

Julia R Widom

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

844
citations

623734

14
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent two-dimensional photocurrent spectroscopy in a PbS quantum dot photocell. <i>Nature Communications</i> , 2014, 5, 5869.	12.8	141
2	Conformation of self-assembled porphyrin dimers in liposome vesicles by phase-modulation 2D fluorescence spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16521-16526.	7.1	112
3	Entangled Photon-Pair Two-Dimensional Fluorescence Spectroscopy (EPP-2DFS). <i>Journal of Physical Chemistry B</i> , 2013, 117, 15559-15575.	2.6	96
4	Conformation and Electronic Population Transfer in Membrane-Supported Self-Assembled Porphyrin Dimers by 2D Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10757-10770.	2.6	67
5	Temperature-dependent conformations of exciton-coupled Cy3 dimers in double-stranded DNA. <i>Journal of Chemical Physics</i> , 2018, 148, 085101.	3.0	58
6	Life under the Microscope: Single-Molecule Fluorescence Highlights the RNA World. <i>Chemical Reviews</i> , 2018, 118, 4120-4155.	47.7	56
7	Compressed Sensing for Multidimensional Spectroscopy Experiments. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2697-2702.	4.6	50
8	Solution conformation of 2-aminopurine dinucleotide determined by ultraviolet two-dimensional fluorescence spectroscopy. <i>New Journal of Physics</i> , 2013, 15, 025028.	2.9	49
9	Ligand Modulates Cross-Coupling between Riboswitch Folding and Transcriptional Pausing. <i>Molecular Cell</i> , 2018, 72, 541-552.e6.	9.7	48
10	Temperature-Dependent Conformations of a Membrane Supported Zinc Porphyrin Tweezer by 2D Fluorescence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6171-6184.	2.5	26
11	Soft Interactions with Model Crowders and Non-canonical Interactions with Cellular Proteins Stabilize RNA Folding. <i>Journal of Molecular Biology</i> , 2018, 430, 509-523.	4.2	25
12	Single-molecule tools for enzymology, structural biology, systems biology and nanotechnology: an update. <i>Archives of Toxicology</i> , 2014, 88, 1965-1985.	4.2	19
13	Digital cavities and their potential applications. <i>Journal of Instrumentation</i> , 2013, 8, T05005-T05005.	1.2	17
14	Design and Mechanism of Tetrahydrothiophene-Based $\hat{\text{I}}^3$ -Aminobutyric Acid Aminotransferase Inactivators. <i>Journal of the American Chemical Society</i> , 2015, 137, 4525-4533.	13.7	17
15	An anionic ligand snap-locks a long-range interaction in a magnesium-folded riboswitch. <i>Nature Communications</i> , 2022, 13, 207.	12.8	15
16	Versatile transcription control based on reversible dCas9 binding. <i>Rna</i> , 2019, 25, 1457-1469.	3.5	13
17	Synthesis and Biological Evaluation of Inhibitors of Botulinum Neurotoxin Metalloprotease. <i>Heterocycles</i> , 2009, 79, 487.	0.7	10
18	Electronic transition moments of 6-methyl isoxanthopterin--a fluorescent analogue of the nucleic acid base guanine. <i>Nucleic Acids Research</i> , 2013, 41, 995-1004.	14.5	9

#	ARTICLE	IF	CITATIONS
19	Electric Dipole Transition Moments and Solvent-Dependent Interactions of Fluorescent Boron- ¹⁸ Nitrogen Substituted Indole Derivatives. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7985-7993.	2.6	8
20	Single-Molecule Pull-Down FRET to Dissect the Mechanisms of Biomolecular Machines. <i>Methods in Enzymology</i> , 2015, 558, 539-570.	1.0	7
21	Meeting report: <scp>SMART</scp> timing- ¹⁹ principles of single molecule techniques course at the University of Michigan 2014. <i>Biopolymers</i> , 2015, 103, 296-302.	2.4	0
22	FRET-Filtered Spectroscopy to Simultaneously Probe Local and Global Conformations of Nucleic Acids. <i>Biophysical Journal</i> , 2019, 116, 38a-39a.	0.5	0