

Heiko Ihmels

List of Publications by Citations

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149
papers

3,091
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30
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48
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176
ext. papers

3,374
ext. citations

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avg, IF

5.2
L-index

#	Paper	IF	Citations
149	Intercalation of Organic Dye Molecules into Double-Stranded DNA -- General Principles and Recent Developments	16.4	161
148	Single crystals of the disubstituted anthracene 9,10-(Ph ₂ P=S) ₂ C ₁₄ H ₈ selectively and reversibly detect toluene by solid-state fluorescence emission. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 783-7	16.4	140
147	Ochratoxin A: lack of formation of covalent DNA adducts. <i>Chemical Research in Toxicology</i> , 2004 , 17, 234-42	4.2	122
146	Selective ratiometric detection of mercury(II) ions in water with an acridizinium-based fluorescent probe. <i>Chemical Communications</i> , 2009 , 3175-7	5.8	117
145	9-donor-substituted acridizinium salts: versatile environment-sensitive fluorophores for the detection of biomacromolecules. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1254-67	16.4	115
144	The Norrish type II reaction in the crystalline state: Toward a better understanding of the geometric requirements for γ -hydrogen atom abstraction. <i>Tetrahedron</i> , 1999 , 55, 885-907	2.4	91
143	Intercalation of organic dye molecules into double-stranded DNA. Part 2: the annelated quinolizinium ion as a structural motif in DNA intercalators. <i>Photochemistry and Photobiology</i> , 2005 , 81, 1107-15	3.6	86
142	Studies on the mechanism of the photo-induced DNA damage in the presence of acridizinium salts-involvement of singlet oxygen and an unusual source for hydroxyl radicals. <i>Journal of the American Chemical Society</i> , 2005 , 127, 76-85	16.4	73
141	Cucurbit[8]uril/cucurbit[7]uril controlled off/on fluorescence of the acridizinium and 9-aminoacridizinium cations in aqueous solution. <i>Chemistry - A European Journal</i> , 2007 , 13, 6468-73	4.8	67
140	Design of a chiral mesoporous silica and its application as a host for stereoselective di-pi-methane rearrangements. <i>Journal of Organic Chemistry</i> , 2005 , 70, 2315-21	4.2	55
139	Anthryl-substituted heterocycles as acid-sensitive fluorescence probes. <i>Journal of Organic Chemistry</i> , 2005 , 70, 3929-38	4.2	53
138	N-aryl-9-amino-substituted acridizinium derivatives as fluorescent "light-up" probes for DNA and protein detection. <i>Organic Letters</i> , 2005 , 7, 5119-22	6.2	53
137	Relationship between the structure and the DNA binding properties of diazoniapolycyclic duplex- and triplex-DNA binders: efficiency, selectivity, and binding mode. <i>Biochemistry</i> , 2007 , 46, 12721-36	3.2	51
136	N-Acylureido functionality as acceptor substituent in solvatochromic fluorescence probes: detection of carboxylic acids, alcohols, and fluoride ions. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17158-9	16.4	49
135	Reactions of a Silanediyl with Carbon-Oxygen and Carbon-Nitrogen Double Bonds. <i>Journal of Organic Chemistry</i> , 1996 , 61, 3315-3319	4.2	48
134	Novel fluorescence probes based on 2,6-donor-acceptor-substituted anthracene derivatives. <i>Organic Letters</i> , 2000 , 2, 2865-7	6.2	45
133	9-(4-Dimethylaminophenyl)benzo[b]quinolizinium: a near-infrared fluorophore for the multicolor analysis of proteins and nucleic acids in living cells. <i>Chemistry - A European Journal</i> , 2013 , 19, 8736-41	4.8	44

