

Ewa Schab-Balcerzak

List of Publications by Year in descending order

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185
papers

3,045
citations

185998

28
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329751

37
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189
all docs

189
docs citations

189
times ranked

2684
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced optical anisotropy in new poly(amide imide)s with azobenzene units. <i>Polymer</i> , 2005, 46, 49-59.	1.8	61
2	Polarization Dependence of Holographic Grating Recording in Azobenzene-Functionalized Polymers Monitored by Visible and Infrared Light. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9751-9760.	1.2	61
3	Effect of polyaniline content and protonating dopants on electroconductive composites. <i>Scientific Reports</i> , 2021, 11, 7487.	1.6	60
4	Synthesis, Characterization, and Study of Photoinduced Optical Anisotropy in Polyimides Containing Side Azobenzene Units. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8765-8780.	1.1	53
5	New air-stable aromatic polyazomethines with triphenylamine or phenylenevinylene moieties towards photovoltaic application. <i>Synthetic Metals</i> , 2014, 195, 341-349.	2.1	52
6	Rhenium(^{III}) terpyridine complexes – synthesis, photophysical properties and application in organic light emitting devices. <i>Dalton Transactions</i> , 2016, 45, 1746-1762.	1.6	48
7	Synthesis, materials characterization and opto(electrical) properties of unsymmetrical azomethines with benzothiazole core. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 546-555.	2.0	46
8	Dyes based on the D/A-acetylene linker-phenothiazine system for developing efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5830-5840.	2.7	46
9	Highly Luminescence Anthracene Derivatives as Promising Materials for OLED Applications. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4020-4031.	1.2	44
10	Comparative studies of polyimides with covalently bonded azo-dyes with their supramolecular analogues: Thermo-optical and photoinduced properties. <i>Optical Materials</i> , 2014, 36, 892-902.	1.7	40
11	Poly(amide imides) and Poly(ether imides) Containing 1,3,4-Oxadiazole or Pyridine Rings: Characterizations and Optical Properties. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1481-1488.	1.1	39
12	(Photo)physical Properties of New Molecular Glasses End-Capped with Thiophene Rings Composed of Diimide and Imine Units. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13070-13086.	1.5	39
13	Fast dark cis-trans isomerization of azopyridine derivatives in comparison to their azobenzene analogues: Experimental and computational study. <i>Dyes and Pigments</i> , 2019, 160, 654-662.	2.0	37
14	Epoxy resin cured with diamine bearing azobenzene group. <i>Polymer</i> , 2004, 45, 2483-2493.	1.8	36
15	New donor-acceptor-donor molecules based on quinoline acceptor unit with Schiff base bridge: synthesis and characterization. <i>Journal of Luminescence</i> , 2017, 183, 458-469.	1.5	36
16	Investigations of New Phenothiazine-Based Compounds for Dye-Sensitized Solar Cells with Theoretical Insight. <i>Materials</i> , 2020, 13, 2292.	1.3	36
17	Comparative Studies of Structural, Thermal, Optical, and Electrochemical Properties of Azines with Different End Groups with Their Azomethine Analogues toward Application in (Opto)Electronics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10320-10332.	1.1	35
18	Simple donor-acceptor derivatives exhibiting aggregation-induced emission characteristics for use as emitting layer in OLED. <i>Dyes and Pigments</i> , 2016, 129, 80-89.	2.0	34

