## Bohdan Skalski

List of Publications by Year in descending order

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687363 677142 39 566 13 22 citations h-index g-index papers 41 41 41 433 docs citations times ranked citing authors all docs

#	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 with N-(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 Solution¶. Photochemistry and Photobiology, 2002, 75, 448.	2.5	16
12	The influence of ligand charge and length on the assembly of $\langle i \rangle$ Brome mosaic virus $\langle i \rangle$ derived virus-like particles with magnetic core. AIP Advances, 2018, 8, .	1.3	16
13	Photochemistry of N-[9-(2',3',5'-tri-O-acetylbetaD-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

Biological evaluation of an Immázzofe-fused 13.3-5-trazepinone nucleosade and its photochemical generation via a 6-azadopunine modified disgonacionatide. Fetrahedron Letters, 2013, 5.4, 3781-3784.  The further investigation of physical and physical and properties of quasimeta-cyclophane derived from thymine. Biochemical and Biophysical Research Communications, 1979, 91, 375-382.  Photocycload-dinion of 5-bromourcal to uracil in a dinucleotide model compound. Tetrahedron Letters, 2007, 43, 5127-5129.  Photocycload-dinion of 5-bromourcal to uracil in a dinucleotide model compound. Tetrahedron Letters, 2007, 43, 5127-5129.  Photocycload-dinion of 6-bromourcal to uracil in a dinucleotide model compound. Tetrahedron Letters, 2007, 43, 5127-5129.  Photocycload-dinion of 6-bromourcal or uracil in a dinucleotide model compound. Tetrahedron Letters, 2007, 43, 5127-5129.  Photocycload-dinion of 6-dinion 2-adado, 2-amino 6-acido and 2,6-diazda analogues of purine ribonucleocides in aqueous solutions. Photochemical and Photobiological Sciences, 2014, 13, 563-573.  Photocycload-dinion of 6-Oxopurines and Thymine to Products with Cyclobutane Part Structures.  Angewandte Chemie International Edition in English, 1983, 22, 623-624.  Transformation of 1-methylaracils and urden to respective, 4-aubstituted pyrimdin 2(11) cones via pyridinium satts. Canadian Journal of Chemistry, 1992, 70, 856-862.  Postsynthetic Transformations of Oligodeoxynucleotides Originated at 6-Methylthio-purine Site.  Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 979-982.  Highly Efficient Fluorescent Interstrand Photoa-Corosilinking of DNA Duplexes Labeled with Septimous Acids (1995) (1995) and Corosilinking of DNA Duplexes Labeled with Septimous Acids (1995) and Corosilinking of DNA Duplexes Labeled with Physical and photochemical properties. Biochemical and Biophysical Research Communications, 1981, 2-1 5 100-951-001.  Highly Efficient Fluorescent Interstrand Photoa-Corosilinking of DNA Duplexes Labeled with Physical and Photochemical propertie	#	Article	IF	CITATIONS
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Letters, 2002, 43, 5127-5129.  Putative phototautomerization of 4-thiouridine in the S2 excited state revealed by fluorescence study using picoseconal gives protection of 4-thiouridine in the S2 excited state revealed by fluorescence study using picoseconal gives	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
using picosecond laser spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 3.9 9  1811, 12-18.  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. 4.4 7  25 Angewandte Chemie International Edition in English, 1983, 22, 623-624. 4.1  26 Postsynthetic Transformations of Ulgodeoxynucleotides Originated at 6-Methylthio-purine Site. 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 Photo8€crosslinking of DNA Duplexes Labeled with 5a€Fluoro8€48€thio8€28€2€4€x1>0 x(h) x€methyluridine. ChemBioChem, 2014, 15, 2045-2049. 2.6 7  29 Physical and photochemical properties. Biochemical and Biophysical Research Communications, 1981, 100, 995-1001. 5995-1001. 5995-3734. 5995	21		1.4	9
