

Beata Jedrzejewska

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Synthesis and optical properties of linear and branched styrylpyridinium dyes in different environments. <i>Journal of Molecular Liquids</i> , 2022 , 356, 119007	6	0
77	Fluorescent Chitosan Modified with Heterocyclic Aromatic Dyes. <i>Materials</i> , 2021 , 14,	3.5	1
76	Effect of the Chloro-Substitution on Electrochemical and Optical Properties of New Carbazole Dyes. <i>Materials</i> , 2021 , 14,	3.5	1
75	Experimental and theoretical insight into spectroscopic properties and bioactivity of 4-(4-formylbenzylidene)-2-phenyloxazol-5(4H)-one dye for future applications in biochemistry. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113632	6	6
74	Structural effect of oxazolone derivatives on the initiating abilities of dye-borate photoredox systems in radical polymerization under visible light.. <i>RSC Advances</i> , 2020 , 10, 21487-21494	3.7	1
73	Highly Effective Sensitizers Based on Merocyanine Dyes for Visible Light Initiated Radical Polymerization. <i>Polymers</i> , 2020 , 12,	4.5	3
72	Controlling Two-Photon Action Cross Section by Changing a Single Heteroatom Position in Fluorescent Dyes. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5920-5925	6.4	4
71	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117757	4.4	8
70	An optical modulator on the pyrazolone-based bi-component system. <i>Dyes and Pigments</i> , 2020 , 172, 107805	4.05	4
69	Electrospray ionization collision induced dissociation of thiocarbocyanine and selenocarbocyanine dyes. <i>Journal of Mass Spectrometry</i> , 2019 , 54, 592-599	2.2	2
68	The impact of the heteroatom in a five-membered ring on the photophysical properties of difluoroborates. <i>Dyes and Pigments</i> , 2019 , 170, 107481	4.6	6
67	Spectral and physicochemical properties of difluoroboranyl containing N,N-dimethylamino group studied by solvatochromic methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 199, 86-95	4.4	9
66	Influence of the Nature of the Amino Group in Highly Fluorescent Difluoroborates Exhibiting Intramolecular Charge Transfer. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7779-7788	4.2	12
65	The / photoisomerization in hydrogen bonded complexes with stability controlled by substituent effects: 3-(6-aminopyridin-3-yl)acrylate case study.. <i>RSC Advances</i> , 2018 , 8, 23698-23710	3.7	4
64	Difluoroboranyl derivatives as efficient panchromatic photoinitiators in radical polymerization reactions. <i>Polymer Bulletin</i> , 2018 , 75, 3267-3281	2.4	6
63	Photophysical Properties of Phenacylphenanthridine Difluoroboranyl: Effect of Substituent and Double Benzannulation. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1529-1537	4.2	28
62	Convenient Synthesis of p-Aminobenzoic Acids and their Methyl Esters. <i>Organic Preparations and Procedures International</i> , 2017 , 49, 45-52	1.1	2

61	Two-photon absorption of BF-carrying compounds: insights from theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5705-5708	3.6	12
60	Synthesis, photophysical and biological properties of a new oxazolone fluorescent probe for bioimaging: an experimental and theoretical study. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 8952-8966	3.9	7
59	Synthesis, photophysical properties and systematic evaluations of new phenanthroimidazole fluorescent probe for bioimaging: Experimental and theoretical study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017 , 166, 74-85	6.7	17
58	Experimental and theoretical studies of the influence of solvent polarity on the spectral properties of two push-pull oxazol-5-(4H)-one compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 171, 258-267	4.4	17
57	Photostability of push-pull phenanthroimidazole derivative upon one- and two-photon excitation. <i>Dyes and Pigments</i> , 2017 , 136, 150-160	4.6	12
56	One- and two-photon-induced isomerization of styryl compounds possessing A- π -A structure. <i>Dyes and Pigments</i> , 2016 , 132, 237-247	4.6	6
55	Synthesis and Photophysical Properties of Novel Donor-Acceptor N-(Pyridin-2-yl)-Substituted Benzo(thio)amides and Their Difluoroboranyl Derivatives. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 4116-23	2.8	18
54	The Influence of the π -Conjugated Spacer on Photophysical Properties of Difluoroboranyls Derived from Amides Carrying a Donor Group. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2280-92	4.2	38
53	Application of spectroscopic and theoretical methods in the studies of photoisomerization and photophysical properties of the push-pull styryl-benzimidazole dyes. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 117-28	4.2	15
52	Spectroscopic and nonlinear optical properties of new chalcone fluorescent probes for bioimaging applications: a theoretical and experimental study. <i>Journal of Molecular Modeling</i> , 2016 , 22, 125	2	23
51	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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 164, 112-122	6.7	14
50	Synthesis and Linear and Nonlinear Optical Properties of Three Push-Pull Oxazol-5(4H)-one Compounds. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9641-51	4.2	30
49	Influence of substituent and benzoannulation on photophysical properties of 1-benzoylmethyleneisoquinoline difluoroborates. <i>Journal of Organic Chemistry</i> , 2015 , 80, 2072-80	4.2	36
48	Synthesis and photophysical properties of two-photon chromophores containing 1H-benzimidazole residue. <i>Dyes and Pigments</i> , 2014 , 111, 162-175	4.6	13
47	Factors affecting the TMPTA radical polymerization photoinitiated by phenyltrialkylborates paired with tri-cationic hemicyanine dye. Kinetic studies. <i>Colloid and Polymer Science</i> , 2013 , 291, 2225-2236	2.4	9
46	Influence of degree of methyl methacrylate polymerization on spectroscopic properties of ethyl 5-(4-aminophenyl)- and 5-(4-dimethylaminophenyl)-3-amino-2,4-dicyanobenzoate. <i>Journal of Luminescence</i> , 2013 , 134, 414-422	3.8	8
45	Substituent effects on the photophysical properties of fluorescent 2-benzoylmethylenequinoline difluoroboranes: A combined experimental and quantum chemical study. <i>Dyes and Pigments</i> , 2013 , 99, 957-965	4.6	37
44	Styryl dye possessing donor-acceptor structure: Synthesis, spectroscopic and computational studies. <i>Dyes and Pigments</i> , 2013 , 99, 673-685	4.6	30

