

Karen A Simon

List of Publications by Year in descending order

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14
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858243

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1318
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Metabolic response of lung cancer cells to radiation in a paper-based 3D cell culture system. <i>Biomaterials</i> , 2016, 95, 47-59. | 5.7 | 57 |
| 2 | A paper-based invasion assay: Assessing chemotaxis of cancer cells in gradients of oxygen. <i>Biomaterials</i> , 2015, 52, 262-271. | 5.7 | 132 |
| 3 | Disulfide-Based Diblock Copolymer Worm Gels: A Wholly-Synthetic Thermoreversible 3D Matrix for Sheet-Based Cultures. <i>Biomacromolecules</i> , 2015, 16, 3952-3958. | 2.6 | 62 |
| 4 | Polymer-based mesh as supports for multi-layered 3D cell culture and assays. <i>Biomaterials</i> , 2014, 35, 259-268. | 5.7 | 44 |
| 5 | Noncovalent Polymerization of Mesogens Crystallizes Lysozyme: Correlation between Nonamphiphilic Lyotropic Liquid Crystal Phase and Protein Crystal Formation. <i>Langmuir</i> , 2011, 27, 10901-10906. | 1.6 | 4 |
| 6 | Controlling Thread Assemblies of Pharmaceutical Compounds in Liquid Crystal Phase by Using Functionalized Nanotopography. <i>Chemistry of Materials</i> , 2010, 22, 2434-2441. | 3.2 | 20 |
| 7 | Noncovalent Polymerization and Assembly in Water Promoted by Thermodynamic Incompatibility. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10357-10367. | 1.2 | 12 |
| 8 | Molecular Gradients of Bioinertness Reveal a Mechanistic Difference between Mammalian Cell Adhesion and Bacterial Biofilm Formation. <i>Langmuir</i> , 2009, 25, 1547-1553. | 1.6 | 35 |
| 9 | Nonamphiphilic Assembly in Water: Polymorphic Nature, Thread Structure, and Thermodynamic Incompatibility. <i>Journal of the American Chemical Society</i> , 2009, 131, 7430-7443. | 6.6 | 54 |
| 10 | Identifying the important structural elements of brominated furanones for inhibiting biofilm formation by <i>Escherichia coli</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1006-1010. | 1.0 | 64 |
| 11 | Inhibition of <i>Escherichia coli</i> Biofilm Formation by Self-Assembled Monolayers of Functional Alkanethiols on Gold. <i>Applied and Environmental Microbiology</i> , 2007, 73, 4300-4307. | 1.4 | 67 |
| 12 | Enhancing Cell Adhesion and Confinement by Gradient Nanotopography. <i>Journal of the American Chemical Society</i> , 2007, 129, 4892-4893. | 6.6 | 34 |
| 13 | Water-in-Water Emulsions Stabilized by Non-Amphiphilic Interactions: A Polymer-Dispersed Lyotropic Liquid Crystals. <i>Langmuir</i> , 2007, 23, 1453-1458. | 1.6 | 56 |
| 14 | A Biocompatible Surfactant with Folded Hydrophilic Head Group: Enhancing the Stability of Self-Inclusion Complexes of Ferrocenyl in a β -Cyclodextrin Unit by Bond Rigidity. <i>Journal of the American Chemical Society</i> , 2006, 128, 13913-13920. | 6.6 | 53 |