Jay T Evans

List of Publications by Year
in descending order

42 papers	2,477 citations	257101 24 h-index	253896 43 g-index
45 all docs	45 docs citations	45 times ranked	2398 citing authors

#	Article	IF	Citations
1	Sequence and Analysis of the Genome of a Baculovirus Pathogenic forLymantria dispar. Virology, 1999, 253, 17-34.	1.1	297
2	The Sequence of theOrgyia pseudotsugataMultinucleocapsid Nuclear Polyhedrosis Virus Genome. Virology, 1997, 229, 381-399.	1.1	260
3	Taking a Toll on human disease: Toll-like receptor 4 agonists as vaccine adjuvants and monotherapeutic agents. Expert Opinion on Biological Therapy, 2004, 4, 1129-1138.	1.4	234
4	Enhancement of antigen-specific immunity via the TLR4 ligands MPLâ„¢ adjuvant and Ribi.529. Expert Review of Vaccines, 2003, 2, 219-229.	2.0	222
5	Structure-Activity Relationship of Synthetic Toll-like Receptor 4 Agonists. Journal of Biological Chemistry, 2004, 279, 4440-4449.	1.6	139
6	The low-toxicity versions of LPS, MPL(R) adjuvant and RC529, are efficient adjuvants for CD4+ T cells. Journal of Leukocyte Biology, 2005, 78, 1273-1280.	1.5	121
7	Synthetic Toll-Like Receptor 4 Agonists Stimulate Innate Resistance to Infectious Challenge. Infection and Immunity, 2005, 73, 3044-3052.	1.0	110
8	Human Cord Blood CD34+CD38- Cell Transduction via Lentivirus-Based Gene Transfer Vectors. Human Gene Therapy, 1999, 10, 1479-1489.	1.4	83
9	Intranasal Vaccination Promotes Detrimental Th17-Mediated Immunity against Influenza Infection. PLoS Pathogens, 2014, 10, e1003875.	2.1	81
10	Selective TRIF-Dependent Signaling by a Synthetic Toll-Like Receptor 4 Agonist. Science Signaling, 2012, 5, ra13.	1.6	69
11	Efficient Transduction of Human Lymphocytes and CD34+ Cells via Human Immunodeficiency Virus-Based Gene Transfer Vectors. Human Gene Therapy, 1999, 10, 935-945.	1.4	64
12	Immunoregulatory Activity of the Natural Product Laminarin Varies Widely as a Result of Its Physical Properties. Journal of Immunology, 2018, 200, 788-799.	0.4	61
13	PEG modified liposomes containing CRX-601 adjuvant in combination with methylglycol chitosan enhance the murine sublingual immune response to influenza vaccination. Journal of Controlled Release, 2016, 223, 64-74.	4.8	56
14	Characterization of the interaction between the baculovirus replication factors LEF-1 and LEF-2. Journal of Virology, 1997, 71, 3114-3119.	1.5	56
15	Lentivirus Vector Mobilization and Spread by Human Immunodeficiency Virus. Human Gene Therapy, 2000, 11, 2331-2339.	1.4	50
16	MPL Adjuvant Contains Competitive Antagonists of Human TLR4. Frontiers in Immunology, 2020, 11, 577823.	2.2	42
17	The baculovirus single-stranded DNA binding protein, LEF-3, forms a homotrimer in solution. Journal of Virology, 1997, 71, 3574-3579.	1.5	40
18	Immunostimulatory activity of aminoalkyl glucosaminide 4-phosphates (AGPs): induction of protective innate immune responses by RC-524 and RC-529. Journal of Endotoxin Research, 2002, 8, 453-458.	2.5	37

