

Miroslav Sip

List of Publications by Year in descending order

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24
papers

711
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA conformational change produced by the site-specific interstrand cross-link of trans-diamminedichloroplatinum(II). <i>Biochemistry</i> , 1993, 32, 11676-11681.	2.5	113
2	Distortions induced in DNA by cis-platinum interstrand adducts. <i>Biochemistry</i> , 1992, 31, 2508-2513.	2.5	74
3	The trans effect in square-planar platinum(II) complexes—A density functional study. <i>Journal of Computational Chemistry</i> , 2008, 29, 2370-2381.	3.3	69
4	Pentacoordinated transition states of cisplatin hydrolysis—ab initio study. <i>Computational and Theoretical Chemistry</i> , 2000, 532, 59-68.	1.5	63
5	Oligonucleotide-based microarray: A new improvement in microarray detection of plant viruses. <i>Journal of Virological Methods</i> , 2005, 128, 176-182.	2.1	63
6	Instability of the monofunctional adducts incis-[Pt(NH ₃) ₂ (N ⁷ -N-methyl-2-diazapyrenium)Cl] ₂ ⁺ -modified DNA: rates of cross-linking reactions incis-platinummodified DNA. <i>Nucleic Acids Research</i> , 1993, 21, 5846-5851.	14.5	51
7	Mitochondrial DNA D-loop hypervariable regions: Czech population data. <i>International Journal of Legal Medicine</i> , 2004, 118, 14-18.	2.2	43
8	Transition States of Cisplatin Binding to Guanine and Adenine: ab initio Reactivity Study. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1105-1118.	1.0	34
9	Mitochondrial DNA Variability in the Czech Population, with Application to the Ethnic History of Slavs. <i>Human Biology</i> , 2006, 78, 681-695.	0.2	29
10	Sodium cyanide: a chemical probe of the conformation of DNA modified by the antitumor drug cis-diamminedichloroplatinum(II). <i>Journal of the American Chemical Society</i> , 1990, 112, 3673-3674.	13.7	27
11	Influence of a charged graphene surface on the orientation and conformation of covalently attached oligonucleotides: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4217.	2.8	25
12	Variability in Coat Protein Sequence Homology Among American and European Sources of Strawberry Vein Banding Virus. <i>Plant Disease</i> , 1998, 82, 544-546.	1.4	21
13	Cy3 and Cy5 Dyes Terminally Attached to 5' End of DNA: Structure, Dynamics, and Energetics. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13564-13572.	2.6	19
14	Transmembrane potential measurement with carbocyanine dye diS-C3-(5): Fast fluorescence decay studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1990, 4, 321-328.	3.8	16
15	Force Field for Platinum Binding to Adenine and Guanine Taking into Account Flexibility of Nucleic Acids Bases. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1659-1661.	2.6	16
16	Formation of a DNA monofunctionalcis-platinum adduct cross-linking the intercalating drug N-methyl-2, 7-diazapyrenium. <i>Nucleic Acids Research</i> , 1990, 18, 3887-3891.	14.5	14
17	Detection of viral infections by an oligonucleotide microarray. <i>Journal of Virological Methods</i> , 2010, 165, 64-70.	2.1	12
18	Quantitative and sequence-specific analysis of DNA-ligand interaction by means of fluorescent intercalator probes. <i>Journal of Molecular Recognition</i> , 2000, 13, 157-163.	2.1	9

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19	Influence of hyperbaric oxygenation on bilirubin and ditauobilirubin auto-oxidation and porphyrin-sensitized photo-oxidation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1990, 5, 295-302.	3.8	5
20	Reconstruction of DNA Shape from AFM Data. <i>Single Molecules</i> , 2002, 3, 111-117.	0.9	3
21	Picosecond absorption spectroscopy and its application to the study of nucleic acid components. <i>European Physical Journal D</i> , 1986, 36, 468-477.	0.4	2
22	THE OCCURRENCE OF STRAWBERRY VIRUSES AND PHYTOPLASMAS IN THE CZECH REPUBLIC. <i>Acta Horticulturae</i> , 2001, , 81-86.	0.2	2
23	Laser excited time-resolved low-temperature luminescence of nucleic acid bases single crystals. <i>European Physical Journal D</i> , 1991, 41, 184-190.	0.4	1
24	A Contribution to the Description of Light Propagation in Inertial Reference Frames and an Interpretation of Physical Laws. <i>Physics Essays</i> , 1991, 4, 134-141.	0.4	0