Ian E Alexander

List of Publications by Citations

58 papers	2,565 citations	22 h-index	50 g-index
62 ext. papers	3,174 ext. citations	8.8 avg, IF	5.17 L-index

#	Paper	IF	Citations
58	Gene therapy clinical trials worldwide to 2012 - an update. *Journal of Gene Medicine*, **2013**, 15, 65-77	3.5	582
57	Gene therapy clinical trials worldwide to 2017: An update. *Journal of Gene Medicine*, **2018**, 20, e3015	3.5	433
56	Selection and evaluation of clinically relevant AAV variants in a xenograft liver model. *Nature*, **2014**, 506, 382-6	50.4	279
55	The transcriptional and functional properties of mouse epiblast stem cells resemble the anterior primitive streak. *Cell Stem Cell*, **2014**, 14, 107-20	18	194
54	Gene delivery to the juvenile mouse liver using AAV2/8 vectors. *Molecular Therapy*, **2008**, 16, 1081-8	11.7	123
53	Bioengineered AAV Capsids with Combined High Human Liver Transduction In Vivo and Unique Humoral Seroreactivity. *Molecular Therapy*, **2018**, 26, 289-303	11.7	97
52	AAV2/8-mediated correction of OTC deficiency is robust in adult but not neonatal Spf(ash) mice. *Molecular Therapy*, **2009**, 17, 1340-6	11.7	71
51	Identification of liver-specific enhancer-promoter activity in the 3Tuntranslated region of the wild-type AAV2 genome. *Nature Genetics*, **2017**, 49, 1267-1273	36.3	55
50	Gene therapy for monogenic liver diseases: clinical successes, current challenges and future prospects. *Journal of Inherited Metabolic Disease*, **2017**, 40, 497-517	5.4	54
49	Lymphoid regeneration from gene-corrected SCID-X1 subject-derived iPSCs. *Cell Stem Cell*, **2015**, 16, 367-72	18	53
48	ACE2 Therapy Using Adeno-associated Viral Vector Inhibits Liver Fibrosis in Mice. *Molecular Therapy* , **2015**, 23, 1434-43	11.7	47
47	Lymphomagenesis in SCID-X1 mice following lentivirus-mediated phenotype correction independent of insertional mutagenesis and gammac overexpression. *Molecular Therapy*, **2010**, 18, 965-76	11.7	46
46	Induction and prevention of severe hyperammonemia in the spfash mouse model of ornithine transcarbamylase deficiency using shRNA and rAAV-mediated gene delivery. *Molecular Therapy*, **2011**, 19, 854-9	11.7	36
45	The implementation of newborn screening for spinal muscular atrophy: the Australian experience. *Genetics in Medicine*, **2020**, 22, 557-565	8.1	36
44	Sexually dimorphic patterns of episomal rAAV genome persistence in the adult mouse liver and correlation with hepatocellular proliferation. *Molecular Therapy*, **2009**, 17, 1548-54	11.7	30
43	A novel splice-site mutation in the common gamma chain (gammac) gene IL2RG results in X-linked severe combined immunodeficiency with an atypical NK+ phenotype. *Human Mutation*, **2004**, 23, 522-3	4.7	30
42	Adeno-associated virus-mediated rescue of neonatal lethality in argininosuccinate synthetase-deficient mice. *Molecular Therapy*, **2013**, 21, 1823-31	11.7	29

41	Impact of next-generation sequencing error on analysis of barcoded plasmid libraries of known complexity and sequence. *Nucleic Acids Research*, **2014**, 42, e129	20.1	28
40	Age-Related Seroprevalence of Antibodies Against AAV-LK03 in a UK Population Cohort. *Human Gene Therapy*, **2019**, 30, 79-87	4.8	27
39	High-Throughput , and Screen of Adeno-Associated Virus Vectors Based on Physical and Functional Transduction. *Human Gene Therapy*, **2020**, 31, 575-589	4.8	26
38	The Balance of Stromal BMP Signaling Mediated by GREM1 and ISLR Drives Colorectal Carcinogenesis. *Gastroenterology*, **2021**, 160, 1224-1239.e30	13.3	26
37	Intrahepatic activation of naive CD4+ T cells by liver-resident phagocytic cells. *Journal of Immunology*, **2014**, 193, 2087-95	5.3	24
36	Modeling correction of severe urea cycle defects in the growing murine liver using a hybrid recombinant adeno-associated virus/piggyBac transposase gene delivery system. *Hepatology*, **2015**, 62, 417-28	11.2	21
35	Limiting Thymic Precursor Supply Increases the Risk of Lymphoid Malignancy in Murine X-Linked Severe Combined Immunodeficiency. *Molecular Therapy - Nucleic Acids*, **2017**, 6, 1-14	10.7	15
34	Gene therapy for tolerance: high-level expression of donor major histocompatibility complex in the liver overcomes naive and memory alloresponses to skin grafts. *Transplantation*, **2013**, 95, 70-7	1.8	15
33	Prevention of Cholestatic Liver Disease and Reduced Tumorigenicity in a Murine Model of PFIC Type 3 Using Hybrid AAV-piggyBac Gene Therapy. *Hepatology*, **2019**, 70, 2047-2061	11.2	14
32	Restoring the natural tropism of AAV2 vectors for human liver. *Science Translational Medicine*, **2020** , 12,	17.5	14
31	Codon-Optimization of Wild-Type Adeno-Associated Virus Capsid Sequences Enhances DNA Family Shuffling while Conserving Functionality. *Molecular Therapy - Methods and Clinical Development*, **2019**, 12, 71-84	6.4	13
30	Attenuation of Heparan Sulfate Proteoglycan Binding Enhances Transduction of Human Primary Hepatocytes with AAV2. *Molecular Therapy - Methods and Clinical Development*, **2020**, 17, 1139-1154	6.4	12
29	A User‐s Guide to the Inverted Terminal Repeats of Adeno-Associated Virus. *Human Gene Therapy Methods*, **2019**, 30, 206-213	4.9	11
28	Great expectations: virus-mediated gene therapy in neurological disorders. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 849-860	5.5	10
27	Gene therapy for metabolic disorders: an overview with a focus on urea cycle disorders. *Journal of Inherited Metabolic Disease*, **2012**, 35, 641-5	5.4	10
26	Insights into Gene Therapy for Urea Cycle Defects by Mathematical Modeling. *Human Gene Therapy*, **2019**, 30, 1385-1394	4.8	9
25	A genome-wide map of adeno-associated virus-mediated human gene targeting. *Nature Structural and Molecular Biology*, **2014**, 21, 969-75	17.6	9
24	AAV-mediated gene delivery of the calreticulin anti-angiogenic domain inhibits ocular neovascularization. *Angiogenesis*, **2018**, 21, 95-109	10.6	8

