

# Sarah Hurst Petrosko

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

4,183  
citations

489802

18  
h-index

651938

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

7979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoreactors for particle synthesis. <i>Nature Reviews Materials</i> , 2022, 7, 428-448.	23.3	44
2	Programmable Matter: The Nanoparticle Atom and DNA Bond. <i>Advanced Materials</i> , 2022, 34, e2107875.	11.1	30
3	Spherical Nucleic Acids: Integrating Nanotechnology Concepts into General Chemistry Curricula. <i>Journal of Chemical Education</i> , 2021, 98, 3090-3099.	1.1	3
4	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. <i>Chemical Reviews</i> , 2020, 120, 6009-6047.	23.0	107
5	Spherical Nucleic Acids: Adding a New Dimension to Nucleic Acids and Clinical Chemistry. <i>Clinical Chemistry</i> , 2018, 64, 971-972.	1.5	15
6	DNA enters a new phase. <i>Nature Nanotechnology</i> , 2018, 13, 624-625.	15.6	4
7	Molecular Transport Junctions Created By Self-Contacting Gapped Nanowires. <i>Small</i> , 2016, 12, 4349-4356.	5.2	4
8	Nanoreactors: Small Spaces, Big Implications in Chemistry. <i>Journal of the American Chemical Society</i> , 2016, 138, 7443-7445.	6.6	142
9	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015, 9, 6644-6654.	7.3	279
10	Nucleic Acid-Modified Nanostructures as Programmable Atom Equivalents: Forging a New "Table of Elements". <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5688-5698.	7.2	148
11	CO <sub>2</sub> Preactivation in Photoinduced Reduction via Surface Functionalization of TiO <sub>2</sub> Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 475-479.	2.1	30
12	Antibody-Linked Spherical Nucleic Acids for Cellular Targeting. <i>Journal of the American Chemical Society</i> , 2012, 134, 16488-16491.	6.6	126
13	A Photoconductive, Thiophene-Fullerene Double-Cable Polymer, Nanorod Device. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 478-481.	2.1	9
14	A Single SnO <sub>2</sub> Nanowire-Based Microelectrode. <i>Methods in Molecular Biology</i> , 2011, 726, 111-117.	0.4	0
15	Matrix-Assisted Dip-Pen Nanolithography and Polymer Pen Lithography. <i>Small</i> , 2010, 6, 1077-1081.	5.2	79
16	Colloidal Gold and Silver Triangular Nanoprisms. <i>Small</i> , 2009, 5, 646-664.	5.2	800
17	Synthetically Programmable DNA Binding Domains in Aggregates of DNA-Functionalized Gold Nanoparticles. <i>Small</i> , 2009, 5, 2156-2161.	5.2	30
18	Curvature-Induced Base Pair "Slipping" Effects in DNA-Nanoparticle Hybridization. <i>Nano Letters</i> , 2009, 9, 317-321.	4.5	43

#	ARTICLE	IF	CITATIONS
19	“Three-Dimensional Hybridization” with Polyvalent DNA” Gold Nanoparticle Conjugates. <i>Journal of the American Chemical Society</i> , 2008, 130, 12192-12200.	6.6	99
20	Screening the Sequence Selectivity of DNA-Binding Molecules Using a Gold Nanoparticle-Based Colorimetric Approach. <i>Analytical Chemistry</i> , 2007, 79, 7201-7205.	3.2	68
21	Silver Nanoparticle” Oligonucleotide Conjugates Based on DNA with Triple Cyclic Disulfide Moieties. <i>Nano Letters</i> , 2007, 7, 2112-2115.	4.5	457
22	Self-Assembled Monolayer Mediated Silica Coating of Silver Triangular Nanoprisms. <i>Advanced Materials</i> , 2007, 19, 4071-4074.	11.1	140
23	Maximizing DNA Loading on a Range of Gold Nanoparticle Sizes. <i>Analytical Chemistry</i> , 2006, 78, 8313-8318.	3.2	1,019
24	Multisegmented One-Dimensional Nanorods Prepared by Hard-Template Synthetic Methods. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2672-2692.	7.2	492