132	DNA-ligand interactions gained and lost: light-induced ligand redistribution in a supramolecular cascade. <i>Chemical Communications</i> , 2015 , 51, 4906-9	5.8	43
131	Photodependent Melting of Unmodified DNA Using a Photosensitive Intercalator: A New and Generic Tool for Photoreversible Assembly of DNA Nanostructures at Constant Temperature. <i>Nano Letters</i> , 2016 , 16, 773-80	11.5	42
130	Absence of 2-Deoxyguanosine-carbon 8-bound ochratoxin A adduct in rat kidney DNA monitored by isotope dilution LC-MS/MS. <i>Molecular Nutrition and Food Research</i> , 2008 , 52, 472-82	5.9	41
129	Reactions of a Cyclotrisilane with Olefins and Dienes: Evidence for an Equilibrium between Silylenes and a Cyclotrisilane. <i>Organometallics</i> , 1995 , 14, 305-311	3.8	40
128	Oxidation of diazo compounds by dimethyl dioxirane: an extremely mild and efficient method for the preparation of labile α -aldehydes. <i>Tetrahedron Letters</i> , 1991 , 32, 6215-6218	2	38
127	A novel route to stable silacyclopropenes - First synthesis of silacyclopropenes bearing vinylic hydrogen. <i>Tetrahedron Letters</i> , 1993 , 34, 6541-6544	2	38
126	Studies of the fluorescence light-up effect of amino-substituted benzo[b]quinolizinium derivatives in the presence of biomacromolecules. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1535-45	4.2	37
125	Selective ratiometric detection of H ₂ O ₂ in water and in living cells with boronobenzo[b]quinolizinium derivatives. <i>Chemical Communications</i> , 2014 , 50, 8242-5	5.8	36
124	New dyes based on amino-substituted acridizinium salts--synthesis and exceptional photochemical properties. <i>Chemistry - A European Journal</i> , 2000 , 6, 2854-64	4.8	36
123	New Dichlorosilanes, Cyclotrisilanes, and Silacyclopropanes as Precursors of Intramolecularly Coordinated Silylenes. <i>Chemistry - A European Journal</i> , 1998 , 4, 852-863	4.8	35
122	Solid-State Photolysis of Anthracene-Linked Ammonium Salts: The Search for Topochemical Anthracene Photodimerizations. <i>Tetrahedron</i> , 2000 , 56, 6867-6875	2.4	34
121	Selective detection of Hg ²⁺ in the microenvironment of double-stranded DNA with an intercalator crown-ether conjugate. <i>Chemical Communications</i> , 2010 , 46, 5719-21	5.8	33
120	Einkristalle des disubstituierten Anthracens 9,10-(Ph ₂ P(S)) ₂ C ₁₄ H ₈ detektieren selektiv und reversibel Toluol durch Festkörperlaser-Fluoreszenz-Emission. <i>Angewandte Chemie</i> , 2003 , 115, 807-811	3.6	32
119	Targeting abasic site-containing DNA with annelated quinolizinium derivatives: the influence of size, shape and substituents. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1725-34	3.9	29
118	Synthesis and photophysical properties of fluorescent arylstyrylimidazo[1,2-a]pyridine-based donor-acceptor chromophores. <i>Dyes and Pigments</i> , 2015 , 113, 465-473	4.6	26
117	Photoinduced in situ generation of a DNA-binding benzothiazoloquinolinium derivative. <i>Chemical Communications</i> , 2012 , 48, 4603-5	5.8	26
116	Silylenes Coordinated to Lewis Bases. <i>Advances in Organometallic Chemistry</i> , 1999 , 43, 1-42	3.8	26
115	Acridizinium salts as a novel class of DNA-binding and site-selective DNA-photodamaging chromophores. <i>Photochemistry and Photobiology</i> , 2001 , 74, 505-11	3.6	26

