Beata Jedrzejewska

List of Publications by Citations

78 papers	993 citations	19 h-index	26 g-index
86 ext. papers	1,124 ext. citations	3.6 avg, IF	4.32 L-index

#	Paper	IF	Citations
78	The Influence of the π-Conjugated Spacer on Photophysical Properties of Difluoroboranyls Derived from Amides Carrying a Donor Group. *Journal of Organic Chemistry*, **2016**, 81, 2280-92	4.2	38
77	Substituent effects on the photophysical properties of fluorescent 2-benzoylmethylenequinoline difluoroboranes: A combined experimental and quantum chemical study. *Dyes and Pigments*, **2013**, 99, 957-965	4.6	37
76	Influence of substituent and benzoannulation on photophysical properties of 1-benzoylmethyleneisoquinoline difluoroborates. *Journal of Organic Chemistry*, **2015**, 80, 2072-80	4.2	36
75	Hemicyanine dyes: synthesis, structure and photophysical properties. *Dyes and Pigments*, **2003**, 58, 47-58	4.6	35
74	Styrylpyridinium borate salts as dye photoinitiators of free-radical polymerization. *Journal of Polymer Science Part A*, **2002**, 40, 1433-1440	2.5	32
73	Synthesis and Linear and Nonlinear Optical Properties of Three Push-Pull Oxazol-5(4H)-one Compounds. *Journal of Organic Chemistry*, **2015**, 80, 9641-51	4.2	30
72	Styryl dye possessing donor-π-acceptor structure – synthesis, spectroscopic and computational studies. *Dyes and Pigments*, **2013**, 99, 673-685	4.6	30
71	Photophysical Properties of Phenacylphenantridine Difluoroboranyls: Effect of Substituent and Double Benzannulation. *Journal of Organic Chemistry*, **2017**, 82, 1529-1537	4.2	28
70	Studies on an argon laser-induced photopolymerization employing both mono- and bischromophoric hemicyanine dye–borate complex as a photoinitiator: Part II. *Materials Chemistry and Physics*, **2008**, 111, 400-408	4.4	26
69	Development of fluorescence probes based on stilbazolium salts for monitoring free radical polymerization processes. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 1909-1917		25
68	Studies on an argon laser-induced photopolymerization employing both mono- and bischromophoric hemicyanine dye–borate complex as a photoinitiator. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 195, 105-115	4.7	24
67	The synthesis and the solvent and substituent effect on the spectroscopic characteristic of 3-ethyl-2-(p-substitued styryl)benzothiazolium iodides. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2005**, 62, 115-25	4.4	24
66	Asymmetric cyanine dyes as fluorescence probes and visible-light photoinitiators of free-radical polymerization processes. *Journal of Applied Polymer Science*, **2006**, 99, 207-217	2.9	23
65	Hemicyanine n-butyltriphenylborate salts as effective initiators of free-radical polymerization photoinitiated via photoinduced electron-transfer process. *Journal of Polymer Science Part A*, **2003**, 41, 3017-3026	2.5	23
64	Spectroscopic and nonlinear optical properties of new chalcone fluorescent probes for bioimaging applications: a theoretical and experimental study. *Journal of Molecular Modeling*, **2016**, 22, 125	2	23
63	Accelerated photobleaching of a cyanine dye in the presence of a ternary target DNA, PNA probe, dye catalytic complex: a molecular diagnostic. *Analytical Chemistry*, **2009**, 81, 2043-52	7.8	21
62	Stilbene-like molecules as fluorescent probes applied for monitoring of polymerization process. *Journal of Fluorescence*, **2006**, 16, 525-34	2.4	21

