Simmyung Yook

List of Publications by Year
in descending order

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42 papers	1,190 citations	331670 21 h-index	395702 33 g-index
42 all docs	42 docs citations	42 times ranked	1516 citing authors

#	Article	IF	Citations
1	Cetuximab-anchored gold nanorod mediated photothermal ablation of breast cancer cell in spheroid model embedded with tumor associated macrophage. Journal of Industrial and Engineering Chemistry, 2022, 106, 177-188.	5.8	5
2	Enhancement of bloodâ€“brain barrier penetration and the neuroprotective effect of resveratrol. Journal of Controlled Release, 2022, 346, 1-19.	9.9	26
3	Triple-negative breast cancer treatment meets nanoparticles: Current status and future direction. Journal of Drug Delivery Science and Technology, 2022, 71, 103274.	3.0	2
4	Photoimmunotherapy with cetuximab-conjugated gold nanorods reduces drug resistance in triple negative breast cancer spheroids with enhanced infiltration of tumor-associated macrophages. Journal of Controlled Release, 2021, 329, 645-664.	9.9	29
5	Immunotherapeutic strategies for the treatment of ovarian cancer: current status and future direction. Journal of Industrial and Engineering Chemistry, 2021, 94, 62-77.	5.8	11
6	Particulateâ€Based Singleâ€Dose Local Immunosuppressive Regimen for Inducing Tolerogenic Dendritic Cells in Xenogeneic Islet Transplantation. Advanced Healthcare Materials, 2021, 10, e2001157.	7.6	12
7	Bio-Inspired and Smart Nanoparticles for Triple Negative Breast Cancer Microenvironment. Pharmaceutics, 2021, 13, 287.	4.5	18
8	Surfaceâ€Triggered In Situ Gelation for Tunable Conformal Hydrogel Coating of Therapeutic Cells and Biomedical Devices. Advanced Functional Materials, 2021, 31, 2010169.	14.9	11
9	Heterospheroid formation improves therapeutic efficacy of mesenchymal stem cells in murine colitis through immunomodulation and epithelial regeneration. Biomaterials, 2021, 271, 120752.	11.4	18
10	Localized therapy using anti-PD-L1 anchored and NIR-responsive hollow gold nanoshell (HGNS) loaded with doxorubicin (DOX) for the treatment of locally advanced melanoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 33, 102349.	3.3	17
11	Development of immunotherapy and nanoparticles-based strategies for the treatment of Parkinsonâ€™s disease. Journal of Pharmaceutical Investigation, 2021, 51, 465-481.	5.3	13
12	Hypoxia-Mediated ROS Amplification Triggers Mitochondria-Mediated Apoptotic Cell Death via PD-L1/ROS-Responsive, Dual-Targeted, Drug-Laden Thioketal Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 22955-22969.	8.0	23
13	Hydrogel Coatings: Surfaceâ€Triggered In Situ Gelation for Tunable Conformal Hydrogel Coating of Therapeutic Cells and Biomedical Devices (Adv. Funct. Mater. 21/2021). Advanced Functional Materials, 2021, 31, 2170153.	14.9	1
14	The impact of locally-delivered tacrolimus-releasing microspheres and polyethylene glycol-based islet surface modification on xenogeneic islet survival. Journal of Controlled Release, 2021, 336, 274-284.	9.9	10
15	Recent progress in stimuli-responsive nanosystems for inducing immunogenic cell death. Journal of Controlled Release, 2021, 337, 505-520.	9.9	41
16	Immunomodulation effect of mesenchymal stem cells in islet transplantation. Biomedicine and Pharmacotherapy, 2021, 142, 112042.	5.6	12
17	Enhanced Caspase-Mediated Abrogation of Autophagy by Temozolomide-Loaded and Panitumumab-Conjugated Poly(lactic-co-glycolic acid) Nanoparticles in Epidermal Growth Factor Receptor Overexpressing Glioblastoma Cells. Molecular Pharmaceutics, 2020, 17, 4386-4400.	4.6	25
18	Cetuximab conjugated temozolomide-loaded poly (lactic-co-glycolic acid) nanoparticles for targeted nanomedicine in EGFR overexpressing cancer cells. Journal of Drug Delivery Science and Technology, 2020, 60, 101928.	3.0	29

