Liang Xue

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9195173/publications.pdf

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20	650	840776 11	752698 20
papers	citations	h-index	g-index

20	20	20	508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neomycin Binding to Watsonâˆ'Hoogsteen (Wâˆ'H) DNA Triplex Groove:Â A Model. Journal of the American Chemical Society, 2003, 125, 3733-3744.	13.7	100
2	Synthesis and Spectroscopic Studies of the Aminoglycoside (Neomycin)âˆ'Perylene Conjugate Binding to Human Telomeric DNA. Biochemistry, 2011, 50, 2838-2849.	2.5	82
3	Aminoglycoside (Neomycin) Preference Is for A-Form Nucleic Acids, Not Just RNA:Â Results from a Competition Dialysis Study. Journal of the American Chemical Society, 2003, 125, 10148-10149.	13.7	78
4	Combining the Best in Triplex Recognition:â€‰ Synthesis and Nucleic Acid Binding of a BQQâˆ'Neomycin Conjugate. Journal of the American Chemical Society, 2003, 125, 8070-8071.	13.7	70
5	Dual recognition of the human telomeric G-quadruplex by a neomycinâ€“anthraquinone conjugate. Chemical Communications, 2013, 49, 5796.	4.1	61
6	Pyreneâ€“neomycin conjugate: dual recognition of a DNA triple helixElectronic supplementary information (ESI) available: NMR spectra, UV spectra, extinction coefficients, melting curves of pyreneâ€“neomycin conjugate, details of modeling studies. See http://www.rsc.org/suppdata/cc/b1/b108171c/. Chemical Communications, 2002, , 70-71.	4.1	58
7	Probing the Recognition Surface of a DNA Triplex: Binding Studies with Intercalatorâˆ'Neomycin Conjugates. Biochemistry, 2010, 49, 5540-5552.	2.5	52
8	Facile Quantification of Lesions Derived from 2â€˜-Deoxyguanosine in DNA. Journal of the American Chemical Society, 2007, 129, 7010-7011.	13.7	43
9	Use of Fluorescence Sensors To Determine that 2-Deoxyribonolactone Is the Major Alkali-Labile Deoxyribose Lesion Produced in Oxidatively Damaged DNA. Angewandte Chemie - International Edition, 2007, 46, 561-564.	13.8	35
10	8-Oxo-7,8-dihydrodeoxyadenosine: The first example of a native DNA lesion that stabilizes human telomeric G-quadruplex DNA. Biochemical and Biophysical Research Communications, 2012, 421, 671-677.	2.1	14
11	Thiazole orange â€“ Spermine conjugate: A potent human telomerase inhibitor comparable to BRACO-19. European Journal of Medicinal Chemistry, 2019, 175, 20-33.	5.5	12
12	Arylsulfanyl groups - Suitable side chains for 5-substituted 1,10-phenanthroline and nickel complexes as G4 ligands and telomerase inhibitors. Journal of Inorganic Biochemistry, 2017, 173, 12-20.	3.5	11
13	Synthesis of nucleobase-calix[4]arenes via click chemistry and evaluation of their complexation with alkali metal ions and molecular assembly. Supramolecular Chemistry, 2011, 23, 806-818.	1.2	10
14	Utilizing G-quadruplex formation to target 8-oxoguanine in telomeric sequences. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6357-6361.	2.2	8
15	Use of neomycin as a structured aminoâ€containing side chain motif for phenanthrolineâ€based Gâ€quadruplex ligands and telomerase inhibitors. Chemical Biology and Drug Design, 2020, 96, 1292-1304.	3.2	6
16	Surface Dependent Dual Recognition of a G-quadruplex DNA With Neomycin-Intercalator Conjugates. Frontiers in Chemistry, 2020, 8, 60.	3.6	5
17	Synthesis of nucleobase-neomycin conjugates and evaluation of their DNA binding, cytotoxicities, and antibacterial properties. Medicinal Chemistry Research, 2018, 27, 1517-1527.	2.4	2
18	Regioselective Bromination of a Thymineâ€“Acridine Conjugate by N-Bromosuccinimide. Synthetic Communications, 2010, 40, 1192-1201.	2.1	1

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19	Synthesis of a ligandâ€“quencher conjugate for the ligand binding study of the aryl hydrocarbon receptor using a FRET assay. Medicinal Chemistry Research, 2012, 21, 711-721.	2.4	1
20	5-Substituted 3, 3â€², 4â€², 7-tetramethoxyflavonoids â€“ A novel class of potent DNA triplex specific binding ligands. Bioorganic and Medicinal Chemistry Letters, 2022, 61, 128608.	2.2	1