61	Developing of fluorescence probes based on stilbazolium salts for monitoring free radical polymerization processes. II. *Journal of Fluorescence*, **2004**, 14, 295-307	2.4	21
60	Photochemical preparation of polymer-clay composites. *Applied Clay Science*, **2004**, 25, 221-227	5.2	21
59	Phenyltrialkylborates as co-initiators with cyanine dyes in visible light polymerization of acrylates. *Polymer*, **2011**, 52, 2110-2119	3.9	19
58	Dichromophoric hemicyanine dyes. Synthesis and spectroscopic investigation. *Dyes and Pigments*, **2007**, 74, 262-268	4.6	19
57	Kinetic study of free-radical polymerization photoinitiated by cyanine-borate salts. II.. *Journal of Polymer Science Part A*, **2000**, 38, 2365-2374	2.5	19
56	Synthesis and Photophysical Properties of Novel Donor-Acceptor N-(Pyridin-2-yl)-Substituted Benzo(thio)amides and Their Difluoroboranyl Derivatives. *Journal of Physical Chemistry A*, **2016**, 120, 4116-23	2.8	18
55	The synthesis and spectroscopic investigation of dichromophoric hemicyanine dyes. *Dyes and Pigments*, **2009**, 80, 297-306	4.6	18
54	Solvent effects on the spectroscopic properties of styrylquinolinium dyes series. *Journal of Fluorescence*, **2010**, 20, 73-86	2.4	18
53	Synthesis, photophysical properties and systematic evaluations of new phenanthroimidazole fluorescent probe for bioimaging: Experimental and theoretical study. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 166, 74-85	6.7	17
52	Experimental and theoretical studies of the influence of solvent polarity on the spectral properties of two push-pull oxazol-5-(4H)-one compounds. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 171, 258-267	4.4	17
51	New heterobicationic hemicyanine dyes: Synthesis, spectroscopic properties, and photoinitiating ability. *Journal of Polymer Science Part A*, **2006**, 44, 6345-6359	2.5	17
50	Application of spectroscopic and theoretical methods in the studies of photoisomerization and photophysical properties of the push-pull styryl-benzimidazole dyes. *Photochemical and Photobiological Sciences*, **2016**, 15, 117-28	4.2	15
49	Synthesis, spectroscopic, physicochemical properties and binding site analysis of 4-(1H-phenanthro[9,10-d]-imidazol-2-yl)-benzaldehyde fluorescent probe for imaging in cell biology: Experimental and theoretical study. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 164, 112-122	6.7	14
48	Synthesis and photophysical properties of two-photon chromophores containing 1H-benzimidazole residue. *Dyes and Pigments*, **2014**, 111, 162-175	4.6	13
47	Unusually highly efficient, singlet state, visible light photoinitiators based on styrylbenzimidazolium phenyltributylborate photoredox pairs for vinyl monomers free radical polymerization. *Journal of Polymer Science Part A*, **2009**, 47, 4119-4129	2.5	13
46	Tetramethylammonium phenyltrialkylborates as co-initiators with novel two-cationic styrylbenzimidazolium dyes in highly efficient, visible light polymerization of acrylate. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 214, 276-283	4.7	13
45	Two-photon absorption of BF-carrying compounds: insights from theory and experiment. *Physical Chemistry Chemical Physics*, **2017**, 19, 5705-5708	3.6	12
44	Influence of the Nature of the Amino Group in Highly Fluorescent Difluoroborates Exhibiting Intramolecular Charge Transfer. *Journal of Organic Chemistry*, **2018**, 83, 7779-7788	4.2	12

