Janina Kabatc

List of Publications by Citations

87 papers	1,201 citations	20 h-index	28 g-index
95 ext. papers	1,341 ext. citations	3.5 avg, IF	4.73 L-index

#	Paper	IF	Citations
87	The experimental studies on the determination of the ground and excited state dipole moments of some hemicyanine dyes. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2006**, 63, 524-31	4.4	72
86	Photopolymerization reactions initiated by a visible light photoinitiating system: Cyanine dye/borate salt/1,3,5-triazine. *Journal of Polymer Science Part A*, **2007**, 45, 3626-3636	2.5	62
85	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	5.5	47
84	Free radical polymerization initiated via photoinduced intermolecular electron transfer process: kinetic study 3. *Polymer*, **1999**, 40, 735-745	3.9	43
83	Free radical formation in three-component photoinitiating systems. *Polymer*, **2012**, 53, 1973-1980	3.9	42
82	New kinetic and mechanistic aspects of photosensitization of iodonium salts in photopolymerization of acrylates. *RSC Advances*, **2017**, 7, 41619-41629	3.7	38
81	Hemicyanine dyes: synthesis, structure and photophysical properties. *Dyes and Pigments*, **2003**, 58, 47-58	4.6	35
80	Styrylpyridinium borate salts as dye photoinitiators of free-radical polymerization. *Journal of Polymer Science Part A*, **2002**, 40, 1433-1440	2.5	32
79	Cyanine borates revisited. Study of the kinetics of photoinitiated free radical polymerization via intermolecular electron transfer process. *Perkin Transactions II RSC*, **2002**, 287-295		32
78	One Photon□Two Free Radical Photoinitiating Systems. Novel Approach to the Preparation of Dissociative, Multicomponent, Electron-Transfer Photoinitiators for Free Radical Polymerization. *Macromolecules*, **2005**, 38, 9985-9992	5.5	28
77	Photoreactive UV-crosslinkable solvent-free acrylic pressure-sensitive adhesives containing copolymerizable photoinitiators based on benzophenones. *European Polymer Journal*, **2012**, 48, 1446-1454	5.2	25
76	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
75	Squarylium dye and onium salts as highly sensitive photoradical generators for blue light. *Polymer Chemistry*, **2017**, 8, 3464-3474	4.9	23
74	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
73	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
72	Monomeric asymmetric two- and three-cationic monomethine cyanine dyes as novel photoinitiators for free-radical polymerization. *Dyes and Pigments*, **2010**, 86, 133-142	4.6	22
71	An argon laser induced polymerization photoinitiated by both mono- and bichromophoric hemicyanine dye□borate salt ion pairs. The synthesis, spectroscopic, electrochemical and kinetic studies. *Polymer*, **2009**, 50, 57-67	3.9	21

70	Stilbene-like molecules as fluorescent probes applied for monitoring of polymerization process. *Journal of Fluorescence*, **2006**, 16, 525-34	2.4	21
69	UV-crosslinkable acrylic pressure-sensitive adhesives for industrial application. *Polymer Bulletin*, **2012**, 69, 71-80	2.4	20
68	The application of halomethyl 1,3,5-triazine as a photoinitiator or co-initiator for acrylate monomer polymerization. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 219, 16-25	4.7	20
67	The cyanine dye/trichloromethyl-1,3,5-triazine/thiols in two- and three-component photoinitiating systems for free radical polymerization. *Journal of Polymer Science Part A*, **2010**, 48, 4243-4251	2.5	20
66	Dichromophoric hemicyanine dyes. Synthesis and spectroscopic investigation. *Dyes and Pigments*, **2007**, 74, 262-268	4.6	19
65	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
64	High speed three-component photoinitiating systems composed of cyanine dyes borate salt and heteroaromatic thiols. *Polymer*, **2010**, 51, 5028-5036	3.9	18
63	New heterobicationic hemicyanine dyes: Synthesis, spectroscopic properties, and photoinitiating ability. *Journal of Polymer Science Part A*, **2006**, 44, 6345-6359	2.5	17
62	The photophysical and photochemical properties of the oxacarbocyanine and thiacarbocyanine dyes. *Dyes and Pigments*, **2004**, 61, 1-16	4.6	17
61	Photoreactive UV-crosslinkable acrylic pressure-sensitive adhesives containing type-II photoinitiators. *European Polymer Journal*, **2011**, 47, 225-229	5.2	16
60	Thermal stability of poly(2-ethylhexyl acrylates) used as plasticizers for medical application. *Polymer Bulletin*, **2013**, 70, 1911-1918	2.4	15
59	Influence of selected photoinitiators on important properties of photoreactive acrylic pressure-sensitive adhesives. *Journal of Applied Polymer Science*, **2012**, 123, 118-123	2.9	14
58	New Squaraine-based two-component initiation systems for UV-blue light induced radical polymerization: Kinetic and time-resolved laser spectroscopy studies. *Journal of Polymer Science Part A*, **2017**, 55, 471-484	2.5	14
57	New two- and three-cationic polymethine dyes. Synthesis, properties and application. *Dyes and Pigments*, **2015**, 112, 24-33	4.6	13
56	Onium salts improve the kinetics of photopolymerization of acrylate activated with visible light.. *RSC Advances*, **2020**, 10, 24817-24829	3.7	12
55	The synthesis and spectroscopic studies of new aniline-based squarylium dyes. *Dyes and Pigments*, **2016**, 133, 273-279	4.6	12
54	1,3-Bis(phenylamino)squaraine Photophysical and photochemical properties. *Dyes and Pigments*, **2016**, 127, 179-186	4.6	12
53	Influence of selected photoinitiators type II on tack, peel adhesion, and shear strength of UV-crosslinked solvent-borne acrylic pressure-sensitive adhesives used for medical applications. *Polymer Bulletin*, **2012**, 68, 441-452	2.4	12

