

Timothy J Merkel

List of Publications by Year in descending order

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16
papers

2,992
citations

516215

16
h-index

940134

16
g-index

17
all docs

17
docs citations

17
times ranked

5685
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle Probes for the Detection of Cancer Biomarkers, Cells, and Tissues by Fluorescence. <i>Chemical Reviews</i> , 2015, 115, 10530-10574.	23.0	864
2	Using mechanobiological mimicry of red blood cells to extend circulation times of hydrogel microparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 586-591.	3.3	489
3	Spherical Nucleic Acid Nanoparticle Conjugates as an RNAi-Based Therapy for Glioblastoma. <i>Science Translational Medicine</i> , 2013, 5, 209ra152.	5.8	478
4	Immunomodulatory spherical nucleic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3892-3897.	3.3	205
5	Scalable, Shape-Specific, Top-Down Fabrication Methods for the Synthesis of Engineered Colloidal Particles. <i>Langmuir</i> , 2010, 26, 13086-13096.	1.6	202
6	miR-182 integrates apoptosis, growth, and differentiation programs in glioblastoma. <i>Genes and Development</i> , 2015, 29, 732-745.	2.7	182
7	One-Step Syntheses of Photocurable Polyesters Based on a Renewable Resource. <i>Macromolecules</i> , 2010, 43, 9660-9667.	2.2	110
8	The effect of particle size on the biodistribution of low-modulus hydrogel PRINT particles. <i>Journal of Controlled Release</i> , 2012, 162, 37-44.	4.8	100
9	Low Modulus Biomimetic Microgel Particles with High Loading of Hemoglobin. <i>Biomacromolecules</i> , 2012, 13, 2748-2759.	2.6	79
10	Effect of Aspect Ratio and Deformability on Nanoparticle Extravasation through Nanopores. <i>Langmuir</i> , 2012, 28, 8773-8781.	1.6	60
11	Biocompatible Infinite Coordination Polymer Nanoparticle Nucleic Acid Conjugates for Antisense Gene Regulation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 476-480.	7.2	55
12	Dual bioluminescence and near-infrared fluorescence monitoring to evaluate spherical nucleic acid nanoconjugate activity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4129-4134.	3.3	45
13	Generation of a Library of Particles Having Controlled Sizes and Shapes via the Mechanical Elongation of Master Templates. <i>Langmuir</i> , 2011, 27, 524-528.	1.6	36
14	Dodging Drug-Resistant Cancer with Diamonds. <i>Science Translational Medicine</i> , 2011, 3, 73ps8.	5.8	36
15	Relationships between Poly(ethylene glycol) Modifications on RNA Spherical Nucleic Acid Conjugates and Cellular Uptake and Circulation Time. <i>Bioconjugate Chemistry</i> , 2016, 27, 2715-2721.	1.8	25
16	Nanoscale Printing. , 2016, , 2684-2692.		0