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19	New glass forming triarylamine based azomethines as a hole transport materials: Thermal, optical and electrochemical properties. <i>Optical Materials</i> , 2012, 34, 1333-1346.	1.7	32
20	Investigation of optical and electrical properties of new aromatic polyazomethine with thiophene and cardo moieties toward application in organic solar cells. <i>Synthetic Metals</i> , 2013, 185-186, 17-24.	2.1	32
21	New naphthalene diimide-based compounds containing triarylamine units and imine linkages: Thermal, optical and electrochemical properties. <i>Synthetic Metals</i> , 2011, 161, 2268-2279.	2.1	31
22	Photochromic supramolecular azopolyimides based on hydrogen bonds. <i>Optical Materials</i> , 2015, 47, 501-511.	1.7	31
23	Optical, electrical and mechanical properties of indium tin oxide on polyethylene terephthalate substrates: Application in bulk-heterojunction polymer solar cells. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 110-116.	1.9	30
24	Synthesis and photophysical properties of new perylene bisimide derivatives for application as emitting materials in OLEDs. <i>Dyes and Pigments</i> , 2018, 159, 590-599.	2.0	30
25	Chromophore concentration effect on holographic grating formation efficiency in novel azobenzene- π -functionalized polymers. <i>Polymer Engineering and Science</i> , 2008, 48, 1755-1767.	1.5	29
26	New thermotropic azomethine- π -naphthalene diimides for optoelectronic applications. <i>Synthetic Metals</i> , 2010, 160, 2208-2218.	2.1	29
27	Surface relief gratings in azobenzene supramolecular systems based on polyimides. <i>Optical Materials</i> , 2012, 35, 155-167.	1.7	29
28	Azomethine naphthalene diimides as component of active layers in bulk heterojunction solar cells. <i>Materials Letters</i> , 2015, 157, 93-98.	1.3	29
29	Synthesis, photophysical properties and application in organic light emitting devices of rhenium(π) carbonyls incorporating functionalized 2,2'- π ,2'- π -terpyridines. <i>RSC Advances</i> , 2016, 6, 56335-56352.	1.7	29
30	4- π -Phenyl-2,2'- π ,2'- π -terpyridine derivatives-synthesis, potential application and the influence of acetylene linker on their properties. <i>Dyes and Pigments</i> , 2017, 146, 331-343.	2.0	28
31	New Soluble Polyimides Containing Hydroxylic Groups: I. Synthesis and characterization. <i>High Performance Polymers</i> , 2001, 13, 45-53.	0.8	27
32	Comparative studies of newly synthesized azo-dyes bearing poly(esterimide)s with their poly(etherimide) analogues. Light-induced optical anisotropy. <i>Optical Materials</i> , 2008, 31, 405-411.	1.7	27
33	Synthesis and study on the light absorbing, emitting, redox and electrochromic properties of azines and polyazines with thiophene units. <i>Synthetic Metals</i> , 2012, 162, 1623-1635.	2.1	27
34	Thermal, optical, electrochemical, and electrochromic characteristics of novel polyimides bearing the Acridine Yellow moiety. <i>Materials Chemistry and Physics</i> , 2012, 137, 221-234.	2.0	27
35	Investigation of polyimides containing naphthalene units. II. Model compounds synthesis. <i>Journal of Polymer Science Part A</i> , 1995, 33, 547-554.	2.5	26
36	Cycloaliphatic- π -aromatic polyimides based on diamines with azobenzene unit. <i>European Polymer Journal</i> , 2006, 42, 2859-2871.	2.6	26

