

# Janina Kabatc

## List of Publications by Year in descending order

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94  
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1,484  
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299104

20  
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366961

31  
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95  
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95  
docs citations

95  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	The experimental studies on the determination of the ground and excited state dipole moments of some hemicyanine dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 524-531.	4.0	78
2	Photopolymerization reactions initiated by a visible light photoinitiating system: Cyanine dye/borate salt/1,3,5-triazine. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3626-3636.	2.4	66
3	Cyanine Borates Revisited. Application of the Marcus Equation for the Description of the Kinetics of Photoinitiated Free Radical Polymerization. IV.. <i>Macromolecules</i> , 1998, 31, 4651-4654.	5.1	51
4	Free radical polymerization initiated via photoinduced intermolecular electron transfer process: kinetic study 3. <i>Polymer</i> , 1999, 40, 735-745.	3.9	51
5	New kinetic and mechanistic aspects of photosensitization of iodonium salts in photopolymerization of acrylates. <i>RSC Advances</i> , 2017, 7, 41619-41629.	3.7	46
6	Free radical formation in three-component photoinitiating systems. <i>Polymer</i> , 2012, 53, 1973-1980.	3.9	43
7	Hemicyanine dyes: synthesis, structure and photophysical properties. <i>Dyes and Pigments</i> , 2003, 58, 47-58.	3.9	40
8	Styrylpyridinium borate salts as dye photoinitiators of free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1433-1440.	2.4	35
9	Photoreactive UV-crosslinkable solvent-free acrylic pressure-sensitive adhesives containing copolymerizable photoinitiators based on benzophenones. <i>European Polymer Journal</i> , 2012, 48, 1446-1454.	5.6	35
10	Cyanine borates revisited. Study of the kinetics of photoinitiated free radical polymerization via intermolecular electron transfer process. <i>Perkin Transactions II RSC</i> , 2002, , 287-295.	1.1	34
11	Squarylium dye and onium salts as highly sensitive photoradical generators for blue light. <i>Polymer Chemistry</i> , 2017, 8, 3464-3474.	4.0	32
12	Hemicyaninen-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.	2.4	30
13	One Photon <sup>2</sup> Two Free Radical Photoinitiating Systems. Novel Approach to the Preparation of Dissociative, Multicomponent, Electron-Transfer Photoinitiators for Free Radical Polymerization. <i>Macromolecules</i> , 2005, 38, 9985-9992.	5.1	30
14	UV-crosslinkable acrylic pressure-sensitive adhesives for industrial application. <i>Polymer Bulletin</i> , 2012, 69, 71-80.	3.3	30
15	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, 115-125.	4.0	28
16	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.	2.7	27
17	Monomeric asymmetric two- and three-cationic monomethine cyanine dyes as novel photoinitiators for free-radical polymerization. <i>Dyes and Pigments</i> , 2010, 86, 133-142.	3.9	24
18	Stilbene-Like Molecules as Fluorescent Probes Applied for Monitoring of Polymerization Process. <i>Journal of Fluorescence</i> , 2006, 16, 525-534.	2.5	22

