

Chuanxu Yang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,267
citations

361413
20
h-index

454955
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 β 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 α -Amyloid β Peptide Multifibrillar Structures. <i>Chemistry - A European Journal</i> , 2020, 26, 9449-9453.	3.3	1
6	Lipidoid-siRNA Nanoparticle-Mediated IL-1 β 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 ⁺ Cancer Cells by Cetuximab α -DNA Conjugates. <i>ChemBioChem</i> , 2019, 20, 1014-1018.	2.6	19
8	Calcium α -MicroRNA Complex-Functionalized Nanotubular Implant Surface for Highly Efficient Transfection and Enhanced Osteogenesis of Mesenchymal Stem Cells. <i>ACS Applied Materials & 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 & 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 in Vitro and in Vivo. <i>ACS Applied Materials & 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 in vitro 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. RSC Advances, 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. Journal of Oral Pathology and Medicine, 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. Theranostics, 2014, 4, 1039-1051.	10.0	83
22	Chitosan Hydrogel as siRNA vector for prolonged gene silencing. Journal of Nanobiotechnology, 2014, 12, 23.	9.1	49
23	Sialic Acid Residues Are Essential for Cell Lysis Mediated by Leukotoxin from Aggregatibacter actinomycetemcomitans. Infection and Immunity, 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. Journal of Materials Chemistry B, 2014, 2, 8608-8615.	5.8	69
25	The influence of crystallite size and crystallinity of anatase nanoparticles on the photo-degradation of phenol. Journal of Catalysis, 2014, 310, 100-108.	6.2	138
26	Self-assembled nanoparticles of modified-chitosan conjugates for the sustained release of dl- α -tocopherol. Carbohydrate Polymers, 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. Acta Oncologica, 2013, 52, 1730-1738.	1.8	22
28	Differential effects of Smad3 targeting in a murine model of chronic kidney disease. Physiological Reports, 2013, 1, e00181.	1.7	13
29	Optimized siRNA-PEG Conjugates for Extended Blood Circulation and Reduced Urine Excretion in Mice. Theranostics, 2013, 3, 201-209.	10.0	88
30	Chitosan/siRNA Nanoparticles Encapsulated in PLGA Nanofibers for siRNA Delivery. ACS Nano, 2012, 6, 4835-4844.	14.6	181