

Li-Yu Sung

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,236
citations

471061

17
h-index

839053

18
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18
all docs

18
docs citations

18
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-Cas9 for the genome engineering of cyanobacteria and succinate production. <i>Metabolic Engineering</i> , 2016, 38, 293-302.	3.6	181
2	CRISPR interference (CRISPRi) for gene regulation and succinate production in cyanobacterium <i>S. elongatus</i> PCC 7942. <i>Microbial Cell Factories</i> , 2016, 15, 196.	1.9	128
3	Osteogenic differentiation of adipose-derived stem cells and calvarial defect repair using baculovirus-mediated co-expression of BMP-2 and miR-148b. <i>Biomaterials</i> , 2014, 35, 4901-4910.	5.7	118
4	Enhanced integration of large DNA into <i>E. coli</i> chromosome by CRISPR/Cas9. <i>Biotechnology and Bioengineering</i> , 2017, 114, 172-183.	1.7	87
5	The use of ASCs engineered to express BMP2 or TGF- β 3 within scaffold constructs to promote calvarial bone repair. <i>Biomaterials</i> , 2013, 34, 9401-9412.	5.7	85
6	Augmented healing of critical-size calvarial defects by baculovirus-engineered MSCs that persistently express growth factors. <i>Biomaterials</i> , 2012, 33, 3682-3692.	5.7	80
7	Regenerating Cartilages by Engineered ASCs: Prolonged TGF- β 3/BMP-6 Expression Improved Articular Cartilage Formation and Restored Zonal Structure. <i>Molecular Therapy</i> , 2014, 22, 186-195.	3.7	76
8	Efficient gene delivery into cell lines and stem cells using baculovirus. <i>Nature Protocols</i> , 2014, 9, 1882-1899.	5.5	76
9	Combining CRISPR and CRISPRi Systems for Metabolic Engineering of <i>E. coli</i> and 1,4-BDO Biosynthesis. <i>ACS Synthetic Biology</i> , 2017, 6, 2350-2361.	1.9	76
10	Modulation of chondrocyte phenotype via baculovirus-mediated growth factor expression. <i>Biomaterials</i> , 2007, 28, 3437-3447.	5.7	59
11	Enhanced and prolonged baculovirus-mediated expression by incorporating recombinase system and in cis elements: a comparative study. <i>Nucleic Acids Research</i> , 2013, 41, e139-e139.	6.5	46
12	Xenotransplantation of Human Mesenchymal Stem Cells into Immunocompetent Rats for Calvarial Bone Repair. <i>Tissue Engineering - Part A</i> , 2010, 16, 479-488.	1.6	43
13	Enhanced critical-size calvarial bone healing by ASCs engineered with Cre/loxP-based hybrid baculovirus. <i>Biomaterials</i> , 2017, 124, 1-11.	5.7	40
14	Healing of massive segmental femoral bone defects in minipigs by allogenic ASCs engineered with FLPo/Frt-based baculovirus vectors. <i>Biomaterials</i> , 2015, 50, 98-106.	5.7	37
15	Enhancing Protein Production Yield from Chinese Hamster Ovary Cells by CRISPR Interference. <i>ACS Synthetic Biology</i> , 2017, 6, 1509-1519.	1.9	31
16	Combining orthogonal CRISPR and CRISPRi systems for genome engineering and metabolic pathway modulation in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2019, 116, 1066-1079.	1.7	29
17	Improved calvarial bone repair by hASCs engineered with Cre/loxP-based baculovirus conferring prolonged BMP-2 and MiR-148b co-expression. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3068-3077.	1.3	27
18	Baculovirus-Mediated Growth Factor Expression in Dedifferentiated Chondrocytes Accelerates Redifferentiation: Effects of Combinational Transduction. <i>Tissue Engineering - Part A</i> , 2009, 15, 1353-1362.	1.6	17