

# Chuanxu Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,267  
citations

361388

20  
h-index

454934

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disregarded determinant role of transfection medium in chitosan mediated siRNA delivery. <i>Materials and Design</i> , 2022, 219, 110748.	7.0	0
2	Identification of a potent ionizable lipid for efficient macrophage transfection and systemic anti-interleukin-1 $\beta$ siRNA delivery against acute liver failure. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5136-5149.	5.8	10
3	Boosting ionizable lipid nanoparticle-mediated <i>in vivo</i> mRNA delivery through optimization of lipid amine-head groups. <i>Biomaterials Science</i> , 2021, 9, 7534-7546.	5.4	19
4	Acoustically responsive polydopamine nanodroplets: A novel theranostic agent. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104782.	8.2	27
5	Identification and Nanomechanical Characterization of the HIV Tat $\alpha$ Amyloid $\beta$ Peptide Multifibrillar Structures. <i>Chemistry - A European Journal</i> , 2020, 26, 9449-9453.	3.3	1
6	Lipidoid-siRNA Nanoparticle-Mediated IL-1 $\beta$ Gene Silencing for Systemic Arthritis Therapy in a Mouse Model. <i>Molecular Therapy</i> , 2019, 27, 1424-1435.	8.2	34
7	Selective Delivery of Doxorubicin to EGFR <sup>+</sup> Cancer Cells by Cetuximab $\alpha$ DNA Conjugates. <i>ChemBioChem</i> , 2019, 20, 1014-1018.	2.6	19
8	Calcium $\alpha$ MicroRNA Complex-Functionalized Nanotubular Implant Surface for Highly Efficient Transfection and Enhanced Osteogenesis of Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7756-7764.	8.0	20
9	Theranostic Niosomes for Efficient siRNA/MicroRNA Delivery and Activatable Near-Infrared Fluorescent Tracking of Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19494-19503.	8.0	40
10	Autophagy plays a dual role during intracellular siRNA delivery by lipoplex and polyplex nanoparticles. <i>Acta Biomaterialia</i> , 2017, 58, 196-204.	8.3	21
11	Impact of PEG Chain Length on the Physical Properties and Bioactivity of PEGylated Chitosan/siRNA Nanoparticles <i>In Vitro</i> and <i>In Vivo</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 12203-12216.	8.0	92
12	Theranostic poly(lactic-co-glycolic acid) nanoparticle for magnetic resonance/infrared fluorescence bimodal imaging and efficient siRNA delivery to macrophages and its evaluation in a kidney injury model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2451-2462.	3.3	27
13	Chitosan/siRNA functionalized titanium surface via a layer-by-layer approach for <i>in vitro</i> sustained gene silencing and osteogenic promotion. <i>International Journal of Nanomedicine</i> , 2015, 10, 2335.	6.7	32
14	Chitosan/siRNA Nanoparticles Targeting Cyclooxygenase Type 2 Attenuate Unilateral Ureteral Obstruction-induced Kidney Injury in Mice. <i>Theranostics</i> , 2015, 5, 110-123.	10.0	72
15	Serum-induced degradation of 3D DNA box origami observed with high-speed atomic force microscopy. <i>Nano Research</i> , 2015, 8, 2170-2178.	10.4	24
16	Ultrastable green fluorescence carbon dots with a high quantum yield for bioimaging and use as theranostic carriers. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4577-4584.	5.8	51
17	Enhanced efficacy of chemotherapy for breast cancer stem cells by simultaneous suppression of multidrug resistance and antiapoptotic cellular defense. <i>Acta Biomaterialia</i> , 2015, 28, 171-182.	8.3	49
18	Co-delivery of siRNA and doxorubicin to cancer cells from additively manufactured implants. <i>RSC Advances</i> , 2015, 5, 101718-101725.	3.6	13

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19	Theranostic carbon dots derived from garlic with efficient anti-oxidative effects towards macrophages. <i>RSC Advances</i> , 2015, 5, 97836-97840.	3.6	22
20	Macrophage-mediated nanoparticle delivery to the periodontal lesions in established murine model via P-glycoprotein-LPS induction. <i>Journal of Oral Pathology and Medicine</i> , 2015, 44, 538-542.	2.7	9
21	Megalin-Mediated Specific Uptake of Chitosan/siRNA Nanoparticles in Mouse Kidney Proximal Tubule Epithelial Cells Enables AQP1 Gene Silencing. <i>Theranostics</i> , 2014, 4, 1039-1051.	10.0	83
22	Chitosan Hydrogel as siRNA vector for prolonged gene silencing. <i>Journal of Nanobiotechnology</i> , 2014, 12, 23.	9.1	49
23	Sialic Acid Residues Are Essential for Cell Lysis Mediated by Leukotoxin from <i>Aggregatibacter actinomycetemcomitans</i> . <i>Infection and Immunity</i> , 2014, 82, 2219-2228.	2.2	18
24	Folic acid conjugated chitosan for targeted delivery of siRNA to activated macrophages in vitro and in vivo. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8608-8615.	5.8	69
25	The influence of crystallite size and crystallinity of anatase nanoparticles on the photo-degradation of phenol. <i>Journal of Catalysis</i> , 2014, 310, 100-108.	6.2	138
26	Self-assembled nanoparticles of modified-chitosan conjugates for the sustained release of dl- $\alpha$ -tocopherol. <i>Carbohydrate Polymers</i> , 2013, 92, 856-864.	10.2	23
27	Peritoneal macrophages mediated delivery of chitosan/siRNA nanoparticle to the lesion site in a murine radiation-induced fibrosis model. <i>Acta Oncologica</i> , 2013, 52, 1730-1738.	1.8	22
28	Differential effects of Smad3 targeting in a murine model of chronic kidney disease. <i>Physiological Reports</i> , 2013, 1, e00181.	1.7	13
29	Optimized siRNA-PEG Conjugates for Extended Blood Circulation and Reduced Urine Excretion in Mice. <i>Theranostics</i> , 2013, 3, 201-209.	10.0	88
30	Chitosan/siRNA Nanoparticles Encapsulated in PLGA Nanofibers for siRNA Delivery. <i>ACS Nano</i> , 2012, 6, 4835-4844.	14.6	181