114	The benzo[b]quinolizinium ion as a water-soluble platform for the fluorimetric detection of biologically relevant analytes. <i>Arkivoc</i> , 2015 , 2015, 494-523	0.9	26
113	Diazonia- and tetraazoniapolycyclic cations as motif for quadruplex-DNA ligands. <i>Chemical Communications</i> , 2009 , 1249-51	5.8	25
112	Photoswitchable DNA-binding properties of a photochromic spirooxazine derivative. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 5184-8	3.9	24
111	Light up G-quadruplex DNA with a [2.2.2]heptamethinecyanine dye. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 480-7	3.9	24
110	Polycyclic azoniahetarenes: assessing the binding parameters of complexes between unsubstituted ligands and G-quadruplex DNA. <i>Chemistry - A European Journal</i> , 2012 , 18, 10903-15	4.8	23
109	Efficient Photoinduced DMA Damage by Coralyne. <i>Photochemistry and Photobiology</i> , 2006 , 82, 1572-1576	6.6	23
108	Indolo[2,3-b]-quinolizinium bromide: an efficient intercalator with DNA-photodamaging properties. <i>ChemBioChem</i> , 2002 , 3, 550-8	3.8	23
107	Playing Around with the Size and Shape of Quinolizinium Derivatives: Versatile Ligands for Duplex, Triplex, Quadruplex and Abasic Site-Containing DNA. <i>Synlett</i> , 2016 , 27, 1775-1793	2.2	23
106	Governing the DNA-binding mode of styryl dyes by the length of their alkyl substituents - from intercalation to major groove binding. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 545-554	3.9	23
105	A novel Hsp70 inhibitor prevents cell intoxication with the actin ADP-ribosylating Clostridium perfringens iota toxin. <i>Scientific Reports</i> , 2016 , 6, 20301	4.9	22
104	Fluorimetric detection of Mg ²⁺ and DNA with 9-(alkoxyphenyl)benzo[b]quinolizinium derivatives. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 3010-8	3.9	21
103	Influence of DNA-binding on the photochromic equilibrium of a chromene derivative. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1279-82	4.2	21
102	Water-soluble, pH-sensitive fluorescent probes on the basis of acridizinium ions. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 405-7	4.2	21
101	Targeting Abasic Sites in DNA by Aminoalkyl-Substituted Carboxamidoacridizinium Derivatives and Acridizinium Adenine Conjugates. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4721-4730	3.2	21
100	Synthesis, Fluorescence Properties, and Head-to-Tail Regioselectivity in the Photodimerization of a Donor-Acceptor-Substituted Anthracene. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 1595-1600	3.2	21
99	Studies of the binding interactions of dicationic styrylimidazo[1,2-a]pyridinium dyes with duplex and quadruplex DNA. <i>Dyes and Pigments</i> , 2016 , 125, 241-248	4.6	20
98	Highly Regioselective Solid-State Photodimerization of Naphthoquinolizinium Salts. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 2624	3.2	20
97	Reactions of a cyclotrisilane with styrene derivatives and diarylacetylenes Evidence for nucleophilic silylenes. <i>Tetrahedron</i> , 2001 , 57, 511-517	2.4	19

