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	Biphasic Janus particles with nanoscale anisotropy. Nature Materials, 2005, 4, 759-763.	13.3	676
2	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
3	Triphasic Nanocolloids. Journal of the American Chemical Society, 2006, 128, 6796-6797.	6.6	143
4	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
5	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
6	Short-term biocompatibility of biphasic nanocolloids with potential use as anisotropic imaging probes. Biomaterials, 2007, 28, 2446-2456.	5.7	84
7	Water-Stable Biphasic Nanocolloids with Potential Use as Anisotropic Imaging Probes. Langmuir, 2007, 23, 5683-5688.	1.6	83
8	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
9	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
10	Spatioselective Modification of Bicompartmental Polymer Particles and Fibers via Huisgen 1,3â€Ðipolar Cycloaddition. Macromolecular Rapid Communications, 2008, 29, 1655-1660.	2.0	53
11	Anisotropic hybrid particles based on electrohydrodynamic co-jetting of nanoparticle suspensions. Physical Chemistry Chemical Physics, 2010, 12, 11894.	1.3	46
12	Oxime Cross-Linked Alginate Hydrogels with Tunable Stress Relaxation. Biomacromolecules, 2019, 20, 4419-4429.	2.6	42
13	Compartmentalized, multiphasic nanocolloids with potential applications in drug delivery and biomedical imaging. Materialwissenschaft Und Werkstofftechnik, 2007, 38, 1008-1011.	0.5	24
14	Engineering approaches for regeneration of T lymphopoiesis. Biomaterials Research, 2016, 20, 20.	3.2	12
15	Calcium enhances polyplex-mediated transfection efficiency of plasmid DNA in Jurkat cells. Drug Delivery, 2020, 27, 805-815.	2.5	11
16	Contextual reprogramming of CAR-T cells for treatment of HER2+ cancers. Journal of Translational Medicine, 2021, 19, 459.	1.8	11
17	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
18	A synthetic stroma-free germinal center niche for efficient generation of humoral immunity exÂvivo. Biomaterials, 2018, 164, 106-120.	5.7	9

#	Article	IF	Citations
19	Aeroelastic Characterization of Real and Artificial Monarch Butterfly Wings. , 2020, , .		9
20	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
21	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
22	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
23	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
24	Contextual Reprogramming of CAR-T Cells for Treatment of HER2+ Cancers. SSRN Electronic Journal, 0, , .	0.4	0