52	Acceleration of the free radical polymerization by using N-alkoxypyridinium salt as co-initiator in hemicyanine dye/borate salt photoinitiating system. *Journal of Photochemistry and Photobiology A: Chemistry*, **2006**, 184, 184-192	4.7	12
51	Photoreactive s-triazine as crosslinking agents for UV-crosslinkable acrylic pressure-sensitive adhesives. *Journal of Applied Polymer Science*, **2011**, 120, 3621-3627	2.9	11
50	N-methylpicolinium derivatives as the coinitiators in photoinitiating systems for vinyl monomers polymerization. *Journal of Polymer Science Part A*, **2009**, 47, 576-588	2.5	11
49	Bichromophoric hemicyanine dyes as fluorescence probes applied for monitoring of the photochemically initiated polymerization. *Journal of Molecular Structure*, **2011**, 985, 95-104	3.4	11
48	Multicationic monomethine dyes as sensitizers in two- and three-component photoinitiating systems for multiacrylate monomers. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 214, 74-85	4.7	11
47	1,3-Bis[4-(p-aminostyryl)-pyridinyl]-propane dibromide derivatives: Synthesis and spectroscopic investigation. *Dyes and Pigments*, **2007**, 73, 361-367	4.6	11
46	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
45	The influence of a radical structure on the kinetics of photopolymerization. *Journal of Polymer Science Part A*, **2017**, 55, 1575-1589	2.5	10
44	Squaric acid derivative effects on the kinetics of photopolymerization of different monomers. *RSC Advances*, **2016**, 6, 74715-74725	3.7	10
43	Three-cationic carbocyanine dyes as sensitizers in very efficient photoinitiating systems for multifunctional monomer polymerization. *Journal of Polymer Science Part A*, **2009**, 47, 4636-4654	2.5	10
42	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
41	UV-initiated crosslinking of photoreactive acrylic pressure-sensitive adhesives using excimer-laser. *Polymer Bulletin*, **2013**, 70, 479-488	2.4	9
40	New fluorescence probes for biomolecules. *Molecules*, **2015**, 20, 13071-9	4.8	9
39	Novel pyridinium derivatives as very efficient photoinitiators for UV-activated synthesis of acrylic pressure-sensitive adhesives. *International Journal of Adhesion and Adhesives*, **2011**, 31, 634-638	3.4	9
38	The photooxidative sensitization of bis(-substituted diphenyl)iodonium salts in the radical polymerization of acrylates.. *RSC Advances*, **2019**, 9, 28490-28499	3.7	8
37	Novel, N-ethyl-2-styrylquinolinum iodides as fluorophores for monitoring of polymerization process, Part I. *Dyes and Pigments*, **2009**, 82, 372-378	4.6	8
36	One photon two radical-electron transfer photoinitiators. 2-(o-, m-, or p-Methoxypyridine)-p-pyrrolidinestyrilium methyl sulfates as photoinitiators of free radical polymerization. *Polymer*, **2006**, 47, 2699-2705	3.9	8
35	Fluorescent amino-substituted squaraine probes for bovine serum albumin. *Coloration Technology*, **2017**, 133, 170-177	2	7

