Zhenghong Xu

List of Publications by Year
in descending order

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31 papers	2,346 citations	236925 25 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	3609 citing authors

#	Article	IF	Citations
1	Nanoparticle-Delivered Transforming Growth Factor-Î² siRNA Enhances Vaccination against Advanced Melanoma by Modifying Tumor Microenvironment. ACS Nano, 2014, 8, 3636-3645.	14.6	253
2	Multifunctional nanoparticles co-delivering Trp2 peptide and CpG adjuvant induce potent cytotoxic T-lymphocyte response against melanoma and its lung metastasis. Journal of Controlled Release, 2013, 172, 259-265.	9.9	199
3	Intravenous Delivery of siRNA Targeting CD47 Effectively Inhibits Melanoma Tumor Growth and Lung Metastasis. Molecular Therapy, 2013, 21, 1919-1929.	8.2	165
4	Co-delivery of Cisplatin and Rapamycin for Enhanced Anticancer Therapy through Synergistic Effects and Microenvironment Modulation. ACS Nano, 2014, 8, 4996-5009.	14.6	163
5	In vitro and in vivo evaluation of actively targetable nanoparticles for paclitaxel delivery. International Journal of Pharmaceutics, 2005, 288, 361-368.	5.2	139
6	Arginine-chitosan/DNA self-assemble nanoparticles for gene delivery: In vitro characteristics and transfection efficiency. International Journal of Pharmaceutics, 2008, 359, 241-246.	5.2	139
7	mRNA Vaccine with Antigen-Specific Checkpoint Blockade Induces an Enhanced Immune Response against Established Melanoma. Molecular Therapy, 2018, 26, 420-434.	8.2	132
8	Lipid-Coated Cisplatin Nanoparticles Induce Neighboring Effect and Exhibit Enhanced Anticancer Efficacy. ACS Nano, 2013, 7, 9896-9904.	14.6	125
9	The rebalanced pathway significantly enhances acetoin production by disruption of acetoin reductase gene and moderate-expression of a new water-forming NADH oxidase in Bacillus subtilis. Metabolic Engineering, 2014, 23, 34-41.	7.0	98
10	Lipidâ€“calcium phosphate nanoparticles for delivery to the lymphatic system and SPECT/CT imaging of lymph node metastases. Biomaterials, 2014, 35, 4688-4698.	11.4	97
11	Curcumin Micelles Remodel Tumor Microenvironment and Enhance Vaccine Activity in an Advanced Melanoma Model. Molecular Therapy, 2016, 24, 364-374.	8.2	86
12	The Cytochrome P450 Epoxygenase Pathway Regulates the Hepatic Inflammatory Response in Fatty Liver Disease. PLoS ONE, 2014, 9, e110162.	2.5	79
13	Metabolic engineering strategies for acetoin and 2,3-butanediol production: advances and prospects. Critical Reviews in Biotechnology, 2017, 37, 990-1005.	9.0	77
14	Nanoparticle delivery of CDDO-Me remodels the tumor microenvironment and enhances vaccine therapy for melanoma. Biomaterials, 2015, 68, 54-66.	11.4	69
15	Efficient Whole-Cell Biocatalyst for Acetoin Production with NAD+ Regeneration System through Homologous Co-Expression of 2,3-Butanediol Dehydrogenase and NADH Oxidase in Engineered Bacillus subtilis. PLoS ONE, 2014, 9, e102951.	2.5	48
16	Improvement of the intracellular environment for enhancing l-arginine production of Corynebacterium glutamicum by inactivation of H2O2-forming flavin reductases and optimization of ATP supply. Metabolic Engineering, 2016, 38, 310-321.	7.0	48
17	Enhanced 2,3-butanediol production from biodiesel-derived glycerol by engineering of cofactor regeneration and manipulating carbon flux in Bacillus amyloliquefaciens. Microbial Cell Factories, 2015, 14, 122.	4.0	47
18	Improved Production of 2,3-Butanediol in Bacillus amyloliquefaciens by Over-Expression of Glyceraldehyde-3-Phosphate Dehydrogenase and 2,3-butanediol Dehydrogenase. PLoS ONE, 2013, 8, e76149.	2.5	46

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19	Moderate expression of the transcriptional regulator ALsR enhances acetoin production by Bacillus subtilis. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 1067-1076.	3.0	43
20	Efficient testosterone production by engineered Pichia pastoris co-expressing human 17Î²-hydroxysteroid dehydrogenase type 3 and Saccharomyces cerevisiae glucose 6-phosphate dehydrogenase with NADPH regeneration. Green Chemistry, 2016, 18, 1774-1784.	9.0	43
21	l-Serine overproduction with minimization of by-product synthesis by engineered Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 2015, 99, 1665-1673.	3.6	42
22	A multifunctional nano device as non-viral vector for gene delivery: In vitro characteristics and transfection. Journal of Controlled Release, 2007, 118, 381-388.	9.9	33
23	Metabolic engineering of Bacillus subtilis for redistributing the carbon flux to 2,3-butanediol by manipulating NADH levels. Biotechnology for Biofuels, 2015, 8, 129.	6.2	32
24	Mutation breeding of acetoin high producing Bacillus subtilis blocked in 2,3-butanediol dehydrogenase. World Journal of Microbiology and Biotechnology, 2013, 29, 1783-1789.	3.6	30
25	Two-Stage pH Control Strategy Based on the pH Preference of Acetoin Reductase Regulates Acetoin and 2,3-Butanediol Distribution in Bacillus subtilis. PLoS ONE, 2014, 9, e91187.	2.5	30
26	Turning a water and oil insoluble cisplatin derivative into a nanoparticle formulation for cancer therapy. Biomaterials, 2014, 35, 7647-7653.	11.4	22
27	Identification of steroid C27 monooxygenase isoenzymes involved in sterol catabolism and stepwise pathway engineering of Mycobacterium neoaurum for improved androst-1,4-diene-3,17-dione production. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 635-647.	3.0	21
28	Economic conversion of spirit-based distillersâ€™ grain to 2,3-butanediol by Bacillus amyloliquefaciens. Process Biochemistry, 2015, 50, 20-23.	3.7	20
29	Extreme low dose of 5-fluorouracil reverses MDR in cancer by sensitizing cancer associated fibroblasts and down-regulating P-gp. PLoS ONE, 2017, 12, e0180023.	2.5	12
30	Transferrin-mediated PEGylated nanoparticles for delivery of DNA/PLL. Nanotechnology, 2006, 17, 4148-4155.	2.6	7
31	Reply to â€œOn the Mechanism and Benefit of siRNA-mediated Targeting of CD47 in Cancerâ€• Molecular Therapy, 2013, 21, 1812-1813.	8.2	1