

# Rui-Tian Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,264  
citations

201658

27  
h-index

214788

47  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient delivery of clay-based nanovaccines to the mouse spleen promotes potent anti-tumor immunity for both prevention and treatment of lymphoma. <i>Nano Research</i> , 2021, 14, 1326-1334.	10.4	26
2	The immunodominant and neutralization linear epitopes for SARS-CoV-2. <i>Cell Reports</i> , 2021, 34, 108666.	6.4	65
3	Rutin prevents tau pathology and neuroinflammation in a mouse model of Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2021, 18, 131.	7.2	78
4	Two-dimensional layered double hydroxide nanoadjuvant: recent progress and future direction. <i>Nanoscale</i> , 2021, 13, 7533-7549.	5.6	48
5	Multifunctional Superparamagnetic Iron Oxide Nanoparticles Conjugated with A $\beta$ <sup>2</sup> Oligomer-Specific scFv Antibody and Class A Scavenger Receptor Activator Show Early Diagnostic Potentials for Alzheimer's Disease. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4919-4932.	6.7	34
6	Nanovaccine's rapid induction of anti-tumor immunity significantly improves malignant cancer immunotherapy. <i>Nano Today</i> , 2020, 35, 100923.	11.9	31
7	The Role of $\beta$ -Synuclein Oligomers in Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8645.	4.1	95
8	Superparamagnetic iron oxide nanoparticles conjugated with A $\beta$ <sup>2</sup> oligomer-specific scFv antibody and class A scavenger receptor activator show therapeutic potentials for Alzheimer's Disease. <i>Journal of Nanobiotechnology</i> , 2020, 18, 160.	9.1	24
9	A novel rapid modularized hepatitis B core virus-like particle-based platform for personalized cancer vaccine preparation via fixed-point coupling. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102223.	3.3	8
10	The Toxicity and Polymorphism of $\beta$ -Amyloid Oligomers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4477.	4.1	80
11	Yeast-Based A $\beta$ <sup>1-15</sup> Vaccine Elicits Strong Immunogenicity and Attenuates Neuropathology and Cognitive Deficits in Alzheimer's Disease Transgenic Mice. <i>Vaccines</i> , 2020, 8, 351.	4.4	7
12	A biomimetic yeast shell vaccine coated with layered double hydroxides induces a robust humoral and cellular immune response against tumors. <i>Nanoscale Advances</i> , 2020, 2, 3494-3506.	4.6	7
13	Vaccines targeting the primary amino acid sequence and conformational epitope of amyloid $\beta$ had distinct effects on neuropathology and cognitive deficits in EAE/AD mice. <i>British Journal of Pharmacology</i> , 2020, 177, 2860-2871.	5.4	7
14	Ellagic acid rescues motor and cognitive deficits in the R6/2 mouse model of Huntington's disease by lowering mutant huntingtin protein. <i>Food and Function</i> , 2020, 11, 1334-1348.	4.6	9
15	A Conditionally Releasable $\alpha$ -Do not Eat Me-CD47 Signal Facilitates Microglia-Targeted Drug Delivery for the Treatment of Alzheimer's Disease. <i>Advanced Functional Materials</i> , 2020, 30, 1910691.	14.9	33
16	Development of Multifunctional Clay-Based Nanomedicine for Elimination of Primary Invasive Breast Cancer and Prevention of Its Lung Metastasis and Distant Inoculation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35566-35576.	8.0	45
17	ScFv-conjugated superparamagnetic iron oxide nanoparticles for MRI-based diagnosis in transgenic mouse models of Parkinson's and Huntington's diseases. <i>Brain Research</i> , 2019, 1707, 141-153.	2.2	36
18	Naturally occurring autoantibodies against $\beta$ -synuclein rescues memory and motor deficits and attenuates $\beta$ -synuclein pathology in mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2019, 124, 202-217.	4.4	24