43	Photostability of push-pull phenanthroimidazole derivative upon one- and two-photon excitation. *Dyes and Pigments*, **2017**, 136, 150-160	4.6	12
42	1,3-Bis[4-(p-aminostyryl)-pyridinyl]-propane dibromide derivatives: Synthesis and spectroscopic investigation. *Dyes and Pigments*, **2007**, 73, 361-367	4.6	11
41	Bischromophoric styrylpyridinium dyes. Spectroscopic properties of 1,3-bis-[4-(p-N,N-dialkylaminostyryl)pyridinyl]propane dibromides. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2007**, 67, 306-15	4.4	11
40	Novel N-ethyl-2-styrylquinolinium iodides as sensitizers in the photoinitiated free-radical polymerization of trimethylolopropane triacrylate. II. *Journal of Applied Polymer Science*, **2010**, 118, 165-172	2.9	10
39	Spectral and physicochemical properties of difluoroboranyls containing N,N-dimethylamino group studied by solvatochromic methods. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 199, 86-95	4.4	9
38	Factors affecting the TMPTA radical polymerization photoinitiated by phenyltrialkylborates paired with tri-cationic hemicyanine dye. Kinetic studies. *Colloid and Polymer Science*, **2013**, 291, 2225-2236	2.4	9
37	Styrylbenzimidazolium dye–borate complex as an effective, singlet state photoinitiator in an argon laser-induced TMPTA photopolymerization. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 209, 32-40	4.7	9
36	Influence of degree of methyl methacrylate polymerization on spectroscopic properties of ethyl 5-(4-aminophenyl)- and 5-(4-dimethylaminophenyl)-3-amino-2,4-dicyanobenzoate. *Journal of Luminescence*, **2013**, 134, 414-422	3.8	8
35	Styrylquinolinium borates as donor–acceptor initiators for sensitized photopolymerization of TMPTA. *Materials Chemistry and Physics*, **2009**, 117, 448-454	4.4	8
34	2-(1H-phenanthro[9,10-d]imidazol-2-yl)-phenyl-4-carboxylic acid N-hydroxysuccinimide ester: A new phenanthroimidazole derivative as a fluorescent probe for medical imaging applications. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 228, 117757	4.4	8
33	Synthesis, photophysical and biological properties of a new oxazolone fluorescent probe for bioimaging: an experimental and theoretical study. *Organic and Biomolecular Chemistry*, **2017**, 15, 8952-8966	3.9	7
32	Polymethine Dyes as Fluorescent Probes and Visible-Light Photoinitiators for Free Radical Polymerization. *Topics in Heterocyclic Chemistry*, **2008**, 183-220	0.2	7
31	The impact of the heteroatom in a five-membered ring on the photophysical properties of difluoroborates. *Dyes and Pigments*, **2019**, 170, 107481	4.6	6
30	Experimental and theoretical insight into spectroscopic properties and bioactivity of 4-(4-formylbenzylidene)-2-phenyloxazol-5(4H)-one dye for future applications in biochemistry. *Journal of Molecular Liquids*, **2020**, 314, 113632	6	6
29	One- and two-photon-induced isomerization of styryl compounds possessing A-π-A? structure. *Dyes and Pigments*, **2016**, 132, 237-247	4.6	6
28	Development of new heterobicationic monomethine dyes as effective photoinitiator of free radical polymerization in visible-light region. *Journal of Applied Polymer Science*, **2008**, 108, 1636-1645	2.9	6
27	Electron Transfer Photoinitiating Systems. The Effect of the Co-Initiator Structure on the Photoinitiation Ability of a Photoredox Pair Containing Neutral Hemicyanine Dyes as Sensitizers. *Macromolecular Materials and Engineering*, **2006**, 291, 646-654	3.9	6
26	Difluoroboranyl derivatives as efficient panchromatic photoinitiators in radical polymerization reactions. *Polymer Bulletin*, **2018**, 75, 3267-3281	2.4	6