- 96 The reversible [4+4] photocycloaddition of acridinium derivatives. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 200, 3-9 4.7 18
- 95 Dual fluorescence of 2-methoxyanthracene derivatives. *Journal of Physical Chemistry A*, **2007**, 111, 1036-44 4.8 18
- 94 Naphthoquinolizinium derivatives as a novel platform for DNA-binding and DNA-photodamaging chromophores. *Photochemical and Photobiological Sciences*, **2002**, 1, 882-9 4.2 18
- 93 Chalcogen Transfer to Bis[2-(dimethylaminomethyl)phenyl]silanediyl by Isocyanates and Isothiocyanates. *Chemische Berichte*, **1996**, 129, 125-130 18
- 92 Selective Colorimetric Detection of Hg²⁺ and Mg²⁺ with Crown Ether Substituted N-Aryl-9-aminobenzo[b]quinolizinium Derivatives. *European Journal of Organic Chemistry*, **2011**, 2011, 4145-4153 3.2 17
- 91 Elucidation of Different Steps Involved in Allylamine Functionalization of the Diamond Surface and Its Polymerization by Time-of-Flight Secondary Ion Mass Spectrometry. *Chemistry of Materials*, **2010**, 22, 4414-4418 9.6 17
- 90 Reactions of a cyclotrisilane with alkynes: synthesis and first crystal structure of 1,2-disilacyclobut-3-enes. *Journal of the Chemical Society Chemical Communications*, **1994**, 1989 17
- 89 Diphenylaminostyryl-substituted quinolizinium derivatives as fluorescent light-up probes for duplex and quadruplex DNA. *Photochemical and Photobiological Sciences*, **2019**, 18, 1373-1381 4.2 16
- 88 Regioselective Photodimerization of 9-Substituted Acridinium Salts in the Solid State. *Journal of Organic Chemistry*, **1999**, 64, 5715-5718 4.2 16
- 87 Regiospecific Photocyclization of Mono- and Bis-Styryl-Substituted N-Heterocycles: A Synthesis of DNA-Binding Benzo[c]quinolizinium Derivatives. *Journal of Organic Chemistry*, **2016**, 81, 9075-9085 4.2 16
- 86 DNA cleavage by the Cu(II) complex of the DNA-intercalating 9-bis(pyridin-2-ylmethyl)aminobenzo[b]quinolizinium. *Dalton Transactions*, **2010**, 39, 8195-202 4.3 15
- 85 Allylamine-mediated DNA attachment to polycrystalline diamond surface. *Applied Physics Letters*, **2009**, 95, 143703 3.4 15
- 84 Comparative studies on the DNA-binding properties of linear and angular dibenzoquinolizinium ions. *Journal of Organic Chemistry*, **2006**, 71, 8401-11 4.2 15
- 83 Interaction of crown ether-annelated styryl dyes with double-stranded DNA. *Photochemistry and Photobiology*, **2015**, 91, 723-31 3.6 14
- 82 Hydroxybenzo[b]quinolizinium Ions: Water-Soluble and Solvatochromic Photoacids. *Journal of Organic Chemistry*, **2016**, 81, 10942-10954 4.2 14
- 81 Diazoniapolycyclic ions inhibit the activity of topoisomerase I and the growth of certain tumor cell lines. *ChemMedChem*, **2008**, 3, 1671-6 3.7 14
- 80 Medium-dependent type selectivity in photoreactions of a crown ether-annelated dibenzobarreleene derivative. *Organic Letters*, **2002**, 4, 3247-50 6.2 14
- 79 Studies on single-strand scissions to cell-free plasmid DNA by the dopaminergic neurotoxin R₁ClO_R (1-trichloromethyl-1,2,3,4-tetrahydro-beta-carboline). *Neuroscience Letters*, **2001**, 304, 41-4 3.3 14

