Robert C Deller

List of Publications by Year
in descending order

16 papers	677 citations	759233 12 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	1020 citing authors

#	Article	IF	Citations
1	Antimicrobial Nitric Oxide-Releasing Electrospun Dressings for Wound Healing Applications. ACS Materials Au, 2022, 2, 190-203.	6.0	8
2	Antimicrobial Nitric Oxide Releasing Contact Lens Gels for the Treatment of Microbial Keratitis. ACS Applied Materials & Interfaces, 2019, 11, 37491-37501.	8.0	30
3	Ice-recrystallization inhibiting polymers protect proteins against freeze-stress and enable glycerol-free cryostorage. Materials Horizons, 2019, 6, 364-368.	12.2	54
4	Artificial cell membrane binding thrombin constructs drive in situ fibrin hydrogel formation. Nature Communications, 2019, 10, 1887.	12.8	30
5	The effect of surface charge on the thermal stability and ice recrystallization inhibition activity of antifreeze protein III (AFP III). Biochemical and Biophysical Research Communications, 2018, 495, 1055-1060.	2.1	8
6	Functionalized Triblock Copolymer Vectors for the Treatment of Acute Lymphoblastic Leukemia. Molecular Pharmaceutics, 2017, 14, 722-732.	4.6	9
7	Regulation of Scaffold Cell Adhesion Using Artificial Membrane Binding Proteins. Macromolecular Bioscience, 2017, 17, 1600523.	4.1	12
8	Gold nanoparticle interactions with endothelial cells cultured under physiological conditions. Biomaterials Science, 2017, 5, 707-717.	5.4	19
9	Enhanced non-vitreous cryopreservation of immortalized and primary cells by ice-growth inhibiting polymers. Biomaterials Science, 2016, 4, 1079-1084.	5.4	41
10	Glycerol-Free Cryopreservation of Red Blood Cells Enabled by Ice-Recrystallization-Inhibiting Polymers. ACS Biomaterials Science and Engineering, 2015, 1, 789-794.	5.2	74
11	Using molecular rotors to probe gelation. Soft Matter, 2015, 11, 3706-3713.	2.7	27
12	Synthesis and characterisation of glucose-functional glycopolymers and gold nanoparticles: study of their potential interactions with ovine red blood cells. Carbohydrate Research, 2015, 405, 47-54.	2.3	24
13	Synthetic polymers enable non-vitreous cellular cryopreservation by reducing ice crystal growth during thawing. Nature Communications, 2014, 5, 3244.	12.8	242
14	Uptake of poly(2-hydroxypropylmethacrylamide)-coated gold nanoparticles in microvascular endothelial cells and transport across the bloodâ€“brain barrier. Biomaterials Science, 2013, 1, 824.	5.4	30
15	Ice recrystallisation inhibition by polyols: comparison of molecular and macromolecular inhibitors and role of hydrophobic units. Biomaterials Science, 2013, 1, 478.	5.4	56
16	Exploiting Thermoresponsive Polymers to Modulate Lipophilicity: Interactions With Model Membranes. Macromolecular Rapid Communications, 2012, 33, 779-784.	3.9	13