43	Interaction of carbocyanine dyes with DNA: synthesis and spectroscopic studies. <i>Applied Spectroscopy</i> , 2013 , 67, 672-80	3.1	4
42	Applicability of hemicyanine phenyltrialkylborate salts as free-radical photoinitiators in the visible-light polymerization of acrylate. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 3535-3544	2.9	4
41	Synthesis and spectroscopic investigation of cationic donor-(Ebridge)-acceptor dye, 4-[N-(5,6,7,8-tetrahydroisoquinolinium-5-ylidene)methyl]-N,N-dialkylaniline iodide. <i>Coloration Technology</i> , 2011 , 127, 288-296	2	2
40	Synthesis of tetramethylammonium phenyltrialkylborate salts by the addition of alkylolithium reagents to a triorganylborane or organoboranylhalides. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2135-2141	2.3	4
39	Dipole moment determination of 4-[N-(5,6,7,8-tetrahydroisoquinolinium-5-ylidene)methyl]-N,N-dialkylaniline iodides in solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 985-92	4.4	4
38	Phenyltrialkylborates as co-initiators with cyanine dyes in visible light polymerization of acrylates. <i>Polymer</i> , 2011 , 52, 2110-2119	3.9	19
37	Solvent effects on the spectroscopic properties of styrylquinolinium dyes series. <i>Journal of Fluorescence</i> , 2010 , 20, 73-86	2.4	18
36	Novel N-ethyl-2-styrylquinolinium iodides as sensitizers in the photoinitiated free-radical polymerization of trimethylolpropane triacrylate. II. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 165-172	2.9	10
35	Studies on an argon laser-induced photopolymerization employing both mono- and bischromophoric hemicyanine dyeBorate complex as a photoinitiator. Part III. <i>Journal of Applied Polymer Science</i> , 2010 , 118, n/a-n/a	2.9	1
34	Styrylbenzimidazolium dyeBorate complex as an effective, singlet state photoinitiator in an argon laser-induced TMPTA photopolymerization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 209, 32-40	4.7	9
33	Tetramethylammonium phenyltrialkylborates as co-initiators with novel two-cationic styrylbenzimidazolium dyes in highly efficient, visible light polymerization of acrylate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 214, 276-283	4.7	13
32	Styrylquinolinium borates as donor-acceptor initiators for sensitized photopolymerization of TMPTA. <i>Materials Chemistry and Physics</i> , 2009 , 117, 448-454	4.4	8
31	Unusually highly efficient, singlet state, visible light photoinitiators based on styrylbenzimidazolium phenyltributylborate photoredox pairs for vinyl monomers free radical polymerization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4119-4129	2.5	13
30	The synthesis and spectroscopic investigation of dichromophoric hemicyanine dyes. <i>Dyes and Pigments</i> , 2009 , 80, 297-306	4.6	18
29	Accelerated photobleaching of a cyanine dye in the presence of a ternary target DNA, PNA probe, dye catalytic complex: a molecular diagnostic. <i>Analytical Chemistry</i> , 2009 , 81, 2043-52	7.8	21
28	Photopolymerization of trimethylolpropane triacrylate induced by diselenide derivatives. <i>Polimery</i> , 2009 , 54, 417-420	3.4	4
27	Studies on an argon laser-induced photopolymerization employing both mono- and bischromophoric hemicyanine dyeBorate complex as a photoinitiator: Part II. <i>Materials Chemistry and Physics</i> , 2008 , 111, 400-408	4.4	26
26	Silver-nanoparticle immobilized initiator and co-initiators for free radical polymerization. <i>Materials Letters</i> , 2008 , 62, 4260-4262	3.3	1

