

Hua-Bing Sun

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

337
citations

840776

11
h-index

839539

18
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20
all docs

20
docs citations

20
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoswitchable Formation of a DNA Interstrand Cross-Link by a Coumarin-Modified Nucleotide. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7001-7005.	13.8	48
2	Discovery and Optimization of Novel Hydrogen Peroxide Activated Aromatic Nitrogen Mustard Derivatives as Highly Potent Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9132-9145.	6.4	39
3	Quantitative DNA Interstrand Cross-Link Formation by Coumarin and Thymine: Structure Determination, Sequence Effect, and Fluorescence Detection. <i>Journal of Organic Chemistry</i> , 2014, 79, 11359-11369.	3.2	31
4	Template-Directed Fluorogenic Oligonucleotide Ligation Using "Click" Chemistry: Detection of Single Nucleotide Polymorphism in the Human p53 Tumor Suppressor Gene. <i>Bioconjugate Chemistry</i> , 2013, 24, 1226-1234.	3.6	28
5	Hydrogen peroxide activated quinone methide precursors with enhanced DNA cross-linking capability and cytotoxicity towards cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2017, 133, 197-207.	5.5	27
6	A novel double target fluorescence probe for Al ³⁺ /Mg ²⁺ detection with distinctively different responses and its applications in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120067.	3.9	26
7	Hypoxia-Selective DNA Interstrand Cross-Link Formation by Two Modified Nucleosides. <i>Chemistry - A European Journal</i> , 2012, 18, 12609-12613.	3.3	19
8	Light-controlled twister ribozyme with single-molecule detection resolves RNA function in time and space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12080-12086.	7.1	15
9	UV-Induced DNA Interstrand Cross-Linking and Direct Strand Breaks from a New Type of Binitroimidazole Analogue. <i>Chemical Research in Toxicology</i> , 2015, 28, 919-926.	3.3	14
10	Independent Generation of Reactive Intermediates Leads to an Alternative Mechanism for Strand Damage Induced by Hole Transfer in Poly(dA-T) Sequences. <i>Journal of the American Chemical Society</i> , 2018, 140, 11308-11316.	13.7	14
11	Coumarin-Induced DNA Ligation, Rearrangement to DNA Interstrand Crosslinks, and Photorelease of Coumarin Moiety. <i>ChemBioChem</i> , 2016, 17, 2046-2053.	2.6	11
12	Reactivity of N ³ -Methyl-2-Deoxyadenosine in Nucleosome Core Particles. <i>Chemical Research in Toxicology</i> , 2019, 32, 2118-2124.	3.3	11
13	Substituents Have a Large Effect on Photochemical Generation of Benzyl Cations and DNA Cross-Linking. <i>Chemistry - A European Journal</i> , 2018, 24, 7671-7682.	3.3	10
14	Positional Dependence of DNA Hole Transfer Efficiency in Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2019, 141, 10154-10158.	13.7	9
15	Selective Antitumor Activity and Photocytotoxicity of Glutathione-Activated Abasic Site Trapping Agents. <i>ACS Chemical Biology</i> , 2022, 17, 797-803.	3.4	7
16	Independent Generation and Reactivity of Thymidine Radical Cations. <i>Journal of Organic Chemistry</i> , 2017, 82, 11072-11083.	3.2	6
17	Photoinduced DNA Interstrand Cross-Linking by 1,1'-Biphenyl Analogues: Substituents and Leaving Groups Combine to Determine the Efficiency of Cross-Linker. <i>Chemistry - A European Journal</i> , 2021, 27, 5215-5224.	3.3	4
18	Phenyl Selenide-Based Precursors as Hydrogen Peroxide Inducible DNA Interstrand Cross-Linkers. <i>ChemBioChem</i> , 2022, 23, .	2.6	4

#	ARTICLE	IF	CITATIONS
19	Effect of Triazole-Modified Thymidines on DNA and RNA Duplex Stability. ACS Omega, 2019, 4, 5107-5116.	3.5	1