23	Human Connexin40 Mutations Slow Conduction and Increase Propensity for Atrial Fibrillation. *Heart Lung and Circulation*, **2018**, 27, 114-121	1.8	8
22	Efficient editing of OTC-deficient patient-derived primary human hepatocytes. *JHEP Reports*, **2020**, 2, 100065	10.3	8
21	Direct recognition of hepatocyte-expressed MHC class I alloantigens is required for tolerance induction. *JCI Insight*, **2018**, 3,	9.9	7
20	The Potential of AAV-Mediated Gene Targeting for Gene and Cell Therapy Applications. *Current Stem Cell Reports*, **2015**, 1, 16-22	1.8	6
19	AAV-Mediated Gene Delivery to the Mouse Liver. *Methods in Molecular Biology*, **2019**, 1937, 213-219	1.4	5
18	Ub-ISAP: a streamlined UNIX pipeline for mining unique viral vector integration sites from next generation sequencing data. *BMC Bioinformatics*, **2017**, 18, 305	3.6	5
17	Gain-of-function factor H-related 5 protein impairs glomerular complement regulation resulting in kidney damage. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
16	Use of a Hybrid Adeno-Associated Viral Vector Transposon System to Deliver the Insulin Gene to Diabetic NOD Mice. *Cells*, **2020**, 9,	7.9	4
15	Systemic AAV8-mediated delivery of a functional copy of muscle glycogen phosphorylase (Pygm) ameliorates disease in a murine model of McArdle disease. *Human Molecular Genetics*, **2020**, 29, 20-30	5.6	4
14	Safety and efficacy of an engineered hepatotropic AAV gene therapy for ornithine transcarbamylase deficiency in cynomolgus monkeys. *Molecular Therapy - Methods and Clinical Development*, **2021**, 23, 135-146	6.4	4
13	Exploiting the unique regenerative capacity of the liver to underpin cell and gene therapy strategies for genetic and acquired liver disease. *International Journal of Biochemistry and Cell Biology*, **2014**, 56, 141-52	5.6	3
12	Novel human liver-tropic AAV variants define transferable domains that markedly enhance the human tropism of AAV7 and AAV8.. *Molecular Therapy - Methods and Clinical Development*, **2022**, 24, 88-101	6.4	3
11	The adenovirus E4 ORF6 and E1b 55 kDa proteins cooperate in a p53-independent manner to enhance transduction by recombinant adeno-associated virus vectors. *Journal of General Virology*, **2000**, 81, 2983-2991	4.9	3
10	Single amino acid insertion allows functional transduction of murine hepatocytes with human liver tropic AAV capsids. *Molecular Therapy - Methods and Clinical Development*, **2021**, 21, 607-620	6.4	3
9	Thymocyte self-renewal and oncogenic risk in immunodeficient mouse models: relevance for human gene therapy clinical trials targeting haematopoietic stem cell populations?. *Mammalian Genome*, **2018**, 29, 771-776	3.2	2
8	Clinical Trial of MGMT(P140K) Gene Therapy in the Treatment of Pediatric Patients with Brain Tumors. *Human Gene Therapy*, **2018**, 29, 874-885	4.8	1
7	Coherence analysis discriminates between retroviral integration patterns in CD34(+) cells transduced under differing clinical trial conditions. *Molecular Therapy - Methods and Clinical Development*, **2015**, 2, 15015	6.4	1
6	The self-peptide repertoire plays a critical role in transplant tolerance induction. *Journal of Clinical Investigation*, **2021**, 131,	15.9	1

5	Adeno-Associated Virus Vector Gene Delivery Elevates Factor I Levels and Downregulates the Complement Alternative Pathway. *Human Gene Therapy*, **2021**, 32, 1370-1381	4.8	1
4	Isling: a tool for detecting integration of wild-type viruses and clinical vectors.. *Journal of Molecular Biology*, **2021**, 167408	6.5	1
3	Angiotensin Converting Enzyme-2 Therapy Improves Liver Fibrosis and Glycemic Control in Diabetic Mice With Fatty Liver.. *Hepatology Communications*, **2021**,	6	1
2	Genome editing in the human liver: Progress and translational considerations. *Progress in Molecular Biology and Translational Science*, **2021**, 182, 257-288	4	0
1	A bioinformatic pipeline for simulating viral integration data.. *Data in Brief*, **2022**, 42, 108161	1.2	0