25	Polymethine Dyes as Fluorescent Probes and Visible-Light Photoinitiators for Free Radical Polymerization. <i>Topics in Heterocyclic Chemistry</i> , 2008 , 183-220	0.2	7
24	Development of new heterobicationic monomethine dyes as effective photoinitiator of free radical polymerization in visible-light region. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1636-1645	2.9	6
23	Studies on an argon laser-induced photopolymerization employing both mono- and bischromophoric hemicyanine dyeBorate complex as a photoinitiator. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 195, 105-115	4.7	24
22	1,3-Bis[4-(p-aminostyryl)-pyridinyl]-propane dibromide derivatives: Synthesis and spectroscopic investigation. <i>Dyes and Pigments</i> , 2007 , 73, 361-367	4.6	11
21	Dichromophoric hemicyanine dyes. Synthesis and spectroscopic investigation. <i>Dyes and Pigments</i> , 2007 , 74, 262-268	4.6	19
20	Bischromophoric styrylpyridinium dyes. Spectroscopic properties of 1,3-bis-[4-(p-N,N-dialkylaminostyryl)pyridinyl]propane dibromides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 306-15	4.4	11
19	Novel 6-bromo-3-ethyl-2-styrylbenzothiazolium n-butyl-triphenylborates as photoinitiators of trimethylolpropane triacrylate (TMPTA) polymerization. <i>Polymer Bulletin</i> , 2007 , 58, 691-701	2.4	2
18	Organosilicon sulfides as co-initiators in photoinduced free radical polymerization. <i>Polymer Bulletin</i> , 2006 , 56, 119-128	2.4	3
17	Asymmetric cyanine dyes as fluorescence probes and visible-light photoinitiators of free-radical polymerization processes. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 207-217	2.9	23
16	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. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 646-654	3.9	6
15	Onium Salts of Amino Acids as Co-Initiators in Photoinduced Free-Radical Polymerization. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 1179-1184	3.9	4
14	New heterobicationic hemicyanine dyes: Synthesis, spectroscopic properties, and photoinitiating ability. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 6345-6359	2.5	17
13	Stilbene-like molecules as fluorescent probes applied for monitoring of polymerization process. <i>Journal of Fluorescence</i> , 2006 , 16, 525-34	2.4	21
12	The synthesis and the solvent and substituent effect on the spectroscopic characteristic of 3-ethyl-2-(p-substitued styryl)benzothiazolium iodides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 115-25	4.4	24
11	Electron transfer processes in photoinitiating systems composed of hemicyanine sec-butyltriphenylborate ion pairs. <i>Polymer Bulletin</i> , 2005 , 54, 409-416	2.4	5
10	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. <i>Polimery</i> , 2005 , 50, 418-423	3.4	3
9	Developing of fluorescence probes based on stilbazolium salts for monitoring free radical polymerization processes. II. <i>Journal of Fluorescence</i> , 2004 , 14, 295-307	2.4	21
8	Photochemical preparation of polymer-clay composites. <i>Applied Clay Science</i> , 2004 , 25, 221-227	5.2	21

7	Hemicyanine n-butyltriphenylborate salts as effective initiators of free-radical polymerization photoinitiated via photoinduced electron-transfer process. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 3017-3026	2.5	23
6	Hemicyanine dyes: synthesis, structure and photophysical properties. <i>Dyes and Pigments</i> , 2003 , 58, 47-58	4.6	35
5	Styrylpyridinium borate salts as dye photoinitiators of free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1433-1440	2.5	32
4	Photochemical preparation of polymer-clay composites. <i>Polimery</i> , 2002 , 47, 136-138	3.4	3
3	Hexaarylbisimidazoles and ketocyanine dyes as effective electron transfer photoinitiating systems. <i>Polimery</i> , 2002 , 47, 654-656	3.4	5
2	Kinetic study of free-radical polymerization photoinitiated by cyanine-borate salts. II.. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 2365-2374	2.5	19
1	Development of fluorescence probes based on stilbazolium salts for monitoring free radical polymerization processes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 1909-1917		25