

Dennis Bong

List of Publications by Year in descending order

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45
papers

1,302
citations

361413

20
h-index

361022

35
g-index

51
all docs

51
docs citations

51
times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid Membrane Adhesion and Fusion Driven by Designed, Minimally Multivalent Hydrogen-Bonding Lipids. <i>Journal of the American Chemical Society</i> , 2009, 131, 16919-16926.	13.7	86
2	Membrane Activation: Selective Vesicle Fusion via Small Molecule Recognition. <i>Journal of the American Chemical Society</i> , 2006, 128, 14430-14431.	13.7	79
3	Discrete Assembly of Synthetic Peptide-DNA Triplex Structures from Polyvalent Melamine-Thymine Bifacial Recognition. <i>Journal of the American Chemical Society</i> , 2012, 134, 832-835.	13.7	78
4	Intra- and Intermembrane Pairwise Molecular Recognition between Synthetic Hydrogen-Bonding Phospholipids. <i>Journal of the American Chemical Society</i> , 2008, 130, 14456-14458.	13.7	76
5	Chemoselective Pd(0)-Catalyzed Peptide Coupling in Water. <i>Organic Letters</i> , 2001, 3, 2509-2511.	4.6	72
6	An Animal Virus-Derived Peptide Switches Membrane Morphology: A Possible Relevance to Nodaviral Transfection Processes. <i>Biochemistry</i> , 1999, 38, 5328-5336.	2.5	70
7	Determinants of Cyanuric Acid and Melamine Assembly in Water. <i>Langmuir</i> , 2011, 27, 8841-8853.	3.5	62
8	Controlled Fusion of Synthetic Lipid Membrane Vesicles. <i>Accounts of Chemical Research</i> , 2013, 46, 2988-2997.	15.6	62
9	Functional Determinants of a Synthetic Vesicle Fusion System. <i>Journal of the American Chemical Society</i> , 2008, 130, 6196-6205.	13.7	61
10	A highly membrane-active peptide in Flock House virus: implications for the mechanism of nodavirus infection. <i>Chemistry and Biology</i> , 1999, 6, 473-481.	6.0	60
11	Peptide Tertiary Structure Nucleation by Side-Chain Crosslinking with Metal Complexation and Double Click-Cycloaddition. <i>ChemBioChem</i> , 2008, 9, 1701-1705.	2.6	44
12	Bifacial Peptide Nucleic Acid as an Allosteric Switch for Aptamer and Ribozyme Function. <i>Journal of the American Chemical Society</i> , 2014, 136, 7265-7268.	13.7	42
13	Membrane Partitioning of the Cleavage Peptide in Flock House Virus. <i>Biophysical Journal</i> , 2000, 78, 839-845.	0.5	38
14	Bifacial Peptide Nucleic Acid Directs Cooperative Folding and Assembly of Binary, Ternary, and Quaternary DNA Complexes. <i>Biochemistry</i> , 2013, 52, 6313-6323.	2.5	37
15	Oligothiophene Isocyanides for Platinum-Based Molecular Electronic Applications. <i>Journal of the American Chemical Society</i> , 2004, 126, 11796-11797.	13.7	35
16	Small-Molecule/Polymer Recognition Triggers Aqueous-Phase Assembly and Encapsulation. <i>Langmuir</i> , 2013, 29, 144-150.	3.5	30
17	Small Molecule Recognition Triggers Secondary and Tertiary Interactions in DNA Folding and Hammerhead Ribozyme Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 9815-9818.	13.7	27
18	Syntheses of Syn and Anti Doublebenz [5]Phenylene. <i>Organic Letters</i> , 2004, 6, 2249-2252.	4.6	26