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19	Resveratrol Rescues Tau-Induced Cognitive Deficits and Neuropathology in a Mouse Model of Tauopathy. <i>Current Alzheimer Research</i> , 2019, 16, 710-722.	1.4	39
20	An indoleamine 2, 3-dioxygenase siRNA nanoparticle-coated and Trp2-displayed recombinant yeast vaccine inhibits melanoma tumor growth in mice. <i>Journal of Controlled Release</i> , 2018, 273, 1-12.	9.9	31
21	Intravenous immunoglobulin improves glucose control and $\beta$ -cell function in human IAPP transgenic mice by attenuating islet inflammation and reducing IAPP oligomers. <i>International Immunopharmacology</i> , 2018, 54, 145-152.	3.8	5
22	Therapeutic vaccine against IL-1 $\beta$ improved glucose control in a mouse model of type 2 diabetes. <i>Life Sciences</i> , 2018, 192, 68-74.	4.3	13
23	Resveratrol alleviates motor and cognitive deficits and neuropathology in the A53T $\beta$ -synuclein mouse model of Parkinson's disease. <i>Food and Function</i> , 2018, 9, 6414-6426.	4.6	82
24	An oligomer-specific antibody improved motor function and attenuated neuropathology in the SOD1-G93A transgenic mouse model of ALS. <i>International Immunopharmacology</i> , 2018, 65, 413-421.	3.8	16
25	Hepatitis B core VLP-based mis-ordered tau vaccine elicits strong immune response and alleviates cognitive deficits and neuropathology progression in Tau.P301S mouse model of Alzheimer's disease and frontotemporal dementia. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 55.	6.2	28
26	Efficient co-delivery of neo-epitopes using dispersion-stable layered double hydroxide nanoparticles for enhanced melanoma immunotherapy. <i>Biomaterials</i> , 2018, 174, 54-66.	11.4	86
27	Intravenous immunoglobulin ameliorates motor and cognitive deficits and neuropathology in R6/2 mouse model of Huntington's disease by decreasing mutant huntingtin protein level and normalizing NF- $\kappa$ B signaling pathway. <i>Brain Research</i> , 2018, 1697, 21-33.	2.2	8
28	Fruitless Wolfberry-Sprout Extract Rescued Cognitive Deficits and Attenuated Neuropathology in Alzheimer's Disease Transgenic Mice. <i>Current Alzheimer Research</i> , 2018, 15, 856-868.	1.4	8
29	A mimotope of A $\beta$ oligomers may also behave as a $\beta$ -sheet inhibitor. <i>FEBS Letters</i> , 2017, 591, 3615-3624.	2.8	7
30	MgAl-layered double hydroxide nanoparticles co-delivering siIDO and Trp2 peptide effectively reduce IDO expression and induce cytotoxic T-lymphocyte responses against melanoma tumor in mice. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6266-6276.	5.8	33
31	A vaccine with A $\beta$ oligomer-specific mimotope attenuates cognitive deficits and brain pathologies in transgenic mice with Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 41.	6.2	9
32	PLGA nanoparticles modified with a BBB-penetrating peptide co-delivering A $\beta$ generation inhibitor and curcumin attenuate memory deficits and neuropathology in Alzheimer's disease mice. <i>Oncotarget</i> , 2017, 8, 81001-81013.	1.8	111
33	Interleukin-1 $\beta$ -Targeted Vaccine Improves Glucose Control and $\beta$ -Cell Function in a Diabetic KK-Ay Mouse Model. <i>PLoS ONE</i> , 2016, 11, e0154298.	2.5	12
34	A scFv antibody targeting common oligomeric epitope has potential for treating several amyloidoses. <i>Scientific Reports</i> , 2016, 6, 36631.	3.3	32
35	A Novel Multifunctional Compound Camellikaempferoside B Decreases A $\beta$ Production, Interferes with A $\beta$ Aggregation, and Prohibits A $\beta$ -Mediated Neurotoxicity and Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2016, 7, 505-518.	3.5	29
36	Naturally occurring autoantibodies against A $\beta$ oligomers exhibited more beneficial effects in the treatment of mouse model of Alzheimer's disease than intravenous immunoglobulin. <i>Neuropharmacology</i> , 2016, 105, 561-576.	4.1	25

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37	Alpha-tocopherol quinine ameliorates spatial memory deficits by reducing beta-amyloid oligomers, neuroinflammation and oxidative stress in transgenic mice with Alzheimer's disease. Behavioural Brain Research, 2016, 296, 109-117.	2.2	47
38	Rutin inhibits amylin-induced neurocytotoxicity and oxidative stress. Food and Function, 2015, 6, 3296-3306.	4.6	75
39	Pan-Amyloid Oligomer Specific scFv Antibody Attenuates Memory Deficits and Brain Amyloid Burden in Mice with Alzheimer's Disease. Current Alzheimer Research, 2014, 11, 69-78.	1.4	22
40	Activated Scavenger Receptor A Promotes Glial Internalization of A $\beta$ . PLoS ONE, 2014, 9, e94197.	2.5	29
41	Rutin improves spatial memory in Alzheimer's disease transgenic mice by reducing A $\beta$ oligomer level and attenuating oxidative stress and neuroinflammation. Behavioural Brain Research, 2014, 264, 173-180.	2.2	202
42	Decreasing oxidative stress and neuroinflammation with a multifunctional peptide rescues memory deficits in mice with Alzheimer disease. Free Radical Biology and Medicine, 2014, 74, 50-63.	2.9	50
43	Rutin inhibits A $\beta$ -amyloid aggregation and cytotoxicity, attenuates oxidative stress, and decreases the production of nitric oxide and proinflammatory cytokines. NeuroToxicology, 2012, 33, 482-490.	3.0	176
44	Conformation-dependent scFv antibodies specifically recognize the oligomers assembled from various amyloids and show colocalization of amyloid fibrils with oligomers in patients with amyloidoses. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1703-1712.	2.3	24
45	Conformation-dependent single-chain variable fragment antibodies specifically recognize beta-amyloid oligomers. FEBS Letters, 2009, 583, 579-584.	2.8	56
46	Ellagic acid promotes A $\beta$ <sup>242</sup> fibrillization and inhibits A $\beta$ <sup>242</sup> -induced neurotoxicity. Biochemical and Biophysical Research Communications, 2009, 390, 1250-1254.	2.1	93
47	Resveratrol inhibits beta-amyloid oligomeric cytotoxicity but does not prevent oligomer formation. NeuroToxicology, 2009, 30, 986-995.	3.0	259