78	8-Styryl-substituted coralyne derivatives as DNA binding fluorescent probes. <i>RSC Advances</i> , 2017 , 7, 10660-10667		
77	Control of the DNA-Binding and Antiproliferative Properties of Hydroxybenzo[b]quinolizinium Derivatives with pH and Light. <i>Chemistry - A European Journal</i> , 2017 , 23, 370-379	4.8	13
76	Selective stabilization of abasic site-containing DNA by insertion of sterically demanding biaryl ligands. <i>Chemistry - A European Journal</i> , 2014 , 20, 9883-7	4.8	13
75	6-Aminoacridizinium bromide: a fluorescence probe which lights up in AT-rich regions of DNA. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 2999-3001	3.9	13
74	Synthesis and enhanced regioselectivity in the photodimerization of 9-aminoacridizinium perchlorate. <i>Tetrahedron Letters</i> , 1998 , 39, 8641-8642	2	12
73	Colorimetric and Fluorimetric DNA Detection with a Hydroxystyryl-Quinolizinium Photoacid and Its Application for Cell Imaging. <i>Chemistry - A European Journal</i> , 2019 , 25, 12703-12707	4.8	11
72	Synthesis of a crystallochromic indolizine dye by a base- and catalyst-free photochemical route. <i>Chemical Communications</i> , 2019 , 55, 11071-11074	5.8	11
71	Selective stabilization of triple-helical DNA by diazoniapolycyclic intercalators. <i>ChemBioChem</i> , 2006 , 7, 1031-3	3.8	11
70	Fluorimetric Detection of G-Quadruplex DNA in Solution and Adsorbed on Surfaces with a Selective Trinuclear Cyanine Dye. <i>Langmuir</i> , 2018 , 34, 11866-11877	4	11
69	Benzo[b]quinolizinium Derivatives Have a Strong Antimalarial Activity and Inhibit Indoleamine Dioxygenase. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 115-25	5.9	10
68	A comparative study of the interactions of cationic hetarenes with quadruplex-DNA forming oligonucleotide sequences of the insulin-linked polymorphic region (ILPR). <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 2963-74	2.5	10
67	Photochemistry of 11,12-bis(Aminomethyl)-9,10-dihydro-9,10-ethenoanthracene in Solution and in the Solid State. <i>Liebigs Annalen</i> , 1997 , 1997, 1925-1929		10
66	Mild Synthesis of Fluorosolvatochromic and Acidochromic 3-Hydroxy-4-pyridylisoquinoline Derivatives from Easily Available Substrates. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3011-3016	4.2	9
65	Reversible photoswitching of the DNA-binding properties of styrylquinolizinium derivatives through photochromic [2 + 2] cycloaddition and cycloreversion. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 111-124	2.5	9
64	Synthesis and Investigation of the DNA-Binding and DNA-Photodamaging Properties of Indolo[2,3-b]quinolizinium Bromide. <i>European Journal of Organic Chemistry</i> , 2001 , 2001, 1157-1161	3.2	9
63	Arylstyrylimidazo[1,2-a]pyridine-based donor-acceptor acidochromic fluorophores: Synthesis, photophysical, thermal and biological properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 310, 113-121	4.7	8
62	Studies of the solvatochromic emission properties of N-aryolurea derivatives I: Influence of the substitution pattern. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 752-67	4.2	8
61	Structures of 2-(Me ₂ NCH ₂)C ₆ H ₄ -Substituted Oligosilanes. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1854-1855		8

60	Strukturen 2-(Me ₂ NCH ₂)C ₆ H ₄ -substituierter Oligosilane. <i>Angewandte Chemie</i> , 1994 , 106, 1949-1950	3.6	8
59	Synthesis and fluorosolvatochromism of 3-arylnaphtho[1,2-b]quinolizinium derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 854-62	2.5	8
58	Photocontrolled DNA minor groove interactions of imidazole/pyrrole polyamides. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 60-70	2.5	7
57	Switching off the charge transfer and closing the S ₁ -T ₁ ISC channel in excited states of quinolizinium derivatives: a theoretical study. <i>Journal of Organic Chemistry</i> , 2014 , 79, 3799-808	4.2	7
56	Effects of anion complexation on the photoreactivity of bisureido- and bistioureido-substituted dibenzobarrelele derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 278-89	2.5	7
55	Intercalation of Organic Ligands as a Tool to Modify the Properties of DNA 2011 , 49-76		7
54	Synthesis of 6-amino-3,4-dihydroisoquinolinium derivatives by ring-opening reactions of acridizinium ions. <i>Organic Letters</i> , 2008 , 10, 757-60	6.2	7
53	Photolysis of N-phenylhydroxylamine: a novel photochemical disproportionation reaction in N-D bond cleavage assisted by hydrogen bonding. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999 , 122, 7-10	4.7	7
52	DNA-binding and DNA-photocleaving properties of 12a,14a-diazoniapentaphene. <i>Arkivoc</i> , 2004 , 2004, 219-230	0.9	7
51	Photoinduced formation of stable Ag-nanoparticles from a ternary ligand-DNA-Ag(+) complex. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3766-70	3.9	6
50	Excited-state acidity of the 8-hydroxyacridizinium ion-a water-soluble photoacid. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 309-11	4.2	6
49	Detection of biomacromolecules with fluorescent light-up probes. <i>Pure and Applied Chemistry</i> , 2006 , 78, 2325-2331	2.1	6
48	Ratiometric Detection of Water in Acetonitrile with 9-Hydroxybenzo[b]Quinolizinium as Fluorosolvatochromic Probe. <i>Journal of Fluorescence</i> , 2017 , 27, 1221-1224	2.4	5
47	Structural flexibility versus rigidity of the aromatic unit of DNA ligands: binding of aza- and azoniastilbene derivatives to duplex and quadruplex DNA. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6404-6413	3.9	5
46	Synthesis and investigation of quadruplex-DNA-binding, 9--substituted berberine derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 2795-2806	2.5	5
45	Synthesis of cationic dibenzosemibullvalene-based phase-transfer catalysts by di-Emethane rearrangements of pyrrolinium-annelated dibenzobarrelele derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 119-26	2.5	5
44	Solid-State Photodimerization of 9-Substituted Acridizinium Salts-Selectivity by Directional π Stacking. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 356, 433-441		5
43	Synthesis of 5-Alkyl- and 5-Phenylamino-Substituted Azothiazole Dyes with Solvatochromic and DNA-Binding Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 16088	4.8	4

