

Bruce E Torbett

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,023
citations

172457

29
h-index

175258

52
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96
all docs

96
docs citations

96
times ranked

5698
citing authors

#	ARTICLE	IF	CITATIONS
1	Covariation of viral recombination with single nucleotide variants during virus evolution revealed by CoVaMa. <i>Nucleic Acids Research</i> , 2022, 50, e41-e41.	14.5	8
2	Engineered Zinc Finger Protein Targeting 2LTR Inhibits HIV Integration in Hematopoietic Stem and Progenitor Cell-Derived Macrophages: In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2331.	4.1	3
3	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.	1.2	3
4	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions. <i>Cell Death and Disease</i> , 2022, 13, 448.	6.3	22
5	Selective ablation of 3' RNA ends and processive RTs facilitate direct cDNA sequencing of full-length host cell and viral transcripts. <i>Nucleic Acids Research</i> , 2022, 50, e98-e98.	14.5	4
6	Interactions of HIV-1 Capsid with Host Factors and Their Implications for Developing Novel Therapeutics. <i>Viruses</i> , 2021, 13, 417.	3.3	22
7	Discrimination between Functional and Non-functional Cellular Gag Complexes involved in HIV-1 Assembly. <i>Journal of Molecular Biology</i> , 2021, 433, 166842.	4.2	8
8	MrHAMER yields highly accurate single molecule viral sequences enabling analysis of intra-host evolution. <i>Nucleic Acids Research</i> , 2021, 49, e70-e70.	14.5	15
9	Cellular Gag-Containing Complexes and HIV Assembly. <i>Biophysical Journal</i> , 2020, 118, 201a.	0.5	0
10	Sequencing and Structure Probing of Long RNAs Using MarathonRT: A Next-Generation Reverse Transcriptase. <i>Journal of Molecular Biology</i> , 2020, 432, 3338-3352.	4.2	46
11	Resveratrol trimer enhances gene delivery to hematopoietic stem cells by reducing antiviral restriction at endosomes. <i>Blood</i> , 2019, 134, 1298-1311.	1.4	27
12	Development of Lentiviral Vectors for HIV-1 Gene Therapy with Vif-Resistant APOBEC3G. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 1023-1038.	5.1	15
13	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.	4.1	10
14	Prostaglandin E2 Increases Lentiviral Vector Transduction Efficiency of Adult Human Hematopoietic Stem and Progenitor Cells. <i>Molecular Therapy</i> , 2018, 26, 320-328.	8.2	63
15	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.	7.1	65
16	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, 1-16.	4.0	45
17	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.	4.7	34
18	A Novel PU.1 - Caspase 8/cFLIP Axis in Neutrophil and Macrophage Differentiation of AML Cells. <i>Blood</i> , 2018, 132, 1347-1347.	1.4	0

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19	Hexokinase Proteins Impart Distinct Functions in Myeloid Development and Cell Death. <i>Blood</i> , 2018, 132, 5088-5088.	1.4	1
20	Inference of Epistatic Effects Leading to Entrenchment and Drug Resistance in HIV-1 Protease. <i>Molecular Biology and Evolution</i> , 2017, 34, 1291-1306.	8.9	51
21	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.	11.2	24
22	The Response to Burn Injury in Mice With Human Hematolymphoid Systems. <i>Annals of Surgery</i> , 2016, 263, 199-204.	4.2	8
23	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.	8.2	2
24	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.	3.0	14
25	Activated tumor cell integrin α v β 3 cooperates with platelets to promote extravasation and metastasis from the blood stream. <i>Thrombosis Research</i> , 2016, 140, S27-S36.	1.7	56
26	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.	0.8	26
27	Understanding the rules of the road: proteomic approaches to interrogate the blood brain barrier. <i>Frontiers in Neuroscience</i> , 2015, 9, 70.	2.8	18
28	Role of the mammalian target of rapamycin pathway in lentiviral vector transduction of hematopoietic stem cells. <i>Current Opinion in Hematology</i> , 2015, 22, 302-308.	2.5	6
29	Low DICER1 expression is associated with attenuated neutrophil differentiation and autophagy of NB4 APL cells. <i>Journal of Leukocyte Biology</i> , 2015, 98, 357-363.	3.3	8
30	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.	5.1	122
31	Nucleocapsid Protein: A Desirable Target for Future Therapies Against HIV-1. <i>Current Topics in Microbiology and Immunology</i> , 2015, 389, 53-92.	1.1	56
32	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.	3.2	38
33	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.	3.8	19
34	Human DMTF1 β antagonizes DMTF1 α regulation of the p14ARF tumor suppressor and promotes cellular proliferation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 1198-1208.	1.9	22
35	ASGCT and JSCT Joint Position Statement on Human Genomic Editing. <i>Molecular Therapy</i> , 2015, 23, 1282.	8.2	47
36	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.	5.1	13

