Eric J Kremer

List of Publications by Year
in descending order

113 papers	9,147 citations	57681 46 h-index	51423 90 g-index
132 all docs	132 docs citations	132 times ranked	9176 citing authors

#	Article	IF	Citations
1	Adenovirus-based vaccinesâ€"a platform for pandemic preparedness against emerging viral pathogens. Molecular Therapy, 2022, 30, 1822-1849.	3.7	24
2	Adenovirus-Î±-Defensin Complexes Induce NLRP3-Associated Maturation of Human Phagocytes via Toll-Like Receptor 4 Engagement. Journal of Virology, 2022, 96, jvi0185021.	1.5	9
3	Editorial: Tropism, Mapping, Modeling, or Therapy Using Canine Adenovirus Type 2 (CAV-2) Vectors in the CNS. Frontiers in Molecular Neuroscience, 2021, 14, 636476.	1.4	1
4	Lactoferrin Retargets Human Adenoviruses to TLR4 to Induce an Abortive NLRP3-Associated Pyroptotic Response in Human Phagocytes. Frontiers in Immunology, 2021, 12, 685218.	2.2	16
5	IgG-Complexed Adenoviruses Induce Human Plasmacytoid Dendritic Cell Activation and Apoptosis. Viruses, 2021, 13, 1699.	1.5	6
6	What is the risk of a deadly adenovirus pandemic?. PLoS Pathogens, 2021, 17, e1009814.	2.1	12
7	Pros and Cons of Adenovirus-Based SARS-CoV-2 Vaccines. Molecular Therapy, 2020, 28, 2303-2304.	3.7	47
8	Adenovirusâ€"Extracellular Protein Interactions and Their Impact on Innate Immune Responses by Human Mononuclear Phagocytes. Viruses, 2020, 12, 1351.	1.5	21
9	Targeting Catecholaminergic Systems in Transgenic Rats With a CAV-2 Vector Harboring a Cre-Dependent DREADD Cassette. Frontiers in Molecular Neuroscience, 2020, 13, 121.	1.4	1
10	Targeted Transgene Expression in Cholinergic Interneurons in the Monkey Striatum Using Canine Adenovirus Serotype 2 Vectors. Frontiers in Molecular Neuroscience, 2020, 13, 76.	1.4	8
11	Location of the Cell Adhesion Molecule â€œCoxsackievirus and Adenovirus Receptorâ€•in the Adult Mouse Brain. Frontiers in Neuroanatomy, 2020, 14, 28.	0.9	10
12	TrkB-expressing paraventricular hypothalamic neurons suppress appetite through multiple neurocircuits. Nature Communications, 2020, 11, 1729.	5.8	41
13	Locus coeruleus norepinephrine activity mediates sensory-evoked awakenings from sleep. Science Advances, 2020, 6, eaaz4232.	4.7	124
14	CAV-2-Mediated GFP and LRRK2G2019S Expression in the Macaca fascicularis Brain. Frontiers in Molecular Neuroscience, 2020, 13, 49.	1.4	2
15	A review of 65 years of human adenovirus seroprevalence. Expert Review of Vaccines, 2019, 18, 597-613.	2.0	111
16	CAV-2 Vector Development and Gene Transfer in the Central and Peripheral Nervous Systems. Frontiers in Molecular Neuroscience, 2019, 12, 71.	1.4	37
17	Combining Gene Transfer and Nonhuman Primates to Better Understand and Treat Parkinsonâ€™s Disease. Frontiers in Molecular Neuroscience, 2019, 12, 10.	1.4	14
18	Lysosomal and network alterations in human mucopolysaccharidosis type VII iPSC-derived neurons. Scientific Reports, 2018, 8, 16644.	1.6	15