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19	Evaluation of novel synthetic TLR7/8 agonists as vaccine adjuvants. Vaccine, 2016, 34, 4304-4312.	1.7	35
20	A single vaccination with protein-microspheres elicits a strong CD8 T-cell-mediated immune response against Mycobacterium tuberculosis antigen Mtb8.4. Vaccine, 2004, 22, 1964-1972.	1.7	34
21	Co-encapsulation of synthetic lipidated TLR4 and TLR7/8 agonists in the liposomal bilayer results in a rapid, synergistic enhancement of vaccine-mediated humoral immunity. Journal of Controlled Release, 2019, 315, 186-196.	4.8	34
22	Novel Lipidated Imidazoquinoline TLR7/8 Adjuvants Elicit Influenza-Specific Th1 Immune Responses and Protect Against Heterologous H3N2 Influenza Challenge in Mice. Frontiers in Immunology, 2020, 11, 406.	2.2	34
23	Characterization of the interaction between the baculovirus ssDNA-binding protein (LEF-3) and putative helicase (P143).. Journal of General Virology, 1999, 80, 493-500.	1.3	33
24	Aryl Trehalose Derivatives as Vaccine Adjuvants for <i>Mycobacterium tuberculosis</i>. Journal of Medicinal Chemistry, 2020, 63, 309-320.	2.9	29
25	The â€˜Etherealâ€™ nature of TLR4 agonism and antagonism in the AGP class of lipid A mimetics. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5350-5354.	1.0	26
26	Structural requirements for TLR7-selective signaling by 9-(4-piperidinylalkyl)-8-oxoadenine derivatives. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1318-1323.	1.0	24
27	Methylglycol chitosan and a synthetic TLR4 agonist enhance immune responses to influenza vaccine administered sublingually. Vaccine, 2015, 33, 5845-5853.	1.7	23
28	Species-Specific Structural Requirements of Alpha-Branched Trehalose Diester Mincle Agonists. Frontiers in Immunology, 2019, 10, 338.	2.2	18
29	In VitroSelection of Lentivirus Vector-Transduced Human CD34+Cells. Human Gene Therapy, 2000, 11, 1949-1957.	1.4	16
30	Differentiation and Expansion of Lentivirus Vector-Marked Dendritic Cells Derived from Human CD34+Cells. Human Gene Therapy, 2000, 11, 2483-2492.	1.4	14
31	Synthetic Toll-like Receptors 7 and 8 Agonists: Structureâ€“Activity Relationship in the Oxoadenine Series. ACS Omega, 2019, 4, 15665-15677.	1.6	14
32	6,6â€²-Aryl trehalose analogs as potential Mincle ligands. Bioorganic and Medicinal Chemistry, 2020, 28, 115564.	1.4	14
33	Design of Trehaloseâ€Based Amide/Sulfonamide Câ€type Lectin Receptor Signaling Compounds. ChemMedChem, 2021, 16, 1246-1251.	1.6	11
34	Advancing Adjuvants for Mycobacterium tuberculosis Therapeutics. Frontiers in Immunology, 2021, 12, 740117.	2.2	10
35	Thymocyte differentiation from lentivirus-marked CD34+ cells in infant and adult human thymus. Journal of Immunological Methods, 2000, 245, 31-43.	0.6	9
36	Pre-clinical evaluation of an in vitro selection protocol for the enrichment of transduced CD34+ cell-derived human dendritic cells. Gene Therapy, 2001, 8, 1427-1435.	2.3	8

#	Article	IF	Citations
37	Co-adsorption of synthetic Mincle agonists and antigen to silica nanoparticles for enhanced vaccine activity: A formulation approach to co-delivery. International Journal of Pharmaceutics, 2021, 593, 120119.	2.6	7
38	Characterization of TRIF selectivity in the AGP class of lipid A mimetics: Role of secondary lipid chains. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 547-553.	1.0	6
39	Optimization of 8-oxoadenines with toll-like-receptor 7 and 8 activity. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126984.	1.0	6
40	A tractable covalent linker strategy for the production of immunogenic antigen-TLR7/8L bioconjugates. Chemical Communications, 2021, 57, 4698-4701.	2.2	6
41	Toll-like receptor 4 agonists as vaccine adjuvants. , 2006, , 93-107.		3
42	Using Dual Toll-like Receptor Agonism to Drive Th1-Biased Response in a Squalene- and Î±-Tocopherol-Containing Emulsion for a More Effective SARS-CoV-2 Vaccine. Pharmaceutics, 2022, 14, 1455.	2.0	3