Kyung-Ho Roh

List of Publications by Year
in descending order

24 papers	1,985 citations	686830 13 h-index	713013 21 g-index
26 all docs	26 docs citations	26 times ranked	3092 citing authors

#	Article	IF	Citations
1	Calcium signaling on Jurkat T cells induced by microbeads coated with novel peptide ligands specific to human CD3Îµ. Journal of Materials Chemistry B, 2021, 9, 1661-1675.	2.9	2
2	Targeted Association and Intracellular Delivery of Nanocargoes into Primary T Lymphocytes via Interleukin-2 Receptor-Mediated Endocytosis. Bioconjugate Chemistry, 2021, 32, 1675-1687.	1.8	0
3	Contextual reprogramming of CAR-T cells for treatment of HER2+ cancers. Journal of Translational Medicine, 2021, 19, 459.	1.8	11
4	Aeroelastic Characterization of Real and Artificial Monarch Butterfly Wings. , 2020, , .		9
5	Calcium enhances polyplex-mediated transfection efficiency of plasmid DNA in Jurkat cells. Drug Delivery, 2020, 27, 805-815.	2.5	11
6	Preparation and characterization of an in situ crosslinkable glycol chitosan thermogel for biomedical applications. Journal of Industrial and Engineering Chemistry, 2019, 80, 820-828.	2.9	10
7	Oxime Cross-Linked Alginate Hydrogels with Tunable Stress Relaxation. Biomacromolecules, 2019, 20, 4419-4429.	2.6	42
8	A synthetic stroma-free germinal center niche for efficient generation of humoral immunity exÂvivo. Biomaterials, 2018, 164, 106-120.	5.7	9
9	Artificial Methods for T Cell Activation: Critical Tools in T Cell Biology and T Cell Immunotherapy. Advances in Experimental Medicine and Biology, 2018, 1064, 207-219.	0.8	3
10	Engineering approaches for regeneration of T lymphopoiesis. Biomaterials Research, 2016, 20, 20.	3.2	12
11	Biomanufacturing of Therapeutic Cells: State of the Art, Current Challenges, and Future Perspectives. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 455-478.	3.3	56
12	The coreceptor CD4 is expressed in distinct nanoclusters and does not colocalize with T-cell receptor and active protein tyrosine kinase p56lck. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1604-13.	3.3	66
13	An initial and rapid step of lytic granule secretion precedes microtubule organizing center polarization at the cytotoxic T lymphocyte/target cell synapse. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6073-6078.	3.3	90
14	Anisotropic hybrid particles based on electrohydrodynamic co-jetting of nanoparticle suspensions. Physical Chemistry Chemical Physics, 2010, 12, 11894.	1.3	46
15	Isolating highly enriched populations of circulating epithelial cells and other rare cells from blood using a magnetic sweeper device. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3970-3975.	3.3	448
16	Structurally Controlled Bioâ€hybrid Materials Based on Unidirectional Association of Anisotropic Microparticles with Human Endothelial Cells. Advanced Materials, 2009, 21, 4920-4925.	11.1	101
17	Biocompatible Polymers: Structurally Controlled Bioâ€hybrid Materials Based on Unidirectional Association of Anisotropic Microparticles with Human Endothelial Cells (Adv. Mater. 48/2009). Advanced Materials, 2009, 21, .	11.1	0
18	Spatioselective Modification of Bicompartmental Polymer Particles and Fibers via Huisgen 1,3â€Dipolar Cycloaddition. Macromolecular Rapid Communications, 2008, 29, 1655-1660.	2.0	53

#	Article	IF	Citations
19	Water-Stable Biphasic Nanocolloids with Potential Use as Anisotropic Imaging Probes. Langmuir, 2007, 23, 5683-5688.	1.6	83
20	Compartmentalized, multiphasic nanocolloids with potential applications in drug delivery and biomedical imaging. Materialwissenschaft Und Werkstofftechnik, 2007, 38, 1008-1011.	0.5	24
21	Short-term biocompatibility of biphasic nanocolloids with potential use as anisotropic imaging probes. Biomaterials, 2007, 28, 2446-2456.	5.7	84
22	Triphasic Nanocolloids. Journal of the American Chemical Society, 2006, 128, 6796-6797.	6.6	143
23	Biphasic Janus particles with nanoscale anisotropy. Nature Materials, 2005, 4, 759-763.	13.3	676
24	Contextual Reprogramming of CAR-T Cells for Treatment of HER2+ Cancers. SSRN Electronic Journal, 0, , .	0.4	0