

# Bettye Ls Maddux

## List of Publications by Year in descending order

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28  
papers

5,136  
citations

304743

22  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

6044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monoalkyl Tin Nano-Cluster Films Reveal a Low Environmental Impact under Simulated Natural Conditions. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2651-2658.	4.3	0
2	The Potential of a Diatom-Based Photosynthetic Biorefinery for Biofuels and Valued Co-Products. <i>Current Biotechnology</i> , 2016, 5, 237-248.	0.4	17
3	Aerosolized ZnO Nanoparticles Induce Toxicity in Alveolar Type II Epithelial Cells at the Air-Liquid Interface. <i>Toxicological Sciences</i> , 2012, 125, 450-461.	3.1	58
4	Systematic Evaluation of Nanomaterial Toxicity: Utility of Standardized Materials and Rapid Assays. <i>ACS Nano</i> , 2011, 5, 4688-4697.	14.6	152
5	<i>In vivo</i> biodistribution and toxicity depends on nanomaterial composition, size, surface functionalisation and route of exposure. <i>Journal of Experimental Nanoscience</i> , 2008, 3, 195-206.	2.4	96
6	Proactively designing nanomaterials to enhance performance and minimise hazard. <i>International Journal of Nanotechnology</i> , 2008, 5, 124.	0.2	44
7	Toward Greener Nanosynthesis. <i>Chemical Reviews</i> , 2007, 107, 2228-2269.	47.7	1,168
8	Microtubule-dependent Oligomerization of Tau. <i>Journal of Biological Chemistry</i> , 2003, 278, 33298-33304.	3.4	91
9	Micromechanical and structural properties of a pennate diatom investigated by atomic force microscopy. <i>Journal of Microscopy</i> , 2001, 202, 518-532.	1.8	111
10	Discerning nature's mechanism for making complex biocomposite crystals. <i>Journal of Crystal Growth</i> , 2000, 211, 116-121.	1.5	19
11	The importance of molecular structure and conformation: learning with scanning probe microscopy. <i>Progress in Biophysics and Molecular Biology</i> , 2000, 74, 93-113.	2.9	12
12	Recent Highlights from Atomic Force Microscopy of DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 17, 271-275.	3.5	13
13	Carbon nanotubes as probes for atomic force microscopy. <i>Nanotechnology</i> , 2000, 11, 1-5.	2.6	132
14	Direct Observation of the Transition from Calcite to Aragonite Growth as Induced by Abalone Shell Proteins. <i>Biophysical Journal</i> , 2000, 79, 3307-3312.	0.5	158
15	A Novel Approach for Analyzing the Structure of DNA Modified by Benzo[a]pyrene Diol Epoxide at Single-Molecule Resolution. <i>Chemical Research in Toxicology</i> , 2000, 13, 351-355.	3.3	22
16	Fast imaging and fast force spectroscopy of single biopolymers with a new atomic force microscope designed for small cantilevers. <i>Review of Scientific Instruments</i> , 1999, 70, 4300-4303.	1.3	246
17	Methods for fabricating and characterizing a new generation of biomimetic materials. <i>Materials Science and Engineering C</i> , 1999, 7, 37-43.	7.3	101
18	Molecular mechanistic origin of the toughness of natural adhesives, fibres and composites. <i>Nature</i> , 1999, 399, 761-763.	27.8	1,153

#	ARTICLE	IF	CITATIONS
19	Direct Observation of One-Dimensional Diffusion and Transcription by Escherichia coli RNA Polymerase. Biophysical Journal, 1999, 77, 2284-2294.	0.5	238
20	Oriented, Active Escherichia coli RNA Polymerase: An Atomic Force Microscope Study. Biophysical Journal, 1999, 76, 1024-1033.	0.5	69
21	Rapid imaging of calcite crystal growth using atomic force microscopy with small cantilevers. Applied Physics Letters, 1998, 73, 1658-1660.	3.3	74
22	Does Abalone Nacre Form by Heteroepitaxial Nucleation or by Growth through Mineral Bridges?. Chemistry of Materials, 1997, 9, 1731-1740.	6.7	387
23	Modification of calcite crystal growth by abalone shell proteins: an atomic force microscope study. Biophysical Journal, 1997, 72, 1425-1433.	0.5	112
24	Visualization of Poly(A)-Binding Protein Complex Formation with Poly(A) RNA Using Atomic Force Microscopy. Journal of Structural Biology, 1997, 119, 109-117.	2.8	48
25	Escherichia coli RNA Polymerase Activity Observed Using Atomic Force Microscopy. Biochemistry, 1997, 36, 461-468.	2.5	341
26	Biological applications of the AFM: From single molecules to organs. International Journal of Imaging Systems and Technology, 1997, 8, 151-161.	4.1	132
27	Reversible Binding of DNA to Mica for AFM Imaging. Langmuir, 1996, 12, 5905-5908.	3.5	122
28	Interaction of an ultimate carcinogen, benzo[a]pyrene diol epoxide, with nucleosomal core particles: Apparent lack of protection of DNA by histone proteins. Molecular Carcinogenesis, 1989, 1, 245-252.	2.7	11