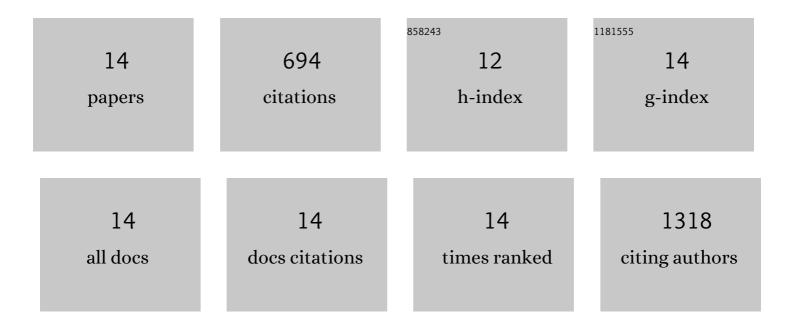
## Karen A Simon

List of Publications by Year in descending order

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