Photocycloaddition of 6-Oxopurines and Thymline to Products with Cyclobutane Part Structures.  Angewandte Chemie International Edition in English, 1983, 22, 623-624.  25 Photocycloaddition of 1-methyluracils and uridine to respective, 4-substituted pyrimdin-2(1H)-ones via pyridinium salts. Canadian Journal of Chemistry, 1992, 70, 856-862.  26 Postsynthetic Transformations of Oligodeoxynucleotides Originated at 6-Methylthio-purine Site. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 979-982.  27 Photochemistry of 6-azidopurine ribonucleoside in aqueous solution. Tetrahedron Letters, 2012, 53, 2316-2318.  28 Highly Efficient Fluorescent Interstrand Photoâ€crosslinking of DNA Duplexes Labeled with 5a€Fluoroa€4â€thloa€2â€2â€4€√1>O <fl>a€cmethyluridine. ChemBioChem, 2014, 15, 2045-2049.  28 Unconventional model of polynucleotides. Cyclic tetramer derived from 1.3-trimethylene thymnine. Physical and photochemical properties. Biochemical and Biophysical Research Communications, 1981, 100, 995-1001.  30 Synthesis and Fluorescence Quenching Study of the Novel Cationic Probe Derived from Luminarosine. Helvetica Chimica Acta, 2001, 84, 3726-3734.  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.  32 X-Ray Crystal Structure of Luminarine - Aglycone of Highly Fluorescent Luminarosine. Nucleosides &amp; Nucleotides, 1991, 10, 603-605.  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.</fl>	22	using picosecond laser spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2006,	3.9	9
Angewandte Chemie International Edition in English, 1983, 22, 623-624.  Transformation of 1-methyluracils and uridine to respective, 4-substituted pyrindin-2(1H)-ones via pyridinium salts. Canadian Journal of Chemistry, 1992, 70, 856-862.  Postsynthetic Transformations of Oligodeoxynucleotides Originated at 6-Methylthio-purine Site. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 979-982.  Photochemistry of 6-azidopurine ribonucleoside in aqueous solution. Tetrahedron Letters, 2012, 53, 2316-2318.  Highly Efficient Fluorescent Interstrand Photoa6crosslinking of DNA Duplexes Labeled with 5a6riuoroa64a6cthioa6ca6ca6ca6ca6ca7. Oxina6methyluridine. ChemBioChem, 2014, 15, 2045-2049.  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.  Synthesis and Fluorescence Quenching Study of the Novel Cationic Probe Derived from Luminarosine. Helvetica Chimica Acta, 2001, 84, 3726-3734.  Photoaddition of 5-Bromouracil to Uracil in Oligonucleotides Leading to 5.5a6c-Bipyrimidine-Type Adducts: Mechanism of the Photoreaction. Journal of Organic Chemistry, 2012, 77, 11362-11367.  X-Ray Crystal Structure of Luminarine - Aglycone of Highly Fluorescent Luminarosine. Nucleosides & 0.5 4  Nucleotides, 1991, 10, 603-605.  Pyridine assisted phosphorylations of nucleobase bis-lactam systems. Formation and reactivity of dipyridinium species. Tetrahedron, 1993, 49, 5859-5868.  Photochemistry of N-(pyrimidin-2-one-4-yi)pyridinium derivatives. The ring contraction of pyrimidinone into imidazolinone. Canadian Journal of Chemistry, 1995, 73, 2178-2184.	23		2.9	8
pyridinium salts. Canadian Journal of Chemistry, 1992, 70, 856-862.  Postsynthetic Transformations of Oligodeoxynucleotides Originated at 6-Methylthio-purine Site. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 979-982.  Photochemistry of 6-azidopurine ribonucleoside in aqueous solution. Tetrahedron Letters, 2012, 53, 2316-2318.  Highly Efficient Fluorescent Interstrand Photoá-Cerosslinking of DNA Duplexes Labeled with 5acFluoroá-Ca-Cate Interstrand Photoá-Cerosslinking of DNA Duplexes Labeled with 5acFluoroá-Ca-Cate Interstrand Photoá-Cerosslinking of DNA Duplexes Labeled with 5acFluoroá-Ca-Ca-Cate Interstrand Photoá-Cerosslinking of DNA Duplexes Labeled with 5acFluoroá-Ca-Ca-Ca-Ca-Ca-Ca-Ca-Ca-Ca-Ca-Ca-Ca-Ca-	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
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Photochemical Behavior of 2-Azidopurine Tri-<i>O</i>-Acetylribonucleoside in Aqueous Solution:
Unprecedented Transformation into
1-(5′-<i>O</i>-Acetyl-<i>β-⟨i⟩-Acetyl-<i>β-⟨i⟩-B-Ribofuranosyl)-5-[(2-Oxo-1,3,5-Oxadiazocan-4-Ylidene)Amino]-1<i>H</i>-Hiidazole-4-Carbaldehyde.
Nucleosides, Nucleotides and Nucleic Acids, 2015, 34, 235-245.

#	Article	IF	CITATIONS
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-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 Solution¶. Photochemistry and Photobiology, 2002, 75, 448-456.	2.5	1