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19	The application of halomethyl 1,3,5-triazine as a photoinitiator or co-initiator for acrylate monomer polymerization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 219, 16-25.	4.0	22
20	An argon laser induced polymerization photoinitiated by both mono- and bichromophoric hemicyanine dye-borate salt ion pairs. The synthesis, spectroscopic, electrochemical and kinetic studies. <i>Polymer</i> , 2009, 50, 57-67.	3.9	21
21	The influence of a radical structure on the kinetics of photopolymerization. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1575-1589.	2.4	21
22	Kinetic study of free-radical polymerization photoinitiated by cyanine-borate salts. II. <i>Journal of Polymer Science Part A</i> , 2000, 38, 2365-2374.	2.4	20
23	High speed three-component photoinitiating systems composed of cyanine dyes borate salt and heteroaromatic thiols. <i>Polymer</i> , 2010, 51, 5028-5036.	3.9	20
24	The cyanine dye/trichloromethyl-1,3,5-triazine/thiols in two- and three-component photoinitiating systems for free radical polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4243-4251.	2.4	20
25	Photoreactive UV-crosslinkable acrylic pressure-sensitive adhesives containing type-II photoinitiators. <i>European Polymer Journal</i> , 2011, 47, 225-229.	5.6	20
26	New heterobicationic hemicyanine dyes: Synthesis, spectroscopic properties, and photoinitiating ability. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6345-6359.	2.4	19
27	Dichromophoric hemicyanine dyes. Synthesis and spectroscopic investigation. <i>Dyes and Pigments</i> , 2007, 74, 262-268.	3.9	19
28	Thermal stability of poly(2-ethylhexyl acrylates) used as plasticizers for medical application. <i>Polymer Bulletin</i> , 2013, 70, 1911-1918.	3.3	19
29	The photophysical and photochemical properties of the oxacarbocyanine and thiocarbocyanine dyes. <i>Dyes and Pigments</i> , 2004, 61, 1-16.	3.9	18
30	1,3-Bis(phenylamino)squaraine - Photophysical and photochemical properties. <i>Dyes and Pigments</i> , 2016, 127, 179-186.	3.9	18
31	New Squaraine-based two-component initiation systems for UV-blue light induced radical polymerization: Kinetic and time-resolved laser spectroscopy studies. <i>Journal of Polymer Science Part A</i> , 2017, 55, 471-484.	2.4	18
32	Onium salts improve the kinetics of photopolymerization of acrylate activated with visible light. <i>RSC Advances</i> , 2020, 10, 24817-24829.	3.7	18
33	The photooxidative sensitization of bis( <i>p</i> -substituted diphenyl)iodonium salts in the radical polymerization of acrylates. <i>RSC Advances</i> , 2019, 9, 28490-28499.	3.7	17
34	Novel photoinitiators based on difluoroborate complexes of squaraine dyes for radical polymerization of acrylates upon visible light. <i>Polymer Chemistry</i> , 2022, 13, 220-234.	4.0	17
35	Influence of selected photoinitiators on important properties of photoreactive acrylic pressure-sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2012, 123, 118-123.	2.7	16
36	The synthesis and spectroscopic studies of new aniline-based squarylium dyes. <i>Dyes and Pigments</i> , 2016, 133, 273-279.	3.9	16

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37	New two- and three-cationic polymethine dyes. Synthesis, properties and application. <i>Dyes and Pigments</i> , 2015, 112, 24-33.	3.9	15
38	Acceleration of the free radical polymerization by using N-alkoxypyridinium salt as co-initiator in hemicyanine dye/borate salt photoinitiating system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 184-192.	4.0	14
39	Three-cationic carbocyanine dyes as sensitizers in very efficient photoinitiating systems for multifunctional monomer polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4636-4654.	2.4	14
40	Visible light photoinitiating systems based on squaraine dye: kinetic, mechanistic and laser flash photolysis studies. <i>RSC Advances</i> , 2016, 6, 103851-103863.	3.7	14
41	Squaric acid derivative effects on the kinetics of photopolymerization of different monomers. <i>RSC Advances</i> , 2016, 6, 74715-74725.	3.7	14
42	Highly efficient UV-Vis light activated three-component photoinitiators composed of tris(trimethylsilyl)silane for polymerization of acrylates. <i>Polymer Chemistry</i> , 2020, 11, 5500-5511.	4.0	14
43	Novel N-ethylstyrylquinolinium iodides as sensitizers in photoinitiated free radical polymerization of trimethylolpropane triacrylate (TMPTA), part 3. <i>Journal of Applied Polymer Science</i> , 2010, 117, 2669-2675.	2.7	13
44	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. <i>Polymer Bulletin</i> , 2012, 68, 441-452.	3.3	13
45	1,3-Bis[4-(p-aminostyryl)-pyridinyl]-propane dibromide derivatives: Synthesis and spectroscopic investigation. <i>Dyes and Pigments</i> , 2007, 73, 361-367.	3.9	12
46	Bichromophoric hemicyanine dyes as fluorescence probes applied for monitoring of the photochemically initiated polymerization. <i>Journal of Molecular Structure</i> , 2011, 985, 95-104.	3.8	12
47	New Fluorescence Probes for Biomolecules. <i>Molecules</i> , 2015, 20, 13071-13079.	3.9	12
48	Bischromophoric styrylpyridinium dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 306-315.	4.0	11
49	Polymethine Dyes as Fluorescent Probes and Visible-Light Photoinitiators for Free Radical Polymerization. <i>Topics in Heterocyclic Chemistry</i> , 2008, , 183-220.	0.0	11
50	N-methylpicolinium derivatives as the coinitiators in photoinitiating systems for vinyl monomers polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 576-588.	2.4	11
51	Multicationic monomethine dyes as sensitizers in two- and three-component photoinitiating systems for multiacrylate monomers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 214, 74-85.	4.0	11
52	Photoreactive triazine as crosslinking agents for UV-crosslinkable acrylic pressure-sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3621-3627.	2.7	11
53	The synthesis, spectroscopic and electrochemical properties, and application of new dyeing photoinitiator systems for acrylate monomers polymerization. <i>Dyes and Pigments</i> , 2012, 92, 724-731.	3.9	11
54	Study of UV-initiated polymerization and UV crosslinking of acrylic monomers mixture for the production of solvent-free pressure-sensitive adhesive films. <i>Polymer Testing</i> , 2022, 105, 107424.	5.0	11