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37	Characterization, liquid crystalline behavior, electrochemical and optoelectrical properties of new poly(azomethine)s and a poly(imide) with siloxane linkages. <i>Optical Materials</i> , 2011, 34, 61-74.	1.7	26
38	Structural characterization, absorption and photoluminescence study of symmetrical azomethines with long aliphatic chains. <i>Journal of Molecular Structure</i> , 2014, 1058, 130-135.	1.8	26
39	Synthesis, spectroscopic, electrochemical and computational studies of rhenium(I) tricarbonyl complexes based on bidentate-coordinated 2,6-di(thiazol-2-yl)pyridine derivatives. <i>Dalton Transactions</i> , 2017, 46, 9605-9620.	1.6	26
40	Impact of TiO ₂ Nanostructures on Dye-Sensitized Solar Cells Performance. <i>Materials</i> , 2021, 14, 1633.	1.3	26
41	Characterization, liquid crystalline behavior, optical and electrochemical study of new aliphatic π -aromatic polyimide with naphthalene and perylene subunits. <i>Synthetic Metals</i> , 2011, 161, 1660-1670.	2.1	25
42	Photophysical, electrochemical and thermal properties of new (co)polyimides incorporating oxadiazole moieties. <i>Synthetic Metals</i> , 2014, 188, 161-174.	2.1	25
43	Small Donor π -Acceptor Molecules Based on a Quinoline π -Fluorene System with Promising Photovoltaic Properties. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2500-2508.	1.2	25
44	NCN π -Coordinating Ligands based on Pyrene Structure with Potential Application in Organic Electronics. <i>Chemistry - A European Journal</i> , 2017, 23, 15746-15758.	1.7	25
45	Structure-dependent and environment-responsive optical properties of the trisheterocyclic systems with electron donating amino groups. <i>Dyes and Pigments</i> , 2019, 166, 283-300.	2.0	25
46	Investigation of polyimides containing naphthalene units. III. Influence of monomers structure on polymers properties. <i>Journal of Polymer Science Part A</i> , 1997, 35, 539-545.	2.5	24
47	Photoinduced Holographic Gratings in Azobenzene-Functionalized Poly(amideimide)s. <i>Polymer Journal</i> , 2007, 39, 659-669.	1.3	24
48	Fluorene vs carbazole substituent at quinoline core toward organic electronics. <i>Dyes and Pigments</i> , 2019, 166, 98-106.	2.0	24
49	Effect of conductive polymers on the optical properties of electrospun polyacrylonitrile nanofibers filled by polypyrrole, polythiophene and polyaniline. <i>Applied Surface Science</i> , 2020, 509, 145068.	3.1	24
50	New semiladder polymers. Part II: Synthesis and properties of new poly(amideimidazopyrrolones). <i>Polymer</i> , 1999, 40, 2419-2428.	1.8	23
51	Synthesis and characterization of organosoluble aliphatic π -aromatic copolyimides based on cycloaliphatic dianhydride. <i>European Polymer Journal</i> , 2002, 38, 423-430.	2.6	23
52	Large and highly stable photoinduced birefringence in poly(amideimide)s with two azochromophores per structural unit. <i>Optical Materials</i> , 2015, 39, 199-206.	1.7	23
53	Photoinduced birefringence of novel azobenzene poly(esterimide)s; the effect of chromophore substituent and excitation conditions. <i>Dyes and Pigments</i> , 2015, 114, 151-157.	2.0	23
54	Thermal, optical and photoinduced properties of a series of homo and co-polyimides with two kinds of covalently bonded azo-dyes and their supramolecular counterparts. <i>Optical Materials</i> , 2015, 48, 139-149.	1.7	22

