

Shih-Jen Liu

List of Publications by Year in descending order

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91
papers

2,580
citations

186265

28
h-index

214800

47
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91
all docs

91
docs citations

91
times ranked

3534
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Dose SARS-CoV-2 S-Trimer with an Emulsion Adjuvant Induced Th1-Biased Protective Immunity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4902.	4.1	9
2	A DNA vaccine candidate delivered by an electroacupuncture machine provides protective immunity against SARS-CoV-2 infection. <i>Npj Vaccines</i> , 2022, 7, .	6.0	21
3	Induction of high affinity monoclonal antibodies against SARS-CoV-2 variant infection using a DNA prime-protein boost strategy. <i>Journal of Biomedical Science</i> , 2022, 29, .	7.0	4
4	DNA vaccination induced protective immunity against SARS CoV-2 infection in hamsters. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009374.	3.0	18
5	A Novel Recombinant Fc γ 3 Receptor-Targeted Survivin Combines with Chemotherapy for Efficient Cancer Treatment. <i>Biomedicines</i> , 2021, 9, 806.	3.2	5
6	Characterization of Virus Replication, Pathogenesis, and Cytokine Responses in Syrian Hamsters Inoculated with SARS-CoV-2. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 3781-3795.	3.5	13
7	Squalene nanoemulsion reinforces mucosal and immunological fingerprints following intravaginal delivery. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111799.	5.6	7
8	Assessment of adjuvantation strategy of lipid squalene nanoparticles for enhancing the immunogenicity of a SARS-CoV-2 spike subunit protein against COVID-19. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121024.	5.2	9
9	Activation of GM-CSF and TLR2 signaling synergistically enhances antigen-specific antitumor immunity and modulates the tumor microenvironment. , 2021, 9, e002758.		7
10	Intranasal Vaccination With Recombinant Antigen-FLIPr Fusion Protein Alone Induces Long-Lasting Systemic Antibody Responses and Broad T Cell Responses. <i>Frontiers in Immunology</i> , 2021, 12, 751883.	4.8	5
11	Nanoemulsion adjuvantation strategy of tumor-associated antigen therapy rephrases mucosal and immunotherapeutic signatures following intranasal vaccination. , 2020, 8, e001022.		13
12	A Polypeptide of Tumor-Associated Antigen L6 with Intrinsic Adjuvant Activity Enhances Antitumor Immunity. <i>Vaccines</i> , 2020, 8, 620.	4.4	1
13	Liposomal TLR9 Agonist Combined with TLR2 Agonist-Fused Antigen Can Modulate Tumor Microenvironment through Dendritic Cells. <i>Cancers</i> , 2020, 12, 810.	3.7	10
14	Recombinant lipidated Zika virus envelope protein domain III elicits durable neutralizing antibody responses against Zika virus in mice. <i>Journal of Biomedical Science</i> , 2020, 27, 51.	7.0	6
15	Domain 4 of pneumolysin from <i>Streptococcus pneumoniae</i> is a multifunctional domain contributing TLR4 activating and hemolytic activity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 596-602.	2.1	7
16	Delivery of Antigen to CD8+ Dendritic Cells by Fusing Antigen With Formyl Peptide Receptor-Like 1 Inhibitor Protein Induces Antitumor Immunity. <i>Frontiers in Immunology</i> , 2019, 10, 1839.	4.8	10
17	Immunological evaluation of a novel HLA-A2 restricted phosphopeptide of tumor associated Antigen, TRAP1, on cancer therapy. <i>Vaccine: X</i> , 2019, 1, 100017.	2.1	14
18	Endoplasmic reticulum-targeting sequence enhanced the cellular immunity of a tumor-associated antigen L6-based DNA vaccine. <i>American Journal of Cancer Research</i> , 2019, 9, 2028-2036.	1.4	5