#	Article	IF	Citations
19	Humoral immune response to adenovirus induce tolerogenic bystander dendritic cells that promote generation of regulatory T cells. PLoS Pathogens, 2018, 14, e1007127.	2.1	24
20	Thalamocortical and corticothalamic pathways differentially contribute to goal-directed behaviors in the rat. ELife, 2018, 7, .	2.8	69
21	Exogenous LRRK2G2019S induces parkinsonian-like pathology in a nonhuman primate. JCI Insight, 2018, 3, .	2.3	24
22	What is CAR doing in the middle of the adult neurogenic road?. Neurogenesis (Austin, Tex), 2017, 4, e1304790.	1.5	5
23	Modular organization of the brainstem noradrenaline system coordinates opposing learning states. Nature Neuroscience, 2017, 20, 1602-1611.	7.1	246
24	Functional dichotomy in spinal- vs prefrontal-projecting locus coeruleus modules splits descending noradrenergic analgesia from ascending aversion and anxiety in rats. ELife, 2017, 6, .	2.8	178
25	Retrograde optogenetic characterization of the pontospinal module of the locus coeruleus with a canine adenoviral vector. Brain Research, 2016, 1641, 274-290.	1.1	81
26	Coxsackievirus Adenovirus Receptor Loss Impairs Adult Neurogenesis, Synapse Content, and Hippocampus Plasticity. Journal of Neuroscience, 2016, 36, 9558-9571.	1.7	29
27	Membrane Dynamics and Signaling of the Coxsackievirus and Adenovirus Receptor. International Review of Cell and Molecular Biology, 2016, 322, 331-362.	1.6	23
28	Evaluation of helper-dependent canine adenovirus vectors in a 3D human CNS model. Gene Therapy, 2016, 23, 86-94.	2.3	15
29	Immune-Complexed Adenovirus Induce AIM2-Mediated Pyroptosis in Human Dendritic Cells. PLoS Pathogens, 2016, 12, e1005871.	2.1	63
30	Ebola vaccines based on adenovirus vectors and risk of HIV. BMJ, The, 2015, 350, h1307-h1307.	3.0	6
31	Canine helper-dependent vectors production: implications of Cre activity and co-infection on adenovirus propagation. Scientific Reports, 2015, 5, 9135.	1.6	3
32	Transcriptional Response of Human Neurospheres to Helper-Dependent CAV-2 Vectors Involves the Modulation of DNA Damage Response, Microtubule and Centromere Gene Groups. PLoS ONE, 2015, 10, e0133607.	1.1	17
33	Adenovirus Tales: From the Cell Surface to the Nuclear Pore Complex. PLoS Pathogens, 2015, 11, e1004821.	2.1	29
34	Human Coagulation Factor X-Adenovirus Type 5 Complexes Poorly Stimulate an Innate Immune Response in Human Mononuclear Phagocytes. Journal of Virology, 2015, 89, 2884-2891.	1.5	17
35	Circuit Architecture of VTA Dopamine Neurons Revealed by Systematic Input-Output Mapping. Cell, 2015, 162, 622-634.	13.5	777
36	Viral-genetic tracing of the inputâ€“output organization of a central noradrenaline circuit. Nature, 2015, 524, 88-92.	13.7	601

