

# Hua-Bing Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5231593/publications.pdf>

Version: 2024-02-01

19  
papers

337  
citations

840776

11  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

305  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Phenyl Selenide-Based Precursors as Hydrogen Peroxide Inducible DNA Interstrand Cross-Linkers. <i>ChemBioChem</i> , 2022, 23, .  | 2.6  | 4         |
| 2  | Selective Antitumor Activity and Photocytotoxicity of Glutathione-Activated Abasic Site Trapping Agents. <i>ACS Chemical Biology</i> , 2022, 17, 797-803.  | 3.4  | 7         |
| 3  | 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         |
| 4  | A novel double target fluorescence probe for Al <sup>3+</sup> /Mg <sup>2+</sup> 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        |
| 5  | 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        |
| 6  | Reactivity of N3-Methyl-2-Deoxyadenosine in Nucleosome Core Particles. <i>Chemical Research in Toxicology</i> , 2019, 32, 2118-2124.   | 3.3  | 11        |
| 7  | 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         |
| 8  | Effect of Triazole-Modified Thymidines on DNA and RNA Duplex Stability. <i>ACS Omega</i> , 2019, 4, 5107-5116.   | 3.5  | 1         |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | Independent Generation and Reactivity of Thymidine Radical Cations. <i>Journal of Organic Chemistry</i> , 2017, 82, 11072-11083.   | 3.2  | 6         |
| 14 | Coumarin-Induced DNA Ligation, Rearrangement to DNA Interstrand Crosslinks, and Photorelease of Coumarin Moiety. <i>ChemBioChem</i> , 2016, 17, 2046-2053.   | 2.6  | 11        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Hypoxia-Selective DNA Interstrand Cross-Link Formation by Two Modified Nucleosides. Chemistry - A European Journal, 2012, 18, 12609-12613. | 3.3 | 19        |