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19	Polysorbosome: A Colloidal Vesicle Contoured by Polymeric Bioresorbable Amphiphiles as an Immunogenic Depot for Vaccine Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12553-12561.	8.0	10
20	Efficient Uptake of Recombinant Lipidated Survivin by Antigen-Presenting Cells Initiates Antigen Cross-Presentation and Antitumor Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 822.	4.8	7
21	Infection with the dengue RNA virus activates TLR9 signaling in human dendritic cells. <i>EMBO Reports</i> , 2018, 19, .	4.5	74
22	A therapeutic vaccine targeting HPV E6/E7 with intrinsic Toll-like receptor 2 agonist activity induces antitumor immunity. <i>American Journal of Cancer Research</i> , 2018, 8, 2528-2537.	1.4	4
23	Recent progress in GM-CSF-based cancer immunotherapy. <i>Immunotherapy</i> , 2017, 9, 347-360.	2.0	154
24	CpG-oligodeoxynucleotides developed for grouper toll-like receptor (TLR) 21s effectively activate mouse and human TLR9s mediated immune responses. <i>Scientific Reports</i> , 2017, 7, 17297.	3.3	21
25	A Toll-like receptor 2 agonist-fused antigen enhanced antitumor immunity by increasing antigen presentation and the CD8 memory T cells population. <i>Oncotarget</i> , 2016, 7, 30804-30819.	1.8	14
26	Carboxyl-terminal fusion of E7 into Flagellin shifts TLR5 activation to NLRC4/NAIP5 activation and induces TLR5-independent anti-tumor immunity. <i>Scientific Reports</i> , 2016, 6, 24199.	3.3	14
27	Immunogenicity of a novel tetravalent vaccine formulation with four recombinant lipidated dengue envelope protein domain IIIs in mice. <i>Scientific Reports</i> , 2016, 6, 30648.	3.3	32
28	Chimeric peptide containing both B and T cells epitope of tumor-associated antigen L6 enhances anti-tumor effects in HLA-A2 transgenic mice. <i>Cancer Letters</i> , 2016, 377, 126-133.	7.2	13
29	A novel liposomal recombinant lipoimmunogen enhances anti-tumor immunity. <i>Journal of Controlled Release</i> , 2016, 233, 57-63.	9.9	16
30	Degradable emulsion as vaccine adjuvant reshapes antigen-specific immunity and thereby ameliorates vaccine efficacy. <i>Scientific Reports</i> , 2016, 6, 36732.	3.3	14
31	Recombinant lipidated dengue-3 envelope protein domain III stimulates broad immune responses in mice. <i>Vaccine</i> , 2016, 34, 1054-1061.	3.8	19
32	Gemcitabine enhances antitumor efficacy of recombinant lipoimmunogen-based immunotherapy. <i>Oncolmmunology</i> , 2016, 5, e1095433.	4.6	15
33	Glucocorticoids may compromise the effect of gefitinib in non-small cell lung cancer. <i>Oncotarget</i> , 2016, 7, 85917-85928.	1.8	6
34	A HLA-A2-restricted CTL epitope induces anti-tumor effects against human lung cancer in mouse xenograft model. <i>Oncotarget</i> , 2016, 7, 671-683.	1.8	7
35	A TLR9 agonist enhances the anti-tumor immunity of peptide and lipopeptide vaccines via different mechanisms. <i>Scientific Reports</i> , 2015, 5, 12578.	3.3	28
36	Self-adjuvanting lipoimmunogens for therapeutic HPV vaccine development: potential clinical impact. <i>Expert Review of Vaccines</i> , 2015, 14, 383-394.	4.4	11