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55	Novel, N-ethyl-2-styrylquinolinium iodides as fluorophores for monitoring of polymerization process, Part I. <i>Dyes and Pigments</i> , 2009, 82, 372-378.	3.9	10
56	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.	2.7	10
57	The three-component radical photoinitiating systems comprising thiocarbocyanine dye, n-butyltriphenylborate salt and N-alkoxy pyridinium salt or 1,3,5-triazine derivative. <i>Materials Chemistry and Physics</i> , 2011, 125, 118-124.	4.1	10
58	Novel pyridinium derivatives as very efficient photoinitiators for UV-activated synthesis of acrylic pressure-sensitive adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 634-638.	3.0	10
59	Influence of an Alkoxylation Grade of Acrylates on Shrinkage of UV-Curable Compositions. <i>Polymers</i> , 2020, 12, 2617.	4.6	10
60	Fluorescent amino-substituted squaraine probes for bovine serum albumin. <i>Coloration Technology</i> , 2017, 133, 170-177.	1.5	9
61	Novel Photoreactive Pressure-Sensitive Adhesives (PSA) Based on Acrylics Containing Additionable Photoinitiators. <i>Materials</i> , 2020, 13, 5151.	3.0	9
62	One photon-two radical-electron transfer photoinitiators. 2-(o-, m-, or p-Methoxyphenyl)ethyl acrylate (p-Methoxyphenyl)ethyl acrylate polymerization. <i>Polymer</i> , 2006, 47, 2699-2705.	3.9	8
63	Photocrosslinking of solvent-based acrylic pressure-sensitive adhesives (PSA) by the use of selected photoinitiators type I. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2398-2410.	2.6	8
64	New N-(carboxyethyl)-2-methylbenzothiazole-based hemicyanine dyes: Synthesis, spectra, photostability and association with bovine serum albumin. <i>Journal of Molecular Structure</i> , 2015, 1084, 114-121.	3.8	8
65	Novel 1,3-bis(p-substituted phenylamino)squaraine dyes. The synthesis and spectroscopic studies. <i>Dyes and Pigments</i> , 2019, 170, 107596.	3.9	8
66	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.	3.8	7
67	Two-cationic 2-methylbenzothiazole derivatives as green light absorbed sensitizers in initiation of free radical polymerization. <i>Colloid and Polymer Science</i> , 2015, 293, 1865-1876.	2.2	7
68	Double role of squarylium dye: Fluorescence probe for biomolecule determination and photosensitizer in dyeing photoinitiating system. <i>Journal of Molecular Liquids</i> , 2015, 212, 196-202.	5.0	7
69	Recent progress in the development of highly active dyeing photoinitiators based on 1,3-bis(p-substituted phenylamino)squaraines for radical polymerization of acrylates. <i>Polymer Chemistry</i> , 2022, 13, 1787-1812.	4.0	7
70	Electron transfer processes in photoinitiating systems composed of hemicyanine sec-butyltriphenylborate ion pairs. <i>Polymer Bulletin</i> , 2005, 54, 409-416.	3.3	6
71	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.	2.7	6
72	Xylene-1,4-bis[4-(p-pyrrolidinostyryl)benzothiazolium borate] salt as new functional dye. <i>Dyes and Pigments</i> , 2015, 114, 144-145.	3.9	6