#	Article	IF	Citations
37	CAV-2â€"why a canine virus is a neurobiologist's best friend. Current Opinion in Pharmacology, 2015, 24, 86-93.	1.7	104
38	The Intracellular Domain of the Coxsackievirus and Adenovirus Receptor Differentially Influences Adenovirus Entry. Journal of Virology, 2015, 89, 9417-9426.	1.5	15
39	Ebola virus vaccine: benefit and risks of adenovirus-based vectors. Expert Review of Vaccines, 2015, 14, 1471-1478.	2.0	13
40	Impact of adenovirus life cycle progression on the generation of canine helper-dependent vectors. Gene Therapy, 2015, 22, 40-49.	2.3	6
41	Modeling Human Neural Functionality In Vitro: Three-Dimensional Culture for Dopaminergic Differentiation. Tissue Engineering - Part A, 2015, 21, 654-668.	1.6	44
42	Do nonhuman primate or bat adenoviruses pose a risk for human health?. Future Microbiology, 2014, 9, 269-272.	1.0	16
43	Disruption of the Coxsackievirus and Adenovirus Receptor-Homodimeric Interaction Triggers Lipid Microdomain- and Dynamin-dependent Endocytosis and Lysosomal Targeting. Journal of Biological Chemistry, 2014, 289, 680-695.	1.6	40
44	Central Nervous System Delivery of Helper-Dependent Canine Adenovirus Corrects Neuropathology and Behavior in Mucopolysaccharidosis Type VII Mice. Human Gene Therapy, 2014, 25, 199-211.	1.4	26
45	Corrective GUSB Transfer to the Canine Mucopolysaccharidosis VII Brain. Molecular Therapy, 2014, 22, 762-773.	3.7	24
46	Corrective GUSB transfer to the canine mucopolysaccharidosis VII cornea using a helper-dependent canine adenovirus vector. Journal of Controlled Release, 2014, 181, 22-31.	4.8	18
47	Bioprocess development for canine adenovirus type 2 vectors. Gene Therapy, 2013, 20, 353-360.	2.3	41
48	Combined Antiapoptotic and Antioxidant Approach to Acute Neuroprotection for Stroke in Hypertensive Rats. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1215-1224.	2.4	20
49	Differentiated Neuroprogenitor Cells Incubated with Human or Canine Adenovirus, or Lentiviral Vectors Have Distinct Transcriptome Profiles. PLoS ONE, 2013, 8, e69808.	1.1	20
50	Impact of E1 and Cre on Adenovirus Vector Amplification: Developing MDCK CAV-2-E1 and E1-Cre Transcomplementing Cell Lines. PLoS ONE, 2013, 8, e60342.	1.1	16
51	Canine Adenovirus Type 2 Vector Generation via I-Sce1-Mediated Intracellular Genome Release. PLoS ONE, 2013, 8, e71032.	1.1	23
52	A Siglec-like sialic-acid-binding motif revealed in an adenovirus capsid protein. Glycobiology, 2012, 22, 1086-1091.	1.3	17
53	The Number of Toll-Like Receptor 9-Agonist Motifs in the Adenovirus Genome Correlates with Induction of Dendritic Cell Maturation by Adenovirus Immune Complexes. Journal of Virology, 2012, 86, 6279-6285.	1.5	25
54	Generation and genetic modification of 3D cultures of human dopaminergic neurons derived from neural progenitor cells. Methods, 2012, 56, 452-460.	1.9	40

#	Article	IF	Citations
55	Helper-dependent canine adenovirus vector-mediated transgene expression in a neurodegenerative lysosomal storage disorder. Gene, 2012, 491, 53-57.	1.0	22
56	Virus induced and associated postâ€translational modifications. Biology of the Cell, 2012, 104, 119-120.	0.7	2
57	Corneal Transduction by Intra-Stromal Injection of AAV Vectors In Vivo in the Mouse and Ex Vivo in Human Explants. PLoS ONE, 2012, 7, e35318.	1.1	38
58	An adenovirus traffic update: from receptor engagement to the nuclear pore. Future Microbiology, 2011, 6, 179-192.	1.0	22
59	Competition for XPO5 binding between Dicer mRNA, pre-miRNA and viral RNA regulates human Dicer levels. Nature Structural and Molecular Biology, 2011, 18, 323-327.	3.6	84
60	DNA/NYVAC Vaccine Regimen Induces HIV-Specific CD4 and CD8 T-Cell Responses in Intestinal Mucosa. Journal of Virology, 2011, 85, 9854-9862.	1.5	35
61	A hitchhiker's guide to the nervous system: the complex journey of viruses and toxins. Nature Reviews Microbiology, 2010, 8, 645-655.	13.6	153
62	A Capsid-Encoded PPxY-Motif Facilitates Adenovirus Entry. PLoS Pathogens, 2010, 6, e1000808.	2.1	94
63	An Update on Canine Adenovirus Type 2 and Its Vectors. Viruses, 2010, 2, 2134-2153.	1.5	93
64	SGSH gene transfer in mucopolysaccharidosis type IIIA mice using canine adenovirus vectors. Molecular Genetics and Metabolism, 2010, 100, 168-175.	0.5	25
65	CAR-Associated Vesicular Transport of an Adenovirus in Motor Neuron Axons. PLoS Pathogens, 2009, 5, e1000442.	2.1	105
66	Cystine accumulation in the CNS results in severe age-related memory deficits. Neurobiology of Aging, 2009, 30, 987-1000.	1.5	19
67	The Cell Adhesion Molecule â€œCARâ€•and Sialic Acid on Human Erythrocytes Influence Adenovirus In Vivo Biodistribution. PLoS Pathogens, 2009, 5, e1000277.	2.1	112
68	Mutagenesis of hexon â€œFXâ€•hepatic tropism. Blood, 2009, 114, 929-930.	0.6	3
69	Activation of a dendritic cellâ€“T cell axis by Ad5 immune complexes creates an improved environment for replication of HIV in T cells. Journal of Experimental Medicine, 2008, 205, 2717-2725.	4.2	153
70	Three-Dimensional Structure of Canine Adenovirus Serotype 2 Capsid. Journal of Virology, 2008, 82, 3192-3203.	1.5	64
71	Gene Transfer May Be Preventive But Not Curative for a Lysosomal Transport Disorder. Molecular Therapy, 2008, 16, 1372-1381.	3.7	13
72	Contrasting Effects of Human, Canine, and Hybrid Adenovirus Vectors on the Phenotypical and Functional Maturation of Human Dendritic Cells: Implications for Clinical Efficacy. Journal of Virology, 2007, 81, 3272-3284.	1.5	52