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37	Recombinant Lipoproteins as Novel Vaccines with Intrinsic Adjuvant. <i>Advances in Protein Chemistry and Structural Biology</i> , 2015, 99, 55-74.	2.3	8
38	Recombinant bacterial lipoproteins as vaccine candidates. <i>Expert Review of Vaccines</i> , 2015, 14, 1623-1632.	4.4	17
39	Recombinant lipoprotein-based vaccine candidates against <i>C. difficile</i> infections. <i>Journal of Biomedical Science</i> , 2015, 22, 65.	7.0	13
40	Toll-Like Receptor 9-Mediated Protection of Enterovirus 71 Infection in Mice Is Due to the Release of Danger-Associated Molecular Patterns. <i>Journal of Virology</i> , 2014, 88, 11658-11670.	3.4	35
41	Depletion of tumor-associated macrophages enhances the anti-tumor immunity induced by a Toll-like receptor agonist-conjugated peptide. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 3241-3250.	3.3	22
42	Molecular Mechanisms of TLR2-Mediated Antigen Cross-Presentation in Dendritic Cells. <i>Journal of Immunology</i> , 2014, 192, 4233-4241.	0.8	40
43	Immunogenicity Studies of Bivalent Inactivated Virions of EV71/CVA16 Formulated with Submicron Emulsion Systems. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	16
44	A Purified Recombinant Lipopeptide as Adjuvant for Cancer Immunotherapy. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	5
45	Delivery of Human EV71 Receptors by Adeno-Associated Virus Increases EV71 Infection-Induced Local Inflammation in Adult Mice. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	2
46	Recombinant lipidated dengue-4 envelope protein domain III elicits protective immunity. <i>Vaccine</i> , 2014, 32, 1346-1353.	3.8	32
47	Toll-like receptor 9 agonist enhances anti-tumor immunity and inhibits tumor-associated immunosuppressive cells numbers in a mouse cervical cancer model following recombinant lipoprotein therapy. <i>Molecular Cancer</i> , 2014, 13, 60.	19.2	40
48	Disintegration and cancer immunotherapy efficacy of a squalane-in-water delivery system emulsified by bioresorbable poly(ethylene glycol)-block-poly(lactide). <i>Biomaterials</i> , 2014, 35, 1686-1695.	11.4	27
49	A novel emulsion-type adjuvant containing CpG oligodeoxynucleotides enhances CD8+ T-cell-mediated anti-tumor immunity. <i>Journal of Controlled Release</i> , 2014, 173, 158-165.	9.9	44
50	A consensus envelope protein domain III can induce neutralizing antibody responses against serotype 2 of dengue virus in non-human primates. <i>Archives of Virology</i> , 2013, 158, 1523-1531.	2.1	45
51	Mesenchymal Stem Cells Tune the Development of Monocyte-Derived Dendritic Cells Toward a Myeloid-Derived Suppressive Phenotype through Growth-Regulated Oncogene Chemokines. <i>Journal of Immunology</i> , 2013, 190, 5065-5077.	0.8	92
52	Induction of robust immunity by the emulsification of recombinant lipidated dengue-1 envelope protein domain III. <i>Microbes and Infection</i> , 2013, 15, 719-728.	1.9	14
53	Enzymatic Stability and Immunoregulatory Efficacy of a Synthetic Indolicidin Analogue with Regular Enantiomeric Sequence. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 522-526.	2.8	6
54	Lipidated Dengue-2 Envelope Protein Domain III Independently Stimulates Long-Lasting Neutralizing Antibodies and Reduces the Risk of Antibody-Dependent Enhancement. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2432.	3.0	34

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55	Production of EV71 vaccine candidates. <i>Human Vaccines and Immunotherapeutics</i> , 2012, 8, 1775-1783.	3.3	64
56	Immunological Evaluation and Comparison of Different EV71 Vaccine Candidates. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-8.	3.3	29
57	Recombinant heat shock protein 70 in combination with radiotherapy as a source of tumor antigens to improve dendritic cell immunotherapy. <i>Frontiers in Oncology</i> , 2012, 2, 149.	2.8	7
58	CD4+ T Cells Disarm or Delete Cytotoxic T Lymphocytes under IL-17's Polarizing Conditions. <i>Journal of Immunology</i> , 2012, 189, 1671-1679.	0.8	18
59	A Novel HLA-A2-restricted CTL Epitope of Tumor-associated Antigen L6 can Inhibit Tumor Growth In Vivo. <i>Journal of Immunotherapy</i> , 2012, 35, 235-244.	2.4	17
60	Dengue-1 Envelope Protein Domain III along with PELC and CpG Oligodeoxynucleotides Synergistically Enhances Immune Responses. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1645.	3.0	29
61	Liposome-based polymer complex as a novel adjuvant: enhancement of specific antibody production and isotype switch. <i>International Journal of Nanomedicine</i> , 2012, 7, 607.	6.7	18
62	Recombinant Lipidated HPV E7 Induces a Th-1-Biased Immune Response and Protective Immunity against Cervical Cancer in a Mouse Model. <i>PLoS ONE</i> , 2012, 7, e40970.	2.5	42
63	Increased expression of IL-21 reduces tumor growth by modulating the status of tumor-infiltrated lymphocytes. <i>Immunobiology</i> , 2011, 216, 491-496.	1.9	8
64	Identification and characterization of a cross-neutralization epitope of Enterovirus 71. <i>Vaccine</i> , 2011, 29, 4362-4372.	3.8	158
65	Rapid and sensitive detection of cancer cells by coupling with quantum dots and immunomagnetic separation at low concentrations. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4249-4252.	10.1	26
66	T-cell response to human papillomavirus type 52 L1, E6, and E7 peptides in women with transient infection, cervical intraepithelial neoplasia, and invasive cancer. <i>Journal of Medical Virology</i> , 2011, 83, 1023-1030.	5.0	8
67	Presentation of lipopeptide by dendritic cells induces anti-tumor responses via an endocytosis-independent pathway in vivo. <i>Journal of Leukocyte Biology</i> , 2011, 90, 323-332.	3.3	26
68	Cancer-Targeted BikDD Gene Therapy Elicits Protective Antitumor Immunity against Lung Cancer. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 637-647.	4.1	14
69	A Novel Single-Dose Dengue Subunit Vaccine Induces Memory Immune Responses. <i>PLoS ONE</i> , 2011, 6, e23319.	2.5	45
70	Highly sensitive rare cell detection based on quantum dot probe fluorescence analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1135-1141.	3.7	11
71	Emulsified Nanoparticles Containing Inactivated Influenza Virus and CpG Oligodeoxynucleotides Critically Influences the Host Immune Responses in Mice. <i>PLoS ONE</i> , 2010, 5, e12279.	2.5	37
72	T-Cell Response to Human Papillomavirus Type 58 L1, E6, and E7 Peptides in Women with Cleared Infection, Cervical Intraepithelial Neoplasia, or Invasive Cancer. <i>Vaccine Journal</i> , 2010, 17, 1315-1321.	3.1	7

