Bohdan Skalski

List of Publications by Year
in descending order

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39	566	687363	677142
papers	citations	13 h-index	22 g-index

41	41	41	433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solvatochromism of a Novel Betaine Dye Derived from Purine. Journal of Physical Chemistry A, 2005, 109, 759-766.	2.5	80
2	Long-wavelength iodide-sensitive fluorescent indicators for measurement of functional CFTR expression in cells. American Journal of Physiology - Cell Physiology, 1999, 277, C1008-C1018.	4.6	59
3	New, ionic side-products in oligonucleotide synthesis: formation and reactivity of fluorescent N-/purin-6-yl/pyridinium salts1. Nucleic Acids Research, 1985, 13, 2989-3003.	14.5	55
4	Ultrasonic relaxation studies of mixed micelles formed from alcohol-decyltrimethylammonium bromide-water. The Journal of Physical Chemistry, 1992, 96, 6811-6817.	2.9	29
5	Ultrasonic relaxation studies of mixed micelles formed from propanol-decyltrimethylammonium bromide-water. The Journal of Physical Chemistry, 1992, 96, 2348-2355.	2.9	27
6	Spectral and photophysical properties of the lowest excited triplet state of 4-thiouridine and its 5-halogeno derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 168, 227-233.	3.9	21
7	Photophysical studies of luminarosineâ€"A new, highly fluorescent ribonucleoside with pteridine-like betaine as the aglycone. Journal of the Chemical Society Perkin Transactions II, 1989, , 1691-1696.	0.9	18
8	Synthesis of 6-Substituted Purines and Ribonucleosides withN-(6-Purinyl)pyridinium Salts. Angewandte Chemie International Edition in English, 1985, 24, 1054-1055.	4.4	17
9	Fluorescent nucleoside with a new heterocyclic betaine as the aglycone photochemical preparation and properties. Tetrahedron, 1987, 43, 3955-3961.	1.9	17
10	Salt- and solvent-dependent conformational transitions of ribo-CGCGCG duplex. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1985, 825, 345-352.	2.4	16
11	Intra- and Intermolecular Electronic Relaxation of the Second Excited Singlet and the Lowest Excited Triplet States of 1,3-Dimethyl-4-thiouracil in SolutionÂ¶. Photochemistry and Photobiology, 2002, 75, 448.	2.5	16
12	The influence of ligand charge and length on the assembly of Brome mosaic virus derived virus-like particles with magnetic core. AIP Advances, 2018, 8, .	1.3	16
13	Photochemistry of N-[9-(2',3',5'-tri-O-acetyl-.beta.-D-ribofuranosyl)purin-6-yl]-pyridinium chloride in aqueous solutions. Mechanism of the formation of tri-O-acetylluminarosine. Journal of the American Chemical Society, 1991, 113, 1756-1762.	13.7	14
14	Generation of Thiyl Radicals by the Photolysis of 5-Iodo-4-thiouridine. Journal of Organic Chemistry, 2005, 70, 982-988.	3.2	13
15	Photoinduced Fluorescent Cross-Linking of 5-Chloro- and 5-Fluoro-4-thiouridines with Thymidine. Journal of Organic Chemistry, 2010, 75, 621-626.	3.2	13
16	Photophysical properties of pyridinium salts derived from purine bases. Canadian Journal of Chemistry, 1990, 68, 2164-2170.	1.1	12
17	5-Fluoro-4-thiouridine phosphoramidite: New synthon for introducing photoaffinity label into oligodeoxynucleotides. Bioorganic and Medicinal Chemistry, 2011, 19, 6098-6106.	3.0	11
18	Photocycloaddition of cytosine to 5-methoxyuracil in dinucleotide model compound. Canadian Journal of Chemistry, 1988, 66, 1027-1031.	1.1	10