42	Optical differentiation between quadruplex DNA and duplex DNA with a [2.2.2]heptamethinecyanine dye. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e3736	2.1	4
41	Studies of the solvatochromic emission properties of N-arylorea derivatives II: influence of hydrogen-bonding interactions. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1914-28	4.2	4
40	Controlling the regioselectivity of the di- π -methane rearrangements of 1,2-naphtho-annelated barrelene derivatives \square Solution versus solid-state photochemistry. <i>Canadian Journal of Chemistry</i> , 2009 , 87, 619-626	0.9	4
39	A Novel Technology to Create Monolithic Instruments for Micro Total Analysis Systems. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 869, 381		4
38	Interactions between photoacidic 3-hydroxynaphtho[1,2-]quinolizinium and cucurbit[7]uril: Influence on acidity in the ground and excited state. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 203-212	2.5	3
37	Spectroscopic studies on the interactions of 5-ethyl-6-phenyl-3,8-bis((3-aminoalkyl)propanamido)phenanthridin-5-ium derivatives with G-quadruplex DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 196, 132-138	4.4	3
36	Licht \square Medizin und Diagnostik. <i>Nachrichten Aus Der Chemie</i> , 2014 , 62, 612-616	0.1	3
35	Photoreactions of cyclic sulfite esters: Evidence for diradical intermediates. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 1208-12	2.5	3
34	Synthesis of Fluorescent 9-Aryl-Substituted Benzo[b]quinolizinium Derivatives. <i>Synthesis</i> , 2009 , 2009, 4226	2.9	3
33	Synthesis of Substituted Diazoniapentaphene Salts by an Unexpected Rearrangement-Cyclodehydration Sequence. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 4098-4108	3.2	3
32	Electrocyclic reaction of crown-containing 2-styrylbenzothiazoles. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1328-1330	1.7	3
31	Monolithic integrated optical detection for microfluidic systems using thin film photodiodes based on amorphous silicon		3
30	11,12-Bis(diethylaminomethyl)-9,10-dihydro-9,10-ethenoanthracene: A probe for the heavy atom effect in solid state photoreactions. <i>Tetrahedron</i> , 1999 , 55, 2171-2182	2.4	3
29	Berberrubine Phosphate: A Selective Fluorescent Probe for Quadruplex DNA. <i>Molecules</i> , 2021 , 26,	4.8	3
28	Photoinduced Release of DNA-Binding Ligands from the [4+4] Dimers of Benzo[b]quinolizinium and Anthracene Derivatives. <i>ChemPhotoChem</i> , 2020 , 4, 520-525	3.3	2
27	Synthesis of 9-arylalkynyl- and 9-aryl-substituted benzo[b]quinolizinium derivatives by Palladium-mediated cross-coupling reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 1871-1884	2.5	2
26	The Influence Of The Substitutionpattern Of Acridizinium Salts On The Regioselectivity Of The Solid-State Photodimerization. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 390, 105-112	0.5	2
25	Differential scanning calorimetry in studies of solid-state reactions in photochromic materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 151, 83-88	4.7	2