34	Two-cationic 2-methylbenzothiazole derivatives as green light absorbed sensitizers in initiation of free radical polymerization. *Colloid and Polymer Science*, **2015**, 293, 1865-1876	2.4	7
33	Photocrosslinking of solvent-based acrylic pressure-sensitive adhesives (PSA) by the use of selected photoinitiators type I. *Journal of Adhesion Science and Technology*, **2013**, 27, 2398-2410	2	7
32	New N-(carboxyethyl)-2-methylbenzothiazole-based hemicyanine dyes: Synthesis, spectra, photostability and association with bovine serum albumin. *Journal of Molecular Structure*, **2015**, 1084, 114-121	3.4	7
31	The synthesis, spectroscopic and electrochemical properties, and application of new dyeing photoinitiator systems for acrylate monomers polymerization. *Dyes and Pigments*, **2012**, 92, 724-731	4.6	7
30	The three-component radical photoinitiating systems comprising thiacarbocyanine dye, n-butyltriphenylborate salt and N-alkoxypyridinium salt or 1,3,5-triazine derivative. *Materials Chemistry and Physics*, **2011**, 125, 118-124	4.4	7
29	Polymethine Dyes as Fluorescent Probes and Visible-Light Photoinitiators for Free Radical Polymerization. *Topics in Heterocyclic Chemistry*, **2008**, 183-220	0.2	7
28	Visible light photoinitiating systems based on squaraine dye: kinetic, mechanistic and laser flash photolysis studies. *RSC Advances*, **2016**, 6, 103851-103863	3.7	7
27	Xylene-1,4-bis[4-(p-pyrrolidinostyryl)benzothiazolium borate] salt as new functional dye. *Dyes and Pigments*, **2015**, 114, 144-145	4.6	6
26	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
25	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
24	Highly efficient UV-Vis light activated three-component photoinitiators composed of tris(trimethylsilyl)silane for polymerization of acrylates. *Polymer Chemistry*, **2020**, 11, 5500-5511	4.9	6
23	Hemicyanine dyes derived from 2,3,3-trimethyl-3H-indolium as candidates for non-covalent protein probes. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 114, 433-40	3.5	5
22	Electron transfer processes in photoinitiating systems composed of hemicyanine sec-butyltriphenylborate ion pairs. *Polymer Bulletin*, **2005**, 54, 409-416	2.4	5
21	Novel 1,3-bis(p-substituted phenylamino)squaraine dyes. The synthesis and spectroscopic studies. *Dyes and Pigments*, **2019**, 170, 107596	4.6	4
20	2-Methylbenzothiazolium derivatives as cationic photoreactive crosslinker for acrylic pressure-sensitive adhesives containing oxirane groups from glycidyl methacrylate. *International Journal of Adhesion and Adhesives*, **2018**, 80, 39-42	3.4	4
19	N-methylpicolinium esters as co-initiators in dye photosensitiser systems for the polymerisation of acrylate monomers. *Coloration Technology*, **2011**, 127, 314-321	2	4
18	What affects the rate of free radical polymerization of a multifunctional acrylate photoinitiated by cyanine borate salts? Part II. Application of electron transfer theory. *Polimery*, **2003**, 48, 425-433	3.4	4
17	The N-(2-carboxyethyl)hemicyanine dyes. Synthesis, properties and quantum-chemical calculations. *Journal of Molecular Liquids*, **2015**, 202, 141-147	6	3

16	Double role of squarylium dye: Fluorescence probe for biomolecule determination and photosensitizer in dyeing photoinitiating system. *Journal of Molecular Liquids*, **2015**, 212, 196-202	6	3
15	Application of selected 2-methylbenzothiazoles AS cationic photoreactive crosslinkers for pressure-sensitive adhesives based on acrylics. *International Journal of Adhesion and Adhesives*, **2015**, 58, 1-6	3.4	3
14	Factors that influence the spectroscopic properties of 1,3-bis[p-substituted-(phenylamino)]squaraines. *Dyes and Pigments*, **2016**, 130, 226-232	4.6	3
13	N-alkoxypyridinium salts as coinitiators in radical polymerization: Synthesis and Photochemical Properties. *Journal of Polymer Science Part A*, **2017**, 55, 2840-2850	2.5	3
12	Synthesis, properties, and application of new benzothiazole-based sensitisers in polymer chemistry. *Coloration Technology*, **2015**, 131, 183-191	2	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	Cyclic acetals as the second co-initiators in three-component photoinitiating systems. *Polymer Bulletin*, **2012**, 68, 667-679	2.4	2
9	Visible light-induced polymerization initiated by borate salts of bicationic monochromophoric benzothiazolestyrylium dyes. *Colloid and Polymer Science*, **2014**, 292, 3157-3168	2.4	2
8	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
7	Application of styrylquinolinium dyes as spectroscopic probes in radical polymerization process. *Polimery*, **2007**, 52, 556-561	3.4	2
6	Chapter 2:Long-wavelength-sensitive Radical Photoinitiators. *RSC Polymer Chemistry Series*, **2018**, 14-73	1.3	2
5	Novel Photoreactive Pressure-Sensitive Adhesives (PSA) Based on Acrylics Containing Additionable Photoinitiators. *Materials*, **2020**, 13,	3.5	2
4	Bimolecular fluorescence quenching of benzoxazole/benzothiazole-based functional dyes. *Journal of Molecular Liquids*, **2020**, 313, 113489	6	1
3	Novel photoinitiators based on difluoroborate complexes of squaraine dyes for radical polymerization of acrylates upon visible light. *Polymer Chemistry*, **2022**, 13, 220-234	4.9	1
2	Study of UV-initiated polymerization and UV crosslinking of acrylic monomers mixture for the production of solvent-free pressure-sensitive adhesive films. *Polymer Testing*, **2022**, 105, 107424	4.5	1
1	Influence of an Alkoxylation Grade of Acrylates on Shrinkage of UV-Curable Compositions. *Polymers* , **2020**, 12,	4.5	1