

Yiqi Seow

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

8,731
citations

236925

25
h-index

330143

37
g-index

41
all docs

41
docs citations

41
times ranked

12377
citing authors

#	ARTICLE	IF	CITATIONS
1	Delivery of siRNA to the mouse brain by systemic injection of targeted exosomes. <i>Nature Biotechnology</i> , 2011, 29, 341-345.	17.5	3,595
2	Extracellular vesicle in vivo biodistribution is determined by cell source, route of administration and targeting. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 26316.	12.2	1,077
3	Lysosomal dysfunction increases exosome-mediated alpha-synuclein release and transmission. <i>Neurobiology of Disease</i> , 2011, 42, 360-367.	4.4	612
4	Ultrafiltration with size-exclusion liquid chromatography for high yield isolation of extracellular vesicles preserving intact biophysical and functional properties. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 879-883.	3.3	487
5	Exosome-mediated delivery of siRNA in vitro and in vivo. <i>Nature Protocols</i> , 2012, 7, 2112-2126.	12.0	484
6	Biological Gene Delivery Vehicles: Beyond Viral Vectors. <i>Molecular Therapy</i> , 2009, 17, 767-777.	8.2	282
7	Anchor peptide captures, targets, and loads exosomes of diverse origins for diagnostics and therapy. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	248
8	Cell-penetrating peptide-conjugated antisense oligonucleotides restore systemic muscle and cardiac dystrophin expression and function. <i>Human Molecular Genetics</i> , 2008, 17, 3909-3918.	2.9	200
9	Influence of microRNA deregulation on chaperone-mediated autophagy and α -synuclein pathology in Parkinson's disease. <i>Cell Death and Disease</i> , 2013, 4, e545-e545.	6.3	181
10	Accelerating the design of biomimetic materials by integrating RNA-seq with proteomics and materials science. <i>Nature Biotechnology</i> , 2013, 31, 908-915.	17.5	171
11	A fusion peptide directs enhanced systemic dystrophin exon skipping and functional restoration in dystrophin-deficient <i>mdx</i> mice. <i>Human Molecular Genetics</i> , 2009, 18, 4405-4414.	2.9	131
12	Exosome-Mediated miR-29 Transfer Reduces Muscle Atrophy and Kidney Fibrosis in Mice. <i>Molecular Therapy</i> , 2019, 27, 571-583.	8.2	130
13	Ca ²⁺ Influx through Mechanosensitive Channels Inhibits Neurite Outgrowth in Opposition to Other Influx Pathways and Release from Intracellular Stores. <i>Journal of Neuroscience</i> , 2006, 26, 5656-5664.	3.6	126
14	Pip5 Transduction Peptides Direct High Efficiency Oligonucleotide-mediated Dystrophin Exon Skipping in Heart and Phenotypic Correction in <i>mdx</i> Mice. <i>Molecular Therapy</i> , 2011, 19, 1295-1303.	8.2	120
15	Systemic Exosomal Delivery of shRNA Minicircles Prevents Parkinsonian Pathology. <i>Molecular Therapy</i> , 2019, 27, 2111-2122.	8.2	120
16	Novel RNA-based Strategies for Therapeutic Gene Silencing. <i>Molecular Therapy</i> , 2010, 18, 466-476.	8.2	116
17	The biogenesis and characterization of mammalian microRNAs of mirtron origin. <i>Nucleic Acids Research</i> , 2012, 40, 438-448.	14.5	86
18	Optimization of Peptide Nucleic Acid Antisense Oligonucleotides for Local and Systemic Dystrophin Splice Correction in the <i>mdx</i> Mouse. <i>Molecular Therapy</i> , 2010, 18, 819-827.	8.2	75

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19	Functional Rescue of Dystrophin-deficient mdx Mice by a Chimeric Peptide-PMO. <i>Molecular Therapy</i> , 2010, 18, 1822-1829.	8.2	72
20	Diaphragm rescue alone prevents heart dysfunction in dystrophic mice. <i>Human Molecular Genetics</i> , 2011, 20, 413-421.	2.9	66
21	Universal immunotherapeutic strategy for hepatocellular carcinoma with exosome vaccines that engage adaptive and innate immune responses. <i>Journal of Hematology and Oncology</i> , 2022, 15, 46.	17.0	45
22	Hexose enhances oligonucleotide delivery and exon skipping in dystrophin-deficient mdx mice. <i>Nature Communications</i> , 2016, 7, 10981.	12.8	42
23	Amelioration of systemic inflammation via the display of two different decoy protein receptors on extracellular vesicles. <i>Nature Biomedical Engineering</i> , 2021, 5, 1084-1098.	22.5	41
24	Silencing of Parkinson's disease-associated genes with artificial mirtron mimics of miR-1224. <i>Nucleic Acids Research</i> , 2012, 40, 9863-9875.	14.5	37
25	Identification of a novel muscle targeting peptide in mdx mice. <i>Peptides</i> , 2010, 31, 1873-1877.	2.4	29
26	Glycine Enhances Satellite Cell Proliferation, Cell Transplantation, and Oligonucleotide Efficacy in Dystrophic Muscle. <i>Molecular Therapy</i> , 2020, 28, 1339-1358.	8.2	25
27	Context Dependent Effects of Chimeric Peptide Morpholino Conjugates Contribute to Dystrophin Exon-skipping Efficiency. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e124.	5.1	18
28	A fluid-supported 3D hydrogel bioprinting method. <i>Biomaterials</i> , 2021, 276, 121034.	11.4	18
29	Fructose Promotes Uptake and Activity of Oligonucleotides With Different Chemistries in a Context-dependent Manner in mdx Mice. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e329.	5.1	17
30	Knockdown and replacement therapy mediated by artificial mirtrons in spinocerebellar ataxia 7. <i>Nucleic Acids Research</i> , 2017, 45, 7870-7885.	14.5	15
31	Artificial mirtron-mediated gene knockdown: Functional DMPK silencing in mammalian cells. <i>Rna</i> , 2012, 18, 1328-1337.	3.5	13
32	Clinical performance of Roche cobas 6800, Luminex ARIES, MiRXES Fortitude Kit 2.1, Altona RealStar, and Applied Biosystems TaqPath for SARS-CoV-2 detection in nasopharyngeal swabs. <i>Journal of Medical Virology</i> , 2021, 93, 4603-4607.	5.0	13
33	Identification and Characterization of an eIF4e DNA Aptamer That Inhibits Proliferation With High Throughput Sequencing. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e217.	5.1	10
34	Functional VEGFA knockdown with artificial 3'-tailed mirtrons defined by 5' splice site and branch point. <i>Nucleic Acids Research</i> , 2015, 43, 6568-6578.	14.5	8
35	Smad4-binding decoy reduces extracellular matrix expression in human hypertrophic scar fibroblasts. <i>Molecular Medicine Reports</i> , 2020, 22, 4589-4600.	2.4	3
36	Cardiorespiratory and phenotypic rescue of dystrophin/utrophin-deficient mice by combination therapy. <i>EMBO Reports</i> , 2022, , e53955.	4.5	3

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37	BNT162B2 COVID-19 mRNA vaccination did not promote substantial anti-syncytin-1 antibody production nor mRNA transfer to breast milk in an exploratory pilot study. <i>Annals of the Academy of Medicine, Singapore</i> , 2022, 51, 309-312.	0.4	0