R24	18.3	86
38	Identification of HIV-1 inhibitors targeting the nucleocapsid protein. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 4968-77	8.3	46
37	Zinc-finger nuclease editing of human cxcr4 promotes HIV-1 CD4(+) T cell resistance and enrichment. <i>Molecular Therapy</i> , 2012 , 20, 849-59	11.7	89
36	BIRC6 (APOLLON) is down-regulated in acute myeloid leukemia and its knockdown attenuates neutrophil differentiation. <i>Experimental Hematology and Oncology</i> , 2012 , 1, 25	7.8	7
35	Accessory mutations maintain stability in drug-resistant HIV-1 protease. <i>Journal of Molecular Biology</i> , 2011 , 410, 756-60	6.5	48

34	CLEC5A (MDL-1) is a novel PU.1 transcriptional target during myeloid differentiation. <i>Molecular Immunology</i> , 2011 , 48, 714-9	4.3	27
33	A specific protein disorder catalyzer of HIV-1 Nef. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 7401-6	3.4	3
32	Structural basis for drug and substrate specificity exhibited by FIV encoding a chimeric FIV/HIV protease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011 , 67, 540-8		9
31	A cleavage enzyme-cytometric bead array provides biochemical profiling of resistance mutations in HIV-1 Gag and protease. <i>Biochemistry</i> , 2011 , 50, 4371-81	3.2	12
30	The proteome of mouse brain microvessel membranes and basal lamina. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 2267-81	7.3	37
29	Generation of infectious feline immunodeficiency virus (FIV) encoding FIV/human immunodeficiency virus chimeric protease. <i>Journal of Virology</i> , 2010 , 84, 6799-809	6.6	5
28	Identification of broad-based HIV-1 protease inhibitors from combinatorial libraries. <i>Biochemical Journal</i> , 2010 , 429, 527-32	3.8	17
27	Virtual screening for HIV protease inhibitors: a comparison of AutoDock 4 and Vina. <i>PLoS ONE</i> , 2010 , 5, e11955	3.7	146
26	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> , 2010 , 24, 833.19 ^{0.9}		
25	Heterodimerization controls localization of Duox-DuoxA NADPH oxidases in airway cells. <i>Journal of Cell Science</i> , 2009 , 122, 1238-47	5.3	70
24	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> , 2009 , 106, 19980-5	11.5	12
23	Developmental regulation of TREM2 and DAP12 expression in the murine CNS: implications for Nasu-Hakola disease. <i>Neurochemical Research</i> , 2009 , 34, 38-45	4.6	70
22	Erythropoiesis: an overview 2009 , 3-18		2
21	HIC1 tumour suppressor gene is suppressed in acute myeloid leukaemia and induced during granulocytic differentiation. <i>British Journal of Haematology</i> , 2008 , 141, 179-87	4.5	29
20	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> , 2008 , 51, 6263-70	8.3	193
19	Modulation of drug resistance by artificial transcription factors. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 688-97	6.1	20
18	Switching-on survival and repair response programs in islet transplants by bone marrow-derived vasculogenic cells. <i>Diabetes</i> , 2008 , 57, 2402-12	0.9	22
17	Primary human immune response to dendritic cell inoculation in humanized mice. <i>FASEB Journal</i> , 2008 , 22, 422-422	0.9	

16	The Anti-Apoptotic Gene BCL2A1 Is Transcriptionally Regulated by PU.1. <i>Blood</i> , 2008 , 112, 3579-3579	2.2	
15	Crystal structure of an FIV/HIV chimeric protease complexed with the broad-based inhibitor, TL-3. <i>Retrovirology</i> , 2007 , 4, 1	3.6	21
14	Conformational flexibility in the flap domains of ligand-free HIV protease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007 , 63, 866-75		76
13	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> , 2007 , 81, 1599-608	6.5	39
12	C/EBPalpha binds and activates the PU.1 distal enhancer to induce monocyte lineage commitment. <i>Blood</i> , 2007 , 110, 3136-42	2.2	87
11	The class I HLA repertoire of pancreatic islets comprises the nonclassical class Ib antigen HLA-G. <i>Diabetes</i> , 2006 , 55, 1214-22	0.9	120
10	Contribution of T-cell receptor repertoire breadth to the dominance of epitope-specific CD8+ T-lymphocyte responses. <i>Journal of Virology</i> , 2006 , 80, 12032-40	6.6	27
9	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> , 2006 , 80, 7832-43	6.6	18
8	Structural insights into the mechanisms of drug resistance in HIV-1 protease NL4-3. <i>Journal of Molecular Biology</i> , 2006 , 356, 967-81	6.5	22
7	Identification of PU.1 Target Genes That Are Dependent on Specific Functional Domains of the Transcription Factor PU.1.. <i>Blood</i> , 2006 , 108, 1174-1174	2.2	
6	Enhancing Neutrophil Differentiation - A Novel Role for the Death-Associated Protein Kinase 2 (DAPK2).. <i>Blood</i> , 2005 , 106, 1348-1348	2.2	
5	CD34+ Cell Derived Macrophages Are Protected from HIV-1 Challenge by Intrabody-Mediated Reduction of CCR5.. <i>Blood</i> , 2004 , 104, 1756-1756	2.2	
4	Development of a Unique siRNA and Intrabody Combinatorial HIV-1 Vector to Knockdown CXCR4 and Protect Cells from HIV-1 Challenge.. <i>Blood</i> , 2004 , 104, 1757-1757	2.2	
3	Lentiviral CCR5 Intrabody Gene Delivery Provides Protection and Enrichment during CCR5-Tropic Infection.. <i>Blood</i> , 2004 , 104, 1755-1755	2.2	
2	Inference of epistatic effects leading to entrenchment and drug resistance in HIV-1 protease		1
1	MrHAMER yields highly accurate single molecule viral sequences enabling analysis of intra-host evolution		1