

Edwin A Lewis

List of Publications by Year in descending order

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24
papers

706
citations

623734

14
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677142

22
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25
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25
docs citations

25
times ranked

1086
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical Studies of the c-MYC NHE III1 Promoter: Model Quadruplex Interactions with a Cationic Porphyrin. <i>Biophysical Journal</i> , 2007, 92, 2007-2015.	0.5	135
2	Modeling complex equilibria in isothermal titration calorimetry experiments: Thermodynamic parameters estimation for a three-binding-site model. <i>Analytical Biochemistry</i> , 2013, 434, 233-241.	2.4	98
3	Studying Protein and Gold Nanoparticle Interaction Using Organothiols as Molecular Probes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3645-3652.	3.1	57
4	Bcl-2 Promoter Sequence G-Quadruplex Interactions with Three Planar and Non-Planar Cationic Porphyrins: TMPyP4, TMPyP3, and TMPyP2. <i>PLoS ONE</i> , 2013, 8, e72462.	2.5	52
5	Studies on the Site and Mode of TMPyP4 Interactions with Bcl-2 Promoter Sequence G-Quadruplexes. <i>Biophysical Journal</i> , 2010, 98, 2628-2633.	0.5	50
6	Recognition and Binding of Human Telomeric G-Quadruplex DNA by Unfolding Protein 1. <i>Biochemistry</i> , 2014, 53, 3347-3356.	2.5	36
7	Diminazene or berenil, a classic duplex minor groove binder, binds to G-quadruplexes with low nanomolar dissociation constants and the amidine groups are also critical for G-quadruplex binding. <i>Molecular BioSystems</i> , 2014, 10, 2724-2734.	2.9	35
8	Molecular modeling and biophysical analysis of the c-MYC NHE-III1 silencer element. <i>Journal of Molecular Modeling</i> , 2008, 14, 93-101.	1.8	33
9	DSC Deconvolution of the Structural Complexity of c-MYC P1 Promoter G-Quadruplexes. <i>Biophysical Journal</i> , 2011, 100, 1517-1525.	0.5	30
10	Complexity in the binding of minor groove agents: netropsin has two thermodynamically different DNA binding modes at a single site. <i>Nucleic Acids Research</i> , 2011, 39, 9649-9658.	14.5	30
11	Calorimetric and spectroscopic investigations of the binding of metallated porphyrins to G-quadruplex DNA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 902-909.	2.4	29
12	Stability of the Na ⁺ Form of the Human Telomeric G-Quadruplex: Role of Adenines in Stabilizing G-Quadruplex Structure. <i>ACS Omega</i> , 2018, 3, 844-855.	3.5	25
13	Alkyne-substituted diminazene as G-quadruplex binders with anticancer activities. <i>European Journal of Medicinal Chemistry</i> , 2016, 118, 266-275.	5.5	23
14	Effects of Doxorubicin on the Liquid-Liquid Phase Change Properties of Elastin-Like Polypeptides. <i>Biophysical Journal</i> , 2018, 115, 1431-1444.	0.5	17
15	Disruption of microtubule function in cultured human cells by a cytotoxic ruthenium(II) polypyridyl complex. <i>Chemical Science</i> , 2020, 11, 264-275.	7.4	17
16	Thermodynamic Investigations of [(phen) ₂ Ru(tatpp)Ru(phen) ₂] ⁴⁺ Interactions with B-DNA. <i>Journal of Physical Chemistry B</i> , 2015, 119, 65-71.	2.6	11
17	Global stability of an $\hat{\iota}$ -ketoglutarate-dependent dioxygenase (TauD) and its related complexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 987-994.	2.4	7
18	Berenil Binds Tightly to Parallel and Mixed Parallel/Antiparallel G-Quadruplex Motifs with Varied Thermodynamic Signatures. <i>ACS Omega</i> , 2018, 3, 11582-11591.	3.5	7

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19	Thermodynamics of substrate binding to the metal site in homoprotocatechuate 2,3-dioxygenase: Using ITC under anaerobic conditions to study enzyme-substrate interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 910-916.	2.4	5
20	The Thermodynamic Effects of Ligand Structure on the Molecular Recognition of Mono- and Biruthenium Polypyridyl Complexes with G-Quadruplex DNA. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3953-3960.	2.0	4
21	ITC Methods for Assessing Buffer/Protein Interactions from the Perturbation of Steady-State Kinetics. <i>Methods in Enzymology</i> , 2016, 567, 257-278.	1.0	3
22	Biophysical Studies of the Structure, Stability, and Ligand Binding Properties of G-Quadruplex DNA: Thoughts and Comparisons of the K-ras, c-MYC, and Bcl-2 Oncogene Promoter Sequence Quadruplexes. <i>ACS Symposium Series</i> , 2011, , 33-50.	0.5	1
23	The Thermodynamic Effects of Ligand Structure on the Molecular Recognition of Mononuclear Ruthenium Polypyridyl Complexes with B-DNA. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3604-3611.	2.0	1
24	The Thermodynamic Effects of Ligand Structure on the Molecular Recognition of Mononuclear Ruthenium Polypyridyl Complexes with B-DNA. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3588-3588.	2.0	0