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19	Biological evaluation of an imidazole-fused 1,3,5-triazepinone nucleoside and its photochemical generation via a 6-azidopurine modified oligonucleotide. Tetrahedron Letters, 2013, 54, 3781-3784.	1.4	10
20	The further investigation of physical and photochemical properties of quasimetacyclophane derived from thymine. Biochemical and Biophysical Research Communications, 1979, 91, 375-382.	2.1	9
21	Photocycloaddition of 5-bromouracil to uracil in a dinucleotide model compound. Tetrahedron Letters, 2002, 43, 5127-5129.	1.4	9
22	Putative phototautomerization of 4-thiouridine in the S2 excited state revealed by fluorescence study using picosecond laser spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 12-18.	3.9	9
23	Photochemistry of 6-amino-2-azido, 2-amino-6-azido and 2,6-diazido analogues of purine ribonucleosides in aqueous solutions. Photochemical and Photobiological Sciences, 2014, 13, 563-573.	2.9	8
24	Photocycloaddition of 6-Oxopurines and Thymine to Products with Cyclobutane Part Structures. Angewandte Chemie International Edition in English, 1983, 22, 623-624.	4.4	7
25	Transformation of 1-methyluracils and uridine to respective, 4-substituted pyrimdin-2(1H)-ones via pyridinium salts. Canadian Journal of Chemistry, 1992, 70, 856-862.	1.1	7
26	Postsynthetic Transformations of Oligodeoxynucleotides Originated at 6-Methylthio-purine Site. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 979-982.	1.1	7
27	Photochemistry of 6-azidopurine ribonucleoside in aqueous solution. Tetrahedron Letters, 2012, 53, 2316-2318.	1.4	7
28	Highly Efficient Fluorescent Interstrand Photoâ€crosslinking of DNA Duplexes Labeled with 5â€Fluoroâ€4â€thioâ€2â€²â€Oâ€methyluridine. ChemBioChem, 2014, 15, 2045-2049.	2.6	7
29	Unconventional model of polynucleotides. Cyclic tetramer derived from 1.3-trimethylene thymine. Physical and photochemical properties. Biochemical and Biophysical Research Communications, 1981, 100, 995-1001.	2.1	5
30	Synthesis and Fluorescence Quenching Study of the Novel Cationic Probe Derived from Luminarosine. Helvetica Chimica Acta, 2001, 84, 3726-3734.	1.6	5
31	Photoaddition of 5-Bromouracil to Uracil in Oligonucleotides Leading to 5,5â€²-Bipyrimidine-Type Adducts: Mechanism of the Photoreaction. Journal of Organic Chemistry, 2012, 77, 11362-11367.	3.2	5
32	X-Ray Crystal Structure of Luminarine - Aglycone of Highly Fluorescent Luminarosine. Nucleosides & Nucleotides, 1991, 10, 603-605.	0.5	4
33	Pyridine assisted phosphorylations of nucleobase bis-lactam systems. Formation and reactivity of dipyridinium species.. Tetrahedron, 1993, 49, 5859-5868.	1.9	4
34	Photochemistry of N-(pyrimidin-2-one-4-yl)pyridinium derivatives. The ring contraction of pyrimidinone into imidazolinone. Canadian Journal of Chemistry, 1995, 73, 2178-2184.	1.1	4
35	Synthesis of an acyclic nucleoside analog of highly fluorescent luminarosine. Tetrahedron Letters, 2009, 50, 1671-1673.	1.4	4
36	Photochemical Behavior of 2-Azidopurine Tri-O-Acetylribonucleoside in Aqueous Solution: Unprecedented Transformation into 1-(5â€²-O-Acetyl-Î²-D-Ribofuranosyl)-5-[(2-Oxo-1,3,5-Oxadiazocan-4-Ylidene)Amino]-1H-Imidazole-4-Carbaldehyde. Nucleosides, Nucleotides and Nucleic Acids, 2015, 34, 235-245.	1.1	4

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37	Synthesis and Carbon-13 Magnetic Spectra of Pyridinium Salts Derived from Nucleosides and Nucleobases. Heterocycles, 1988, 27, 2807.	0.7	3
38	Thermally reversible and irreversible interstrand photocrosslinking of 5-chloro-2â€²-deoxy-4-thiouridine modified DNA oligonucleotides. Organic and Biomolecular Chemistry, 2021, 19, 1292-1295.	2.8	2
39	Intra- and Intermolecular Electronic Relaxation of the Second Excited Singlet and the Lowest Excited Triplet States of 1,3-Dimethyl-4-thiouracil in SolutionÂ¶. Photochemistry and Photobiology, 2002, 75, 448-456.	2.5	1