

# Anne S Meyer

## List of Publications by Year in descending order

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42  
papers

2,088  
citations

304743

22  
h-index

254184

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of the eukaryotic chaperonin: protein folding in the chamber of secrets. Trends in Cell Biology, 2004, 14, 598-604.	7.9	353
2	Closing the Folding Chamber of the Eukaryotic Chaperonin Requires the Transition State of ATP Hydrolysis. Cell, 2003, 113, 369-381.	28.9	195
3	The Hsp70 and TRiC/CCT Chaperone Systems Cooperate In Vivo To Assemble the Von Hippel-Lindau Tumor Suppressor Complex. Molecular and Cellular Biology, 2003, 23, 3141-3151.	2.3	120
4	The DNA-Binding Protein from Starved Cells (Dps) Utilizes Dual Functions To Defend Cells against Multiple Stresses. Journal of Bacteriology, 2015, 197, 3206-3215.	2.2	113
5	A Straightforward Approach for 3D Bacterial Printing. ACS Synthetic Biology, 2017, 6, 1124-1130.	3.8	104
6	A Gradient of ATP Affinities Generates an Asymmetric Power Stroke Driving the Chaperonin TRiC/CCT Folding Cycle. Cell Reports, 2012, 2, 866-877.	6.4	96
7	Mechanism of lid closure in the eukaryotic chaperonin TRiC/CCT. Nature Structural and Molecular Biology, 2008, 15, 746-753.	8.2	91
8	Global DNA Compaction in Stationary-Phase Bacteria Does Not Affect Transcription. Cell, 2018, 174, 1188-1199.e14.	28.9	81
9	Symmetry-free cryo-EM structures of the chaperonin TRiC along its ATPase-driven conformational cycle. EMBO Journal, 2012, 31, 720-730.	7.8	80
10	3D Printing for the Fabrication of Biofilm-Based Functional Living Materials. ACS Synthetic Biology, 2019, 8, 1564-1567.	3.8	79
11	Influences of NOM composition and bacteriological characteristics on biological stability in a full-scale drinking water treatment plant. Chemosphere, 2016, 160, 189-198.	8.2	67
12	Printing of Patterned, Engineered <i>E. coli</i> Biofilms with a Low-Cost 3D Printer. ACS Synthetic Biology, 2018, 7, 1328-1337.	3.8	67
13	Single-molecule peptide fingerprinting. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3338-3343.	7.1	64
14	More than just a phase: the search for membraneless organelles in the bacterial cytoplasm. Current Genetics, 2019, 65, 691-694.	1.7	58
15	Bioproduced Polymers Self-Assemble with Graphene Oxide into Nanocomposite Films with Enhanced Mechanical Performance. ACS Nano, 2020, 14, 14731-14739.	14.6	49
16	Proteolysis in the Escherichia coli heat shock response: a player at many levels. Current Opinion in Microbiology, 2011, 14, 194-199.	5.1	46
17	Bioprinting of Regenerative Photosynthetic Living Materials. Advanced Functional Materials, 2021, 31, 2011162.	14.9	41
18	The Cotranslational Contacts between Ribosome-bound Nascent Polypeptides and the Subunits of the Hetero-oligomeric Chaperonin TRiC Probed by Photocross-linking. Journal of Biological Chemistry, 2005, 280, 28118-28126.	3.4	36

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19	The Escherichia coli Nucleoid in Stationary Phase. <i>Advances in Applied Microbiology</i> , 2013, 83, 69-86.	2.4	32
20	Hysteresis in DNA compaction by Dps is described by an Ising model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4982-4987.	7.1	27
21	Single-Cell Analysis of the Dps Response to Oxidative Stress. <i>Journal of Bacteriology</i> , 2016, 198, 1662-1674.	2.2	25
22	Bacterial growth through microfiltration membranes and NOM characteristics in an MF-RO integrated membrane system: Lab-scale and full-scale studies. <i>Water Research</i> , 2018, 144, 36-45.	11.3	25
23	Bacterially Produced, Nacre-Inspired Composite Materials. <i>Small</i> , 2019, 15, e1805312.	10.0	25
24	Creation of Conductive Graphene Materials by Bacterial Reduction Using <i>Shewanella Oneidensis</i> . <i>ChemistryOpen</i> , 2019, 8, 888-895.	1.9	20
25	Three-dimensional printing of stimuli-responsive hydrogel with antibacterial activity. <i>Bioprinting</i> , 2021, 24, e00106.	5.8	19
26	Emergent Biological Endurance Depends on Extracellular Matrix Composition of Three-Dimensionally Printed <i>Escherichia coli</i> Biofilms. <i>ACS Synthetic Biology</i> , 2021, 10, 2997-3008.	3.8	19
27	Biocompatible Graphene Oxide Nanosheets Densely Functionalized with Biologically Active Molecules for Biosensing Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 8334-8342.	5.0	17
28	Synthetic Biology for Multiscale Designed Biomimetic Assemblies: From Designed Self-Assembling Biopolymers to Bacterial Bioprinting. <i>Biochemistry</i> , 2019, 58, 2095-2104.	2.5	14
29	Scalable bacterial production of moldable and recyclable biomineralized cellulose with tunable mechanical properties. <i>Cell Reports Physical Science</i> , 2021, 2, 100464.	5.6	14
30	End-to-end mission design for microbial ISRU activities as preparation for a moon village. <i>Acta Astronautica</i> , 2019, 162, 216-226.	3.2	13
31	Iron can be microbially extracted from Lunar and Martian regolith simulants and 3D printed into tough structural materials. <i>PLoS ONE</i> , 2021, 16, e0249962.	2.5	12
32	DNA recognition by Escherichia coli CbpA protein requires a conserved arginine-minor-groove interaction. <i>Nucleic Acids Research</i> , 2015, 43, 2282-2292.	14.5	11
33	Application of an <i>In vitro</i> DNA Protection Assay to Visualize Stress Mediation Properties of the Dps Protein. <i>Journal of Visualized Experiments</i> , 2013, , e50390.	0.3	10
34	Engineered proteins and three-dimensional printing of living materials. <i>MRS Bulletin</i> , 2020, 45, 1034-1038.	3.5	10
35	Theoretical bioreactor design to perform microbial mining activities on mars. <i>Acta Astronautica</i> , 2020, 170, 354-364.	3.2	10
36	Using bacteria to make improved, nacre-inspired materials. <i>MRS Advances</i> , 2016, 1, 559-564.	0.9	9

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37	Three-dimensional Patterning of Engineered Biofilms with a Do-it-yourself Bioprinter. Journal of Visualized Experiments, 2019, , .	0.3	9
38	Modeling of possible subunit arrangements in the eukaryotic chaperonin TRiC. Protein Science, 2006, 15, 1522-1526.	7.6	6
39	Essential validation methods for E. coli strains created by chromosome engineering. Journal of Biological Engineering, 2015, 9, 11.	4.7	6
40	Rethinking sustainability through synthetic biology. Nature Chemical Biology, 2021, 17, 630-631.	8.0	5
41	Cataloguing the proteome: Current developments in single-molecule protein sequencing. Biophysics Reviews, 2022, 3, .	2.7	3
42	Biomimetic Materials: Bacterially Produced, Nacreâ€Inspired Composite Materials (Small 22/2019). Small, 2019, 15, 1970119.	10.0	1