#	Article	IF	Citations
73	The Ocular Anomalies in a Cystinosis Animal Model Mimic Disease Pathogenesis. Pediatric Research, 2007, 62, 156-162.	1.1	31
74	Interactions Between Human Plasma Components and A Xenogenic Adenovirus Vector: Reduced Immunogenicity During Gene Transfer. Molecular Therapy, 2007, 15, 1998-2007.	3.7	32
75	Prevention of posterior capsule opacification by the induction of therapeutic apoptosis of residual lens cells. Gene Therapy, 2006, 13, 440-448.	2.3	31
76	Lens cell targetting for gene therapy of prevention of posterior capsule opacification. Gene Therapy, 2006, 13, 1422-1429.	2.3	17
77	The Conundrum Between Immunological Memory to Adenovirus and Their Use as Vectors in Clinical Gene Therapy. Molecular Biotechnology, 2006, 34, 247-256.	1.3	23
78	Canine Adenovirus Vectors for Lung-Directed Gene Transfer: Efficacy, Immune Response, and Duration of Transgene Expression Using Helper-Dependent Vectors. Journal of Virology, 2006, 80, 1487-1496.	1.5	34
79	Structural and Mutational Analysis of Human Ad37 and Canine Adenovirus 2 Fiber Heads in Complex with the D1 Domain of Coxsackie and Adenovirus Receptor. Journal of Biological Chemistry, 2006, 281, 33704-33716.	1.6	81
80	Cre recombinase-mediated restoration of nigrostriatal dopamine in dopamine-deficient mice reverses hypophagia and bradykinesia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8858-8863.	3.3	196
81	Visualization of local Ca2+ dynamics with genetically encoded bioluminescent reporters. European Journal of Neuroscience, 2005, 21, 597-610.	1.2	77
82	Dysregulation of dopamine signaling in the dorsal striatum inhibits feeding. Brain Research, 2005, 1061, 88-96.	1.1	96
83	Frequency, Proliferation, and Activation of Human Memory T Cells Induced by a Nonhuman Adenovirus. Journal of Virology, 2005, 79, 14595-14605.	1.5	61
84	Longâ€term in vivo transduction of neurons throughout the rat central nervous system using novel helperâ€dependent CAVâ€2 vectors. FASEB Journal, 2004, 18, 1-20.	0.2	101
85	An adenovirus vector with a chimeric fiber derived from canine adenovirus type 2 displays novel tropism. Virology, 2004, 324, 103-116.	1.1	67
86	CAR chasing: canine adenovirus vectorsâ€“all bite and no bark?. Journal of Gene Medicine, 2004, 6, S139-S151.	1.4	39
87	Impaired clearance of virus-infected hepatocytes in transgenic mice expressing the hepatitis C virus polyprotein. Gastroenterology, 2004, 126, 859-872.	0.6	64
88	Comparative transductions of breast cancer cells by three DNA viruses. Biochemical and Biophysical Research Communications, 2003, 309, 1011-1016.	1.0	22
89	Subpallial origin of a population of projecting pioneer neurons during corticogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12468-12473.	3.3	67
90	A canine conditionally replicating adenovirus for evaluating oncolytic virotherapy in a syngeneic animal model. Molecular Therapy, 2003, 7, 163-173.	3.7	93