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55	Influence of supramolecular interactions on photoresponsive behavior of azobenzene poly(amide) Tj ETQq1 1 0.784314 rgBT/Overlo	2.0	22
56	Noncovalent azopoly(ester imide)s: Experimental study on structure-property relations and theoretical approach for prediction of glass transition temperature and hydrogen bond formation. Polymer, 2017, 113, 53-66.	1.8	22
57	A family of solution processable ligands and their Re(I) complexes towards light emitting applications. Dyes and Pigments, 2019, 163, 86-101.	2.0	22
58	Post and prepolymerization strategies to develop novel photochromic poly(esterimide)s. Journal of Applied Polymer Science, 2011, 120, 631-643.	1.3	21
59	Structure and properties of new highly soluble aromatic poly(etherimide)s containing isopropylidene groups. Polymer Journal, 2013, 45, 1202-1209.	1.3	21
60	Structural and electrical properties of mixture based on P3HT:PCBM and low band gap naphthalene diimide-imines. Synthetic Metals, 2014, 189, 183-192.	2.1	21
61	Experimental and computational exploration of photophysical and electroluminescent properties of modified 2,2'-(6-terpyridine, 2,6-di(thiazol-2-yl)pyridine and 2,6-di(pyrazin-2-yl)pyridine ligands and their Re(I) complexes. Applied Organometallic Chemistry, 2018, 32, e4611.		
62	Novel 1,8-naphthalimides substituted at 3-C position: Synthesis and evaluation of thermal, electrochemical and luminescent properties. Dyes and Pigments, 2018, 158, 65-78.	2.0	20
63	Photoluminescence enhancement of Re(Cp^*) carbonyl complexes bearing D^{A} and $\text{D}^{\text{A}}\text{A}$ ligands. Dalton Transactions, 2020, 49, 4441-4453.	1.6	20
64	New low band gap compounds comprised of naphthalene diimide and imine units. Synthetic Metals, 2012, 162, 543-553.	2.1	19
65	Optical and electrochemical properties of novel thermally stable Schiff bases bearing naphthalene unit. Journal of Electroanalytical Chemistry, 2015, 751, 128-136.	1.9	19
66	2,2'-(6-terpyridine Analogues: Structural, Electrochemical, and Photophysical Properties of 2,6-di(thiazol-2-yl)pyridine Derivatives. European Journal of Organic Chemistry, 2017, 2017, 2730-2745.	1.2	19
67	Polycyclic aromatic hydrocarbons connected with Schiff base linkers: Experimental and theoretical photophysical characterization and electrochemical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 175, 168-176.	2.0	19
68	Poly(etherimide)s and poly(esterimide)s containing azobenzene units: Characterization and study of photoinduced optical anisotropy. Optical Materials, 2012, 34, 733-740.	1.7	18
69	New anthracene-based Schiff bases: Theoretical and experimental investigations of photophysical and electrochemical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 175, 24-35.	2.0	18
70	New core-substituted with electron-donating group 1,8-naphthalimides towards optoelectronic applications. Journal of Luminescence, 2015, 166, 22-39.	1.5	17
71	Poly(esterimide) bearing azobenzene units as photoaligning layer for liquid crystals. Optical Materials, 2015, 49, 224-229.	1.7	17
72	Spectroscopic, electrochemical, thermal properties and electroluminescence ability of new symmetric azomethines with thiophene core. Journal of Luminescence, 2017, 192, 452-462.	1.5	17