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73	Identifying Conserved DR1501-Restricted CD4+T-Cell Epitopes in Avian H5N1 Hemagglutinin Proteins. <i>Viral Immunology</i> , 2010, 23, 585-593.	1.3	3
74	A recombinant lipoprotein containing an unsaturated fatty acid activates NF- κ B through the TLR2 signaling pathway and induces a differential gene profile from a synthetic lipopeptide. <i>Molecular Immunology</i> , 2010, 47, 2015-2021.	2.2	46
75	IL-6-transfected tumor cells modulate the status of CD8+ and CD4+ T cells to control tumor growth. <i>Immunobiology</i> , 2010, 215, 486-491.	1.9	6
76	Biochemical characterizations of Escherichia coli-expressed protective antigen Ag473 of Neisseria meningitides group B. <i>Vaccine</i> , 2010, 28, 8175-8182.	3.8	10
77	Identification of HLA-A11-restricted CTL epitopes derived from HPV type 18 using DNA immunization. <i>Cancer Biology and Therapy</i> , 2009, 8, 2025-2032.	3.4	14
78	Formulation and immunological evaluation of novel vaccine delivery systems based on bioresorbable poly(ethylene glycol)- <i>block</i> -poly(lactide- <i>co</i> - ϵ - <i>caprolactone</i>). <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 90B, 832-841.	3.4	22
79	Development of Multi-Phase Emulsions Based on Bioresorbable Polymers and Oily Adjuvant. <i>Pharmaceutical Research</i> , 2009, 26, 1856-1862.	3.5	19
80	Enhancement of potent antibody and T-cell responses by a single-dose, novel nanoemulsion-formulated pandemic influenza vaccine. <i>Microbes and Infection</i> , 2009, 11, 654-660.	1.9	17
81	A novel dengue vaccine candidate that induces cross-neutralizing antibodies and memory immunity. <i>Microbes and Infection</i> , 2009, 11, 288-295.	1.9	94
82	Immunological study of HA1 domain of hemagglutinin of influenza H5N1 virus. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 27-31.	2.1	41
83	Generating and characterizing monoclonal and polyclonal antibodies against avian H5N1 hemagglutinin protein. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 691-696.	2.1	22
84	A novel technology for the production of a heterologous lipoprotein immunogen in high yield has implications for the field of vaccine design. <i>Vaccine</i> , 2009, 27, 1400-1409.	3.8	66
85	DC-SIGN mediates avian H5N1 influenza virus infection in cis and in trans. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 561-566.	2.1	75
86	Induction of a distinct CD8 Tnc17 subset by transforming growth factor- β 2 and interleukin-6. <i>Journal of Leukocyte Biology</i> , 2007, 82, 354-360.	3.3	106
87	Identification of synthetic vaccine candidates against SARS CoV infection. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 716-721.	2.1	16
88	The Development and Application of HLA Tetramers in the Detection, Characterization and Therapy of Type 1 Diabetes Mellitus. <i>Review of Diabetic Studies</i> , 2007, 4, 56-56.	1.3	3
89	Immunological characterizations of the nucleocapsid protein based SARS vaccine candidates. <i>Vaccine</i> , 2006, 24, 3100-3108.	3.8	107
90	Identifying Epitopes Responsible for Neutralizing Antibody and DC-SIGN Binding on the Spike Glycoprotein of the Severe Acute Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2006, 80, 10315-10324.	3.4	45

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91	Combination of Conformal Radiotherapy and Intratumoral Injection of Adoptive Dendritic Cell Immunotherapy in Refractory Hepatoma. <i>Journal of Immunotherapy</i> , 2005, 28, 129-135.	2.4	189