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73	Factors that influence the spectroscopic properties of 1,3-bis[p-substituted-(phenylamino)]squinarines. <i>Dyes and Pigments</i> , 2016, 130, 226-232.	3.9	6
74	Preparation and Characterization of Acrylic Pressure-Sensitive Adhesives Crosslinked with UV Radiation-Influence of Monomer Composition on Adhesive Properties. <i>Materials</i> , 2022, 15, 246.	3.0	6
75	Synthesis, properties, and application of new benzothiazole-based sensitizers in polymer chemistry. <i>Coloration Technology</i> , 2015, 131, 183-191.	1.5	5
76	Hemicyanine dyes derived from 2,3,3-trimethyl-3H-indolium as candidates for non-covalent protein probes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 433-440.	2.9	5
77	Long-wavelength-sensitive Radical Photoinitiators. , 2018, , 14-73.		5
78	High-Performance UV-Vis Light Induces Radical Photopolymerization Using Novel 2-Aminobenzothiazole-Based Photosensitizers. <i>Materials</i> , 2021, 14, 7814.	3.0	5
79	<i>N</i> -methylpicolinium esters as co-initiators in dye photosensitizer systems for the polymerisation of acrylate monomers. <i>Coloration Technology</i> , 2011, 127, 314-321.	1.5	4
80	The N-(2-carboxyethyl)hemicyanine dyes. Synthesis, properties and quantum-chemical calculations. <i>Journal of Molecular Liquids</i> , 2015, 202, 141-147.	5.0	4
81	<i>N</i> -alkoxypyridinium salts as coinicators in radical polymerization: Synthesis and Photochemical Properties. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2840-2850.	2.4	4
82	Bimolecular fluorescence quenching of benzoxazole/benzothiazole-based functional dyes. <i>Journal of Molecular Liquids</i> , 2020, 313, 113489.	5.0	4
83	What affects the rate of free radical polymerization of a multifunctional acrylate photoinitiated by cyanine borate salts? Part II. Application of electron transfer theory. <i>Polimery</i> , 2003, 48, 425-433.	0.7	4
84	Latest Advances in Highly Efficient Dye-Based Photoinitiating Systems for Radical Polymerization. <i>Polymers</i> , 2023, 15, 1148.	4.6	4
85	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.	3.3	3
86	Cyclic acetals as the second co-initiators in three-component photoinitiating systems. <i>Polymer Bulletin</i> , 2012, 68, 667-679.	3.3	3
87	Visible light-induced polymerization initiated by borate salts of bicationic monochromophoric benzothiazolestyrylium dyes. <i>Colloid and Polymer Science</i> , 2014, 292, 3157-3168.	2.2	3
88	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.	0.7	3
89	Application of styrylquinolinium dyes as spectroscopic probes in radical polymerization process. <i>Polimery</i> , 2007, 52, 556-561.	0.7	2
90	Corrigendum to "The N-(2-Carboxyethyl)hemicyanine dyes. Synthesis, properties and quantum-chemical calculations" [J. Mol. Liq. 202 (2015) 141-147]. <i>Journal of Molecular Liquids</i> , 2015, 204, 269.	5.0	1

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91	What affects the rate of free radical polymerization of a multifunctional acrylate photoinitiated by cyanine borate salts? Part I. Kinetic studies. <i>Polimery</i> , 2003, 48, 321-328.	0.7	1
92	Design, Synthesis, and Spectral Properties of Novel 2-Mercaptobenzothiazole Derivatives. <i>Materials</i> , 2024, 17, 246.	3.0	1
93	The Comparison of the Photoinitiating Ability of the Dyeing Photoinitiating Systems Acting via Photoreducible or Parallel Series Mechanism. , 0, , .		0
94	High potential of new dyeing photoinitiators for fast curing of (meth)acrylate compositions under low intensity UVâ€“Vis light. <i>Polymer Chemistry</i> , 2023, 14, 3931-3949.	4.0	0