

Omar F Khan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9005657/publications.pdf>

Version: 2024-02-01

33
papers

2,989
citations

236612

25
h-index

395343

33
g-index

35
all docs

35
docs citations

35
times ranked

5882
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo endothelial siRNA delivery using polymeric nanoparticles with low molecular weight. <i>Nature Nanotechnology</i> , 2014, 9, 648-655.	15.6	466
2	Dendrimer-RNA nanoparticles generate protective immunity against lethal Ebola, H1N1 influenza, and <i>Toxoplasma gondii</i> challenges with a single dose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4133-42.	3.3	320
3	Proliferation and Recruitment Contribute to Myocardial Macrophage Expansion in Chronic Heart Failure. <i>Circulation Research</i> , 2016, 119, 853-864.	2.0	318
4	Small RNA combination therapy for lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3553-61.	3.3	210
5	RNAi targeting multiple cell adhesion molecules reduces immune cell recruitment and vascular inflammation after myocardial infarction. <i>Science Translational Medicine</i> , 2016, 8, 342ra80.	5.8	169
6	A Perspective on the Clinical Translation of Scaffolds for Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2015, 43, 641-656.	1.3	167
7	Ly6Clo monocytes drive immunosuppression and confer resistance to anti-VEGFR2 cancer therapy. <i>Journal of Clinical Investigation</i> , 2017, 127, 3039-3051.	3.9	124
8	Genetic and hypoxic alterations of the microRNA-ISCU 1/2 axis promote iron-sulfur deficiency and pulmonary hypertension. <i>EMBO Molecular Medicine</i> , 2015, 7, 695-713.	3.3	120
9	Dendrimer-Inspired Nanomaterials for the <i>In Vivo</i> Delivery of siRNA to Lung Vasculature. <i>Nano Letters</i> , 2015, 15, 3008-3016.	4.5	113
10	Multiplexed RNAi therapy against brain tumor-initiating cells via lipopolymeric nanoparticle infusion delays glioblastoma progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6147-E6156.	3.3	102
11	Endothelial siRNA delivery in nonhuman primates using ionizable low-molecular weight polymeric nanoparticles. <i>Science Advances</i> , 2018, 4, eaar8409.	4.7	81
12	Ionizable Amphiphilic Dendrimer-Based Nanomaterials with Alkyl-Substituted Amines for Tunable siRNA Delivery to the Liver Endothelium <i>In Vivo</i> . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14397-14401.	7.2	80
13	Nanoparticle-encapsulated siRNAs for gene silencing in the haematopoietic stem-cell niche. <i>Nature Biomedical Engineering</i> , 2020, 4, 1076-1089.	11.6	80
14	Endothelialized biomaterials for tissue engineering applications <i>in vivo</i> . <i>Trends in Biotechnology</i> , 2011, 29, 379-387.	4.9	75
15	Endothelial miR-30c suppresses tumor growth via inhibition of TGF- β -induced Serpine1. <i>Journal of Clinical Investigation</i> , 2019, 129, 1654-1670.	3.9	60
16	MicroRNA regulation of endothelial TREX1 reprograms the tumour microenvironment. <i>Nature Communications</i> , 2016, 7, 13597.	5.8	54
17	BOLA (Bola Family Member 3) Deficiency Controls Endothelial Metabolism and Glycine Homeostasis in Pulmonary Hypertension. <i>Circulation</i> , 2019, 139, 2238-2255.	1.6	54
18	Lipid-Like Nanomaterials for Simultaneous Gene Expression and Silencing <i>In Vivo</i> . <i>Advanced Healthcare Materials</i> , 2014, 3, 1392-1397.	3.9	53

#	ARTICLE	IF	CITATIONS
19	Endothelial cell behaviour within a microfluidic mimic of the flow channels of a modular tissue engineered construct. <i>Biomedical Microdevices</i> , 2011, 13, 69-87.	1.4	51
20	Macrophage Notch Ligand Delta-Like 4 Promotes Vein Graft Lesion Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2343-2353.	1.1	43
21	Frataxin deficiency promotes endothelial senescence in pulmonary hypertension. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	38
22	MicroRNA 139-5p coordinates APLNR-CXCR4 crosstalk during vascular maturation. <i>Nature Communications</i> , 2016, 7, 11268.	5.8	37
23	Toward an In Vitro Vasculature: Differentiation of Mesenchymal Stromal Cells Within an Endothelial Cell-Seeded Modular Construct in a Microfluidic Flow Chamber. <i>Tissue Engineering - Part A</i> , 2012, 18, 744-756.	1.6	31
24	A Novel High-Speed Production Process to Create Modular Components for the Bottom-Up Assembly of Large-Scale Tissue-Engineered Constructs. <i>Advanced Healthcare Materials</i> , 2015, 4, 113-120.	3.9	27
25	MicroRNA regulation of the MRN complex impacts DNA damage, cellular senescence, and angiogenic signaling. <i>Cell Death and Disease</i> , 2018, 9, 632.	2.7	27
26	Perfusion and characterization of an endothelial cell-seeded modular tissue engineered construct formed in a microfluidic remodeling chamber. <i>Biomaterials</i> , 2010, 31, 8254-8261.	5.7	26
27	Polymeric mechanical amplifiers of immune cytokine-mediated apoptosis. <i>Nature Communications</i> , 2017, 8, 14179.	5.8	26
28	Patterning Collagen/Poloxamine-Methacrylate Hydrogels for Tissue-Engineering-Inspired Microfluidic and Laser Lithography Applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 2499-2514.	1.9	9
29	Fabrication of Micro-tissues using Modules of Collagen Gel Containing Cells. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	8
30	MMP levels in the response to degradable implants in the presence of a hydroxamate-based matrix metalloproteinase sequestering biomaterial <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1368-1379.	2.1	4
31	Nucleic acid delivery differences across species. <i>Nature Nanotechnology</i> , 2022, , .	15.6	3
32	Multiplexed nanomedicine for brain tumors: nanosized Hercules to tame our Lernaean Hydra inside?. <i>Nanomedicine</i> , 2017, 12, 2435-2439.	1.7	1
33	Vascularized Muscle Flap to Reduce Wound Breakdown During Flexible Electrode-Mediated Functional Electrical Stimulation After Peripheral Nerve Injury. <i>Frontiers in Neurology</i> , 2020, 11, 644.	1.1	1