Marek Pietrzak

List of Publications by Year
in descending order

38	749	430874 18	526287 27
papers	citations	h-index	g-index

39	39	39	575
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetic studies of a new photoinitiator hybrid system based on camphorquinone-N-phenylglicyne derivatives for laser polymerization of dental restorative and stereolithographic (3D) formulations. Polymer, 1996, 37, 4585-4591.	3.8	61
2	Generalization of the Kinetic Scheme for Photoinduced Polymerization via an Intermolecular Electron Transfer Process. 2. Application of the Marcus Theory. Macromolecules, 1996, 29, 5057-5064.	4.8	59
3	Cyanine Borates Revisited. Application of the Marcus Equation for the Description of the Kinetics of Photoinitiated Free Radical Polymerization. IV.. Macromolecules, 1998, 31, 4651-4654.	4.8	50
4	Free radical polymerization initiated via photoinduced intermolecular electron transfer process: kinetic study 3. Polymer, 1999, 40, 735-745.	3.8	49
5	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.	3.7	42
6	Hemicyanine dyes: synthesis, structure and photophysical properties. Dyes and Pigments, 2003, 58, 47-58.	3.7	40
7	Styrylpyridinium borate salts as dye photoinitiators of free-radical polymerization. Journal of Polymer Science Part A, 2002, 40, 1433-1440.	2.3	35
8	Styryl dye possessing donor-Ï€-acceptor structure â€“ Synthesis, spectroscopic and computational studies. Dyes and Pigments, 2013, 99, 673-685.	3.7	33
9	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.	0.9	28
10	Developing of Fluorescence Probes Based on Stilbazolium Salts for Monitoring Free Radical Polymerization Processes. II. Journal of Fluorescence, 2004, 14, 295-307.	2.5	25
11	A Novel Approach to the Preparation of Dissociative Electron Transfer Photoinitiators for Free Radical Polymerization. Macromolecules, 2004, 37, 41-44.	4.8	25
12	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.	1.8	25
13	Novel sulfurâ€"containing benzophenone derivative as radical photoinitiator for photopolymerization. Journal of Applied Polymer Science, 2011, 122, 2604-2608.	2.6	23
14	Influence of the Nature of the Amino Group in Highly Fluorescent Difluoroborates Exhibiting Intramolecular Charge Transfer. Journal of Organic Chemistry, 2018, 83, 7779-7788.	3.2	22
15	Phenyltrialkylborates as co-initiators with cyanine dyes in visible light polymerization of acrylates. Polymer, 2011, 52, 2110-2119.	3.8	21
16	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.	3.8	21
17	Development of New Dyeing Photoinitiators Based on Azomethine Dyes. Chemistry of Materials, 1998, 10, 3555-3561.	6.7	20
18	Solvent Effects on the Spectroscopic Properties of Styrylquinolinium Dyes Series. Journal of Fluorescence, 2010, 20, 73-86.	2.5	20

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19	Unexpected Hofmann Elimination in the Benzophenoneâˆ'(Phenylthio)acetic Tetrabutylammonium Salt Photoredox System. Journal of the American Chemical Society, 2003, 125, 11182-11183.	13.7	17
20	Association of N-(Pyridin-2-yl),Nâ€²-substituted Ureas with 2-Amino-1,8-naphthyridines and Benzoates: NMR and Quantum Chemical Studies of the Substituent Effect on Complexation. Journal of Organic Chemistry, 2013, 78, 7582-7593.	3.2	17
21	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.	3.8	15
22	Benzophenoneâˆ'Phenylthioacetic Acid Tetraalkylammonium Salts as Effective Initiators of Free-Radical Photopolymerization of Vinyl Monomers, Mechanistic Studies. Macromolecules, 2007, 40, 8642-8648.	4.8	14
23	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.	3.9	14
24	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.	2.3	13
25	Novel Nâ€ethylâ€2â€styrylquinolinium iodides as sensitizers in the photoinitiated freeâ€radical polymerization of trimethylolopropane triacrylate. II. Journal of Applied Polymer Science, 2010, 118, 165-172.	2.6	10
26	Conformational equilibrium in supramolecular chemistry: Dibutyltriuret case. Beilstein Journal of Organic Chemistry, 2015, 11, 2105-2116.	2.2	8
27	5-Phenyl-1,2,3,4-tetrahydronaphthalene derivatives: Synthesis, spectroscopic and electrochemical investigation. Dyes and Pigments, 2013, 96, 63-70.	3.7	7
28	Benzophenoneâ€(phenylthio)acetic acid phosphonium salts as initiators of freeâ€radical photopolymerization of vinyl monomers: Mechanistic studies. Journal of Polymer Science Part A, 2008, 46, 8013-8022.	2.3	5
29	Kinetics and mechanism of sensitized photooxidation of tetramethylammonium salt of 2-(phenylthio)acetic acid in solution. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 250-255.	3.9	5
30	Applicability of hemicyanine phenyltrialkylborate salts as freeâ€radical photoinitiators in the visibleâ€light polymerization of acrylate. Journal of Applied Polymer Science, 2012, 123, 3535-3544.	2.6	5
31	Synthesis of tetramethylammonium phenyltrialkylborate salts by the addition of alkyllithium reagents to a triorganylborane or organoboranylhalides. Journal of Organometallic Chemistry, 2011, 696, 2135-2141.	1.8	4
32	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, 985-992.	3.9	4
33	Convenient Synthesis of p-Aminobenzoic Acids and their Methyl Esters. Organic Preparations and Procedures International, 2017, 49, 45-52.	1.3	4
34	Experimental and Theoretical Studies of the Spectroscopic Properties of Chalcone Derivatives. Journal of Fluorescence, 2017, 27, 537-549.	2.5	3
35	Preferential encapsulation of different conformers of ethyl 5-(4-dimethylaminophenyl)-3-amino-2,4-dicyanobenzoate in Î³-cyclodextrins. Journal of Molecular Liquids, 2020, 302, 112430.	4.9	3
36	Silver-nanoparticle immobilized initiator and co-initiators for free radical polymerization. Materials Letters, 2008, 62, 4260-4262.	2.6	1

#	Article	IF	Citations
37	Aromatic Amines in Organic Synthesis. Part II. p-Aminocinnamaldehydes. Molecules, 2021, 26, 4360.	3.8	1
38	Formation of cationâ€“radical anion pairs derived from carboxybenzophenoneâ€“tetrabutylammonium salts. Pulse radiolysis studies. Research on Chemical Intermediates, 2009, 35, 389-399.	2.7	0