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37	Linking the SUMO protease SENP5 to neutrophil differentiation of AML cells. <i>Leukemia Research Reports</i> , 2015, 4, 32-35.	0.4	3
38	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, 870-879.	3.2	10
39	Advances in targeting nucleocapsid-nucleic acid interactions in HIV-1 therapy. <i>Virus Research</i> , 2014, 193, 135-143.	2.2	33
40	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.	3.3	18
41	Induction of the autophagy-associated gene MAP1S via PU.1 supports APL differentiation. <i>Leukemia Research</i> , 2014, 38, 1041-1047.	0.8	15
42	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, 1422-1424.	1.4	145
43	Rapamycin relieves lentiviral vector transduction resistance in human and mouse hematopoietic stem cells. <i>Blood</i> , 2014, 124, 913-923.	1.4	78
44	CEBPA-dependent HK3 and KLF5 expression in primary AML and during AML differentiation. <i>Scientific Reports</i> , 2014, 4, 4261.	3.3	29
45	Heat shock protein 90AB1 and hyperthermia rescue infectivity of HIV with defective cores. <i>Virology</i> , 2013, 436, 162-172.	2.4	18
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, 283-288.	2.1	26
47	Rapid deep sequencing of patient-derived HIV with ion semiconductor technology. <i>Journal of Virological Methods</i> , 2013, 189, 232-234.	2.1	21
48	Small Molecule Regulation of Protein Conformation by Binding in the Flap of HIV Protease. <i>ACS Chemical Biology</i> , 2013, 8, 1223-1231.	3.4	30
49	The actin-binding protein <i>CORO1A</i> is a novel PU.1 (SPI1)- and CEBPA-regulated gene with significantly lower expression in APL and <i>CEBPA</i> -mutated AML patients. <i>British Journal of Haematology</i> , 2013, 160, 855-859.	2.5	5
50	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.	4.3	3
51	PU.1 is linking the glycolytic enzyme HK3 in neutrophil differentiation and survival of APL cells. <i>Blood</i> , 2012, 119, 4963-4970.	1.4	48
52	The Transcription Factor Encyclopedia. <i>Genome Biology</i> , 2012, 13, R24.	9.6	103
53	Identification of HIV-1 Inhibitors Targeting the Nucleocapsid Protein. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4968-4977.	6.4	53
54	Zinc-finger Nuclease Editing of Human <i>cxcr4</i> Promotes HIV-1 CD4+ T Cell Resistance and Enrichment. <i>Molecular Therapy</i> , 2012, 20, 849-859.	8.2	100