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19	Immunoadjuvants for cancer immunotherapy: A review of recent developments. Acta Biomaterialia, 2020, 114, 16-30.	8.3	78
20	Single-dose intraperitoneal delivery of FK506-encapsulated polymeric microspheres for the alleviation of murine colitis. Journal of Industrial and Engineering Chemistry, 2020, 91, 121-128.	5.8	6
21	Local release of NECA (5â€²-(N-ethylcarboxamido)adenosine) from implantable polymeric sheets for enhanced islet revascularization in extrahepatic transplantation site. Journal of Controlled Release, 2020, 321, 509-518.	9.9	10
22	Engineering â€œcell-particle hybridsâ€•of pancreatic islets and bioadhesive FK506-loaded polymeric microspheres for local immunomodulation in xenogeneic islet transplantation. Biomaterials, 2019, 221, 119415.	11.4	22
23	Polymeric and lipid-based drug delivery systems for treatment of glioblastoma multiforme. Journal of Industrial and Engineering Chemistry, 2019, 79, 261-273.	5.8	30
24	Intraportally delivered stem cell spheroids localize in the liver and protect hepatocytes against GalN/LPS-induced fulminant hepatic toxicity. Stem Cell Research and Therapy, 2019, 10, 230.	5.5	20
25	Inflammation-triggered local drug release ameliorates colitis by inhibiting dendritic cell migration and Th1/Th17 differentiation. Journal of Controlled Release, 2019, 316, 138-149.	9.9	31
26	Doxorubicin and Anti-PD-L1 Antibody Conjugated Gold Nanoparticles for Colorectal Cancer Photochemotherapy. Molecular Pharmaceutics, 2019, 16, 1184-1199.	4.6	117
27	Polydopamine-tailored paclitaxel-loaded polymeric microspheres with adhered NIR-controllable gold nanoparticles for chemo-phototherapy of pancreatic cancer. Drug Delivery, 2019, 26, 629-640.	5.7	44
28	Tissue adhesive FK506â€“loaded polymeric nanoparticles for multiâ€“layered nanoâ€“shielding of pancreatic islets to enhance xenograft survival in a diabetic mouse model. Biomaterials, 2018, 154, 182-196.	11.4	43
29	Current Applications of Gold Nanoparticles for Medical Imaging and as Treatment Agents for Managing Pancreatic Cancer. Macromolecular Research, 2018, 26, 955-964.	2.4	29
30	Polymeric microsphere-facilitated site-specific delivery of quercetin prevents senescence of pancreatic islets in vivo and improves transplantation outcomes in mouse model of diabetes. Acta Biomaterialia, 2018, 75, 287-299.	8.3	29
31	A three-dimensional assemblage of gingiva-derived mesenchymal stem cells and NO-releasing microspheres for improved differentiation. International Journal of Pharmaceutics, 2017, 520, 163-172.	5.2	16
32	Local Radiation Treatment of HER2-Positive Breast Cancer Using Trastuzumab-Modified Gold Nanoparticles Labeled with 177Lu. Pharmaceutical Research, 2017, 34, 579-590.	3.5	61
33	Single synchronous delivery of FK506-loaded polymeric microspheres with pancreatic islets for the successful treatment of streptozocin-induced diabetes in mice. Drug Delivery, 2017, 24, 1350-1359.	5.7	29
34	Engineered islet cell clusters transplanted into subcutaneous space are superior to pancreatic islets in diabetes. FASEB Journal, 2017, 31, 5111-5121.	0.5	19
35	Dose optimization of tacrolimus for improving survival time of PEGylated islets in a rat-to-mouse xenograft model. Macromolecular Research, 2016, 24, 1047-1054.	2.4	1
36	Intratumorally Injected ¹⁷⁷Lu-Labeled Gold Nanoparticles: Gold Nanoseed Brachytherapy with Application for Neoadjuvant Treatment of Locally Advanced Breast Cancer. Journal of Nuclear Medicine, 2016, 57, 936-942.	5.0	92

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37	Stability and Biodistribution of Thiol-Functionalized and ¹⁷⁷Lu-Labeled Metal Chelating Polymers Bound to Gold Nanoparticles. Biomacromolecules, 2016, 17, 1292-1302.	5.4	32
38	Radiation Nanomedicine for EGFR-Positive Breast Cancer: Panitumumab-Modified Gold Nanoparticles Complexed to the Î²-Particle-Emitter, ¹⁷⁷Lu. Molecular Pharmaceutics, 2015, 12, 3963-3972.	4.6	67
39	Improvement of beta cell function in intraportal transplantation of islet cell cluster using secretion signal peptide-linked exendin-4 gene. Macromolecular Research, 2014, 22, 901-906.	2.4	0
40	Molecularly Engineered Islet Cell Clusters for Diabetes Mellitus Treatment. Cell Transplantation, 2012, 21, 1775-1789.	2.5	11
41	Surface modification of pancreatic islets using heparin-DOPA conjugate and anti-CD154 mAb for the prolonged survival of intrahepatic transplanted islets in a xenograft model. Biomaterials, 2012, 33, 295-303.	11.4	50
42	Surface camouflage of pancreatic islets using 6-arm-PEG-catechol in combined therapy with tacrolimus and anti-CD154 monoclonal antibody for xenotransplantation. Biomaterials, 2011, 32, 7961-7970.	11.4	50