25	Electron transfer processes in photoinitiating systems composed of hemicyanine sec-butyltriphenylborate ion pairs. *Polymer Bulletin*, **2005**, 54, 409-416	2.4	5
24	Hexaarylbisimidazoles and ketocyanine dyes as effective electron transfer photoinitiating systems. *Polimery*, **2002**, 47, 654-656	3.4	5
23	Controlling Two-Photon Action Cross Section by Changing a Single Heteroatom Position in Fluorescent Dyes. *Journal of Physical Chemistry Letters*, **2020**, 11, 5920-5925	6.4	4
22	The / photoisomerization in hydrogen bonded complexes with stability controlled by substituent effects: 3-(6-aminopyridin-3-yl)acrylate case study.. *RSC Advances*, **2018**, 8, 23698-23710	3.7	4
21	Applicability of hemicyanine phenyltrialkylborate salts as free-radical photoinitiators in the visible-light polymerization of acrylate. *Journal of Applied Polymer Science*, **2012**, 123, 3535-3544	2.9	4
20	Interaction of carbocyanine dyes with DNA: synthesis and spectroscopic studies. *Applied Spectroscopy*, **2013**, 67, 672-80	3.1	4
19	Synthesis of tetramethylammonium phenyltrialkylborate salts by the addition of alkyllithium reagents to a triorganylborane or organoboranylhalides. *Journal of Organometallic Chemistry*, **2011**, 696, 2135-2141	2.3	4
18	Dipole moment determination of 4-[N-(5,6,7,8-tetrahydroisoquinolinium-5-ylidene)methyl]-N,N-dialkylaniline iodides in solution. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 985-92	4.4	4
17	Onium Salts of Amino Acids as Co-Initiators in Photoinduced Free-Radical Polymerization. *Macromolecular Materials and Engineering*, **2006**, 291, 1179-1184	3.9	4
16	Photopolymerization of trimethylolpropane triacrylate induced by diselenide derivatives. *Polimery*, **2009**, 54, 417-420	3.4	4
15	An optical modulator on the pyrazolone-based bi-component system. *Dyes and Pigments*, **2020**, 172, 107805	4.5	4
14	Highly Effective Sensitizers Based on Merocyanine Dyes for Visible Light Initiated Radical Polymerization. *Polymers*, **2020**, 12,	4.5	3
13	Organosilicon sulfides as co-initiators in photoinduced free radical polymerization. *Polymer Bulletin*, **2006**, 56, 119-128	2.4	3
12	Photochemical preparation of polymer-clay composites. *Polimery*, **2002**, 47, 136-138	3.4	3
11	Hemicyanine sec-butyltriphenylborate salts as effective initiators of free radical polymerization initiated via photoinduced electron transfer process. Part II. Kinetic studies and application of electron transfer theory. *Polimery*, **2005**, 50, 418-423	3.4	3
10	Convenient Synthesis of p-Aminobenzoic Acids and their Methyl Esters. *Organic Preparations and Procedures International*, **2017**, 49, 45-52	1.1	2
9	Electrospray ionization collision induced dissociation of thiocarbocyanine and selenocarbocyanine dyes. *Journal of Mass Spectrometry*, **2019**, 54, 592-599	2.2	2
8	Synthesis and spectroscopic investigation of cationic donor-(-bridge)-acceptor dye, 4-[N-(5,6,7,8-tetrahydroisoquinolinium-5-ylidene)methyl]-N,N-dialkylaniline iodide. *Coloration Technology*, **2011**, 127, 288-296	2	2

7	Novel 6-bromo-3-ethyl-2-styrylbenzothiazolium n-butyl-triphenylborates as photoinitiators of trimethylolopropane triacrylate (TMPTA) polymerization. *Polymer Bulletin*, **2007**, 58, 691-701	2.4	2
6	Structural effect of oxazolone derivatives on the initiating abilities of dye-borate photoredox systems in radical polymerization under visible light.. *RSC Advances*, **2020**, 10, 21487-21494	3.7	1
5	Studies on an argon laser-induced photopolymerization employing both mono- and bischromophoric hemicyanine dye**B**orate complex as a photoinitiator. Part III. *Journal of Applied Polymer Science*, **2010**, 118, n/a-n/a	2.9	1
4	Silver-nanoparticle immobilized initiator and co-initiators for free radical polymerization. *Materials Letters*, **2008**, 62, 4260-4262	3.3	1
3	Fluorescent Chitosan Modified with Heterocyclic Aromatic Dyes. *Materials*, **2021**, 14,	3.5	1
2	Effect of the Chloro-Substitution on Electrochemical and Optical Properties of New Carbazole Dyes. *Materials*, **2021**, 14,	3.5	1
1	Synthesis and optical properties of linear and branched styrylpyridinium dyes in different environments. *Journal of Molecular Liquids*, **2022**, 356, 119007	6	0