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19	Synthetic Polymer Hybridization with DNA and RNA Directs Nanoparticle Loading, Silencing Delivery, and Aptamer Function. <i>Journal of the American Chemical Society</i> , 2015, 137, 8920-8923.	13.7	26
20	Directed Peptide Assembly at the Lipid-Water Interface Cooperatively Enhances Membrane Binding and Activity. <i>Langmuir</i> , 2011, 27, 1480-1486.	3.5	23
21	Bifacial PNA Complexation Inhibits Enzymatic Access to DNA and RNA. <i>ChemBioChem</i> , 2014, 15, 31-36.	2.6	20
22	Peptide Ligation and RNA Cleavage via an Abiotic Template Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 3751-3754.	13.7	18
23	Synthesis of Trifunctional Phosphatidylserine Probes for Identification of Lipid-Binding Proteins. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 751-758.	2.4	17
24	Synthesis of DNA-Binding Peptoids. <i>Synlett</i> , 2015, 26, 1581-1585.	1.8	17
25	Protein-Polymer Grafts via a Soy Protein Derived Macro-RAFT Chain Transfer Agent. <i>Journal of Polymers and the Environment</i> , 2011, 19, 203-208.	5.0	16
26	Duplex Stem Replacement with bPNA+ Triplex Hybrid Stems Enables Reporting on Tertiary Interactions of Internal RNA Domains. <i>Journal of the American Chemical Society</i> , 2019, 141, 9365-9372.	13.7	16
27	Protein assembly directed by synthetic molecular recognition motifs. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7296.	2.8	15
28	Z-Group Ketone Chain Transfer Agents for RAFT Polymer Nanoparticle Modification via Hydrazone Conjugation. <i>Macromolecules</i> , 2012, 45, 6766-6773.	4.8	15
29	Excited-State Dynamics of Melamine and Its Lysine Derivative Investigated by Femtosecond Transient Absorption Spectroscopy. <i>Molecules</i> , 2016, 21, 1645.	3.8	15
30	Synthesis of bent [4]phenylene (cyclobuta[1,2-a:3,4-b]bisbiphenylene) and structure of a bis(trimethylsilyl) derivative: the last [4]phenylene isomer. Electronic supplementary information (ESI) available: selected bond distances and angles for 9, spectral and analytical information. See http://www.rsc.org/suppdata/cc/b1/b109789j/ . <i>Chemical Communications</i> , 2002, 278-279.	4.1	14
31	Unnatural bases for recognition of noncoding nucleic acid interfaces. <i>Biopolymers</i> , 2021, 112, e23399.	2.4	13
32	Determinants of Membrane Activity from Mutational Analysis of the HIV Fusion Peptide. <i>Biochemistry</i> , 2011, 50, 5195-5207.	2.5	12
33	Bifacial PNAs Destabilize MALAT1 by 3' A-Tail Displacement from the U-Rich Internal Loop. <i>ACS Chemical Biology</i> , 2021, 16, 1600-1609.	3.4	12
34	Stabilization of vesicular and supported membranes by glycolipid oxime polymers. <i>Chemical Communications</i> , 2011, 47, 2853.	4.1	10
35	High-Capacity Drug Carriers from Common Polymer Amphiphiles. <i>Biomacromolecules</i> , 2016, 17, 3060-3066.	5.4	9
36	Self-Assembling Organic Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 988-1011.	13.8	9

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37	Context-Sensitive Cleavage of Folded DNAs by Loop-Targeting bPNAs. <i>Biochemistry</i> , 2020, 59, 2410-2418.	2.5	8
38	Triplex Hybridization of siRNA with Bifacial Glycopolymer Nucleic Acid Enables Hepatocyte-Targeted Silencing. <i>ACS Chemical Biology</i> , 2019, 14, 1310-1318.	3.4	7
39	Synthetic bPNAs as allosteric triggers of hammerhead ribozyme catalysis. <i>Methods in Enzymology</i> , 2019, 623, 151-175.	1.0	6
40	Impact of bPNA Backbone Structural Constraints and Composition on Triplex Hybridization with DNA. <i>ChemBioChem</i> , 2022, , .	2.6	5
41	Enhanced Triplex Hybridization of DNA and RNA via Syndiotactic Side Chain Presentation in Minimal bPNAs. <i>Biochemistry</i> , 2022, 61, 85-91.	2.5	5
42	Screening of Minimalist Noncanonical Sites in Duplex DNA and RNA Reveals Context and Motif-Selective Binding by Fluorogenic Base Probes. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
43	On the role of surrounding regions in the fusion peptide in dengue virus infection. <i>Virology</i> , 2021, 557, 62-69.	2.4	3
44	Synthesis of bifacial Peptide Nucleic Acids with diketopiperazine backbones. <i>Synlett</i> , 0, 0, .	1.8	2
45	Assessment of RNA carrier function in peptide amphiphiles derived from the HIV fusion peptide. <i>Peptides</i> , 2016, 79, 27-30.	2.4	0