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55	BIRC6 (APOLLON) is down-regulated in acute myeloid leukemia and its knockdown attenuates neutrophil differentiation. <i>Experimental Hematology and Oncology</i> , 2012, 1, 25.	5.0	8
56	Transcriptional regulation of <i>MIR29B</i> by <i>PU.1</i> (<i>SPI1</i>) and <i>MYC</i> during neutrophil differentiation of acute promyelocytic leukaemia cells. <i>British Journal of Haematology</i> , 2012, 157, 270-274.	2.5	15
57	A Cleavage Enzyme-Cytometric Bead Array Provides Biochemical Profiling of Resistance Mutations in HIV-1 Gag and Protease. <i>Biochemistry</i> , 2011, 50, 4371-4381.	2.5	12
58	Accessory Mutations Maintain Stability in Drug-Resistant HIV-1 Protease. <i>Journal of Molecular Biology</i> , 2011, 410, 756-760.	4.2	69
59	CLEC5A (MDL-1) is a novel PU.1 transcriptional target during myeloid differentiation. <i>Molecular Immunology</i> , 2011, 48, 714-719.	2.2	46
60	A specific protein disorder catalyzer of HIV-1 Nef. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7401-7406.	3.0	4
61	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, 540-548.	2.5	9
62	The Proteome of Mouse Brain Microvessel Membranes and Basal Lamina. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2267-2281.	4.3	44
63	Generation of Infectious Feline Immunodeficiency Virus (FIV) Encoding FIV/Human Immunodeficiency Virus Chimeric Protease. <i>Journal of Virology</i> , 2010, 84, 6799-6809.	3.4	6
64	Identification of broad-based HIV-1 protease inhibitors from combinatorial libraries. <i>Biochemical Journal</i> , 2010, 429, 527-532.	3.7	18
65	Virtual Screening for HIV Protease Inhibitors: A Comparison of AutoDock 4 and Vina. <i>PLoS ONE</i> , 2010, 5, e11955.	2.5	176
66	TREM2, 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.	0.5	0
67	Heterodimerization controls localization of Duox-DuoxA NADPH oxidases in airway cells. <i>Journal of Cell Science</i> , 2009, 122, 1238-1247.	2.0	79
68	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, 19980-19985.	7.1	14
69	Developmental Regulation of TREM2 and DAP12 Expression in the Murine CNS: Implications for Nasu-Hakola Disease. <i>Neurochemical Research</i> , 2009, 34, 38-45.	3.3	80
70	Erythropoiesis: an overview. , 2009, , 3-18.		2
71	<i>HIC1</i> tumour suppressor gene is suppressed in acute myeloid leukaemia and induced during granulocytic differentiation. <i>British Journal of Haematology</i> , 2008, 141, 179-187.	2.5	31
72	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, 6263-6270.	6.4	219

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73	Modulation of drug resistance by artificial transcription factors. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 688-697.	4.1	22
74	Switching-On Survival and Repair Response Programs in Islet Transplants by Bone Marrow-Derived Vasculogenic Cells. <i>Diabetes</i> , 2008, 57, 2402-2412.	0.6	25
75	Primary human immune response to dendritic cell inoculation in humanized mice. <i>FASEB Journal</i> , 2008, 22, 422-422.	0.5	0
76	The Anti-Apoptotic Gene BCL2A1 Is Transcriptionally Regulated by PU.1. <i>Blood</i> , 2008, 112, 3579-3579.	1.4	0
77	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, 1599-1608.	3.3	45
78	C/EBP β binds and activates the PU.1 distal enhancer to induce monocyte lineage commitment. <i>Blood</i> , 2007, 110, 3136-3142.	1.4	101
79	Crystal structure of an FIV/HIV chimeric protease complexed with the broad-based inhibitor, TL-3. <i>Retrovirology</i> , 2007, 4, 1.	2.0	26
80	Conformational flexibility in the flap domains of ligand-free HIV protease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 866-875.	2.5	84
81	Structural Insights into the Mechanisms of Drug Resistance in HIV-1 Protease NL4-3. <i>Journal of Molecular Biology</i> , 2006, 356, 967-981.	4.2	22
82	The Class I HLA Repertoire of Pancreatic Islets Comprises the Nonclassical Class Ib Antigen HLA-G. <i>Diabetes</i> , 2006, 55, 1214-1222.	0.6	149
83	Contribution of T-Cell Receptor Repertoire Breadth to the Dominance of Epitope-Specific CD8 + T-Lymphocyte Responses. <i>Journal of Virology</i> , 2006, 80, 12032-12040.	3.4	28
84	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, 7832-7843.	3.4	19
85	760. Overcoming Rhesus Macaque Endogenous Restriction Factors during HIV-1 Vector Transduction. <i>Molecular Therapy</i> , 2006, 13, S294.	8.2	0
86	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.	1.4	2
87	Enhancing Neutrophil Differentiation - A Novel Role for the Death-Associated Protein Kinase 2 (DAPK2). <i>Blood</i> , 2005, 106, 1348-1348.	1.4	0
88	CD34+ Cell Derived Macrophages Are Protected from HIV-1 Challenge by Intrabody-Mediated Reduction of CCR5. <i>Blood</i> , 2004, 104, 1756-1756.	1.4	0
89	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.	1.4	0
90	Lentiviral CCR5 Intrabody Gene Delivery Provides Protection and Enrichment during CCR5-Tropic Infection. <i>Blood</i> , 2004, 104, 1755-1755.	1.4	0