24	Evaluation of the DNA-Binding Properties of Cationic Dyes by Absorption and Emission Spectroscopy 2004 , 172-190		2
23	Regioselectivity of the Di- π -Methane Rearrangements of 1,4-Dialkoxy-9,10-bis(methoxycarbonyl)dibenzobarrelenes in Solution and in the Solid State. <i>Synthesis</i> , 2001 , 112, 1175	2.9	2
22	Reactivity of a silanediyl towards nitriles – the role of azasilacyclopropenes as intermediates. <i>Tetrahedron Letters</i> , 1995 , 36, 8187-8190	2	2
21	Synthesis of 9-amino- and 9-sulfanyl-substituted benzo[b]quinolizinium derivatives. <i>Arkivoc</i> , 2007 , 2007, 136-149	0.9	2
20	Selective, pH-Dependent Colorimetric and Fluorimetric Detection of Quadruplex DNA with 4-Dimethylamino(phenyl)-Substituted Berberine Derivatives. <i>Chemistry - A European Journal</i> , 2021 , 27, 8580-8589	4.8	2
19	Efficient photoinduced DNA damage by coralyne. <i>Photochemistry and Photobiology</i> , 2006 , 82, 1572-6	3.6	2
18	Studies on the photocyclization reaction of 8-styryl-substituted coralyne derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020 , 57, 1435-1441	1.9	1
17	NMR-spectroscopic investigation of the complex between tetraazoniapentapheno[6,7-h]pentaphene and quadruplex DNA Tel26. <i>New Journal of Chemistry</i> , 2018 , 42, 13813-13818	3.6	1
16	Stereoselective Di- π -Methane Rearrangement of a BINOL-Substituted Dibenzobarrelene Derivative. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014 , 228, 229-242	3.1	1
15	Ethyl 1,6-dimethyl-2-oxo-4-(quinolin-4-yl)-1,2,3,4-tetra-hydro-pyrimidine-5-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o1762-3		1
14	Acridizinium Salts as a Novel Class of DNA-binding and Site-selective DNA-photodamaging Chromophores. <i>Photochemistry and Photobiology</i> , 2007 , 74, 505-511	3.6	1
13	Efficient Photoinduced DNA Damage by Coralyne. <i>Photochemistry and Photobiology</i> , 2006 , 82, 1572	3.6	1
12	Visible-Light-Induced Di- π -Methane Rearrangement of Dibenzobarrelene Derivatives. <i>ChemPhotoChem</i> , 2020 , 4, 132-137	3.3	1
11	Fluorimetric Detection of Zn, Mg, and Fe with 3-Hydroxy-4-Pyridylisoquinoline as Fluorescent Probe. <i>Journal of Fluorescence</i> , 2021 , 31, 269-277	2.4	1
10	Synthesis, DNA-binding and antiproliferative properties of diarylquinolizinium derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 878-890	3.9	1
9	DNA-Triggered Enhancement of Singlet Oxygen Production by Pyridinium Alkynylantracenes. <i>Chemistry - A European Journal</i> , 2021 , 27, 13591-13604	4.8	1
8	New Dyes Based on Amino-Substituted Acridizinium Salts-Synthesis and Exceptional Photochemical Properties 2000 , 6, 2854		1
7	Cation-induced ring-opening and oxidation reaction of photoreluctant spirooxazine-quinolizinium conjugates. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 904-916	2.5	0

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- 2 Cyclotrisilane and Silacyclopropane - An Equilibrium⁷⁵⁻⁷⁹
- 1 Cyclotrisilane and Silacyclopropane - An Equilibrium⁷⁵⁻⁷⁹