#	Article	IF	Citations
91	In Vivo Neuronal Tracing with GFP-TTC Gene Delivery. Molecular and Cellular Neurosciences, 2002, 20, 627-637.	1.0	59
92	Trafficking and Propagation of Canine Adenovirus Vectors Lacking a Known Integrin-Interacting Motif. Human Gene Therapy, 2001, 12, 1815-1823.	1.4	36
93	Preferential transduction of neurons by canine adenovirus vectors and their efficient retrograde transport in vivo. FASEB Journal, 2001, 15, 1-23.	0.2	221
94	Characterization of cis-Acting Sequences Involved in Canine Adenovirus Packaging. Molecular Therapy, 2001, 3, 631-640.	3.7	47
95	Canine Adenovirus Vectors: an Alternative for Adenovirus-Mediated Gene Transfer. Journal of Virology, 2000, 74, 505-512.	1.5	239
96	Canine Adenovirus Type 2 Attachment and Internalization: Coxsackievirus-Adenovirus Receptor, Alternative Receptors, and an RGD-Independent Pathway. Journal of Virology, 2000, 74, 10639-10649.	1.5	109
97	A Recombinant E1-Deleted Canine Adenoviral Vector Capable of Transduction and Expression of a Transgene in Human-Derived Cells andIn Vivo. Human Gene Therapy, 1997, 8, 2103-2115.	1.4	79
98	Prevention of bleomycin-induced pulmonary fibrosis after adenovirus-mediated transfer of the bacterial bleomycin resistance gene.. Journal of Clinical Investigation, 1997, 99, 608-617.	3.9	47
99	Expression of the Rat Testis-specific Histone H1t Gene in Transgenic Mice. Journal of Biological Chemistry, 1996, 271, 4046-4054.	1.6	28
100	Adenovirus and adeno-associated virus mediated gene transfer. British Medical Bulletin, 1995, 51, 31-44.	2.7	102
101	Implications of FRA16A structure for the mechanism of chromosomal fragile site genesis. Science, 1994, 264, 1938-1941.	6.0	147
102	Analysis of the promoter for the gene encoding the testis-specific histone H1t in a somatic cell line: evidence for cell-cycle regulation and modulation by distant upstream sequences. Gene, 1992, 110, 167-173.	1.0	28
103	The gene for the human IgA Fc receptor maps to 19q13.4. Human Genetics, 1992, 89, 107-108.	1.8	59
104	Evidence of founder chromosomes in fragile X syndrome. Nature Genetics, 1992, 1, 257-260.	9.4	197
105	Fragile-X syndrome: unique genetics of the heritable unstable element. American Journal of Human Genetics, 1992, 50, 968-80.	2.6	153
106	Hereditary unstable DNA: a new explanation for some old genetic questions?. Lancet, The, 1991, 338, 289-292.	6.3	78
107	Localization of mRNA for testis-specific histone H1t by in situ hybridization. Experimental Cell Research, 1991, 197, 330-332.	1.2	50
108	Fragile X genotype characterized by an unstable region of DNA. Science, 1991, 252, 1179-1181.	6.0	791

#	Article	IF	Citations
109	Mapping of DNA instability at the fragile X to a trinucleotide repeat sequence p(CCG)n. Science, 1991, 252, 1711-1714.	6.0	908
110	Fragile X syndrome: genetic localisation by linkage mapping of two microsatellite repeats FRAXAC1 and FRAXAC2 which immediately flank the fragile site.. Journal of Medical Genetics, 1991, 28, 818-823.	1.5	131
111	Prenatal Diagnosis of Fragile X Syndrome by Direct Detection of the Unstable DNA Sequence. New England Journal of Medicine, 1991, 325, 1720-1722.	13.9	99
112	Isolation of a human DNA sequence which spans the fragile X. American Journal of Human Genetics, 1991, 49, 656-61.	2.6	31
113	Isolation of a genomic clone encoding the rat histone variant, H1d. Gene, 1990, 89, 265-269.	1.0	28