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73	A highly selective and sensitive sensor with imine and phenyl-ethynyl-phenyl units for the visual and fluorescent detection of copper in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111893.	2.0	17
74	Traveling Wave Rotary Micromotor Based on a Photomechanical Response in Liquid Crystal Polymer Networks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8681-8686.	4.0	17
75	New semiladder polymers: 1. Synthesis and properties of new poly(esterimidazopyrrolone)s. <i>Polymer</i> , 1998, 39, 7001-7008.	1.8	16
76	Polarisation-sensitive holographic recording in polyimide-containing azo-dye. <i>Synthetic Metals</i> , 2002, 127, 89-93.	2.1	16
77	New thermotropic symmetrical and unsymmetrical azomethine with azobenzene unit and fluorinated alkyl chain: Synthesis and characterization. <i>Journal of Molecular Liquids</i> , 2012, 165, 12-20.	2.3	16
78	Electronic and thermal properties of compounds bearing diimide, azomethine and triphenylamine units. <i>Optical Materials</i> , 2014, 37, 543-551.	1.7	16
79	Photoinduced birefringence of azobenzene polymer at blue excitation wavelengths. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 227-231.	1.1	16
80	“Small in size but mighty in force” The first principle study of the impact of A/D units in A/D-phenyl-phenothiazine-dicyanovinyl systems on photophysical and optoelectronic properties. <i>Dyes and Pigments</i> , 2021, 189, 109248.	2.0	16
81	Multifaceted Strategy for the Synthesis of Diverse 2,2'-Bithiophene Derivatives. <i>Molecules</i> , 2015, 20, 4565-4593.	1.7	15
82	Poly(amic acid)s and their poly(amide imide) counterparts containing azobenzene moieties: Characterization, imidization kinetics and photochromic properties. <i>Materials Chemistry and Physics</i> , 2016, 180, 203-212.	2.0	15
83	Electro-optically tunable diffraction grating with photoaligned liquid crystals. <i>Optics Communications</i> , 2017, 400, 144-149.	1.0	15
84	Tuning Optical Properties of Re(I) Carbonyl Complexes by Modifying Push-Pull Ligands Structure. <i>Organometallics</i> , 2019, 38, 4206-4223.	1.1	15
85	Azopolymers with imide structures as light-switchable membranes in controlled gas separation. <i>European Polymer Journal</i> , 2019, 118, 186-194.	2.6	15
86	New semiladder polymers: III. Synthesis and properties of new poly(etherimidazopyrrolone)s. <i>Polymer</i> , 2000, 41, 49-56.	1.8	14
87	New Soluble Polyimides Containing the Hydroxylic Group. II: Polymers Substituted with Disperse Red 1. <i>High Performance Polymers</i> , 2004, 16, 585-596.	0.8	14
88	Physical, optical and gas transport properties of new processable polyimides and poly(amideimide)s obtained from 4,4'-[oxybis(4,1-phenylenethio)]dianiline and aromatic dianhydrides. <i>Polymer Journal</i> , 2011, 43, 621-629.	1.3	14
89	New room-temperature thermotropic perylene-based bisimides: Synthesis, liquid crystalline, light-emitting and electrochemical properties. <i>Optical Materials</i> , 2013, 35, 1042-1050.	1.7	14
90	Unsymmetrical and symmetrical azines toward application in organic photovoltaic. <i>Optical Materials</i> , 2015, 39, 58-68.	1.7	14

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91	Rhenium(ⁱ / _{scp}) complexes with phenanthrolines bearing electron-withdrawing Cl and electron-donating CH ₃ substituents – synthesis, photophysical, thermal, and electrochemical properties with electroluminescence ability. RSC Advances, 2016, 6, 112908-112918.	1.7	14
92	Impact of the donor structure in new D–A systems based on indolo[3,2,1- <i>jk</i>]carbazoles on their thermal, electrochemical, optoelectronic and luminescence properties. Journal of Materials Chemistry C, 2021, 9, 7351-7362.	2.7	14
93	Thermal Rearrangement of Poly(o-hydroxyimide)s Synthesized from 4,6-Diaminoresorcinol Dihydrochloride. Polymer Journal, 2003, 35, 208-212.	1.3	13
94	Boronated (co)polystyrene: monomer reactivity ratios, thermal behavior and flammability. Polymers for Advanced Technologies, 2015, 26, 49-56.	1.6	13
95	Naphthalene Diimides Prepared by a Straightforward Method and Their Characterization for Organic Electronics. European Journal of Organic Chemistry, 2018, 2018, 1756-1760.	1.2	13
96	Symmetrical and unsymmetrical azomethines with thiophene core: structure–properties investigations. Journal of Materials Science, 2019, 54, 13491-13508.	1.7	13
97	Azobenzene vs azopyridine and matrix molar masses effect on photoinduced phenomena. European Polymer Journal, 2019, 115, 173-184.	2.6	13
98	Towards better understanding of photophysical properties of rhenium(I) tricarbonyl complexes with terpy-like ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118124.	2.0	13
99	Novel Poly(esterimide)s Containing a Push-Pull Type Azobenzene Moiety-Synthesis, Characterization and Optical Properties. Polymer Journal, 2008, 40, 813-824.	1.3	12
100	Influence of azobenzene units on imidization kinetic of novel poly(ester amic acid)s and polymers properties before and after cyclodehydration. Journal of Applied Polymer Science, 2010, 118, 2624-2633.	1.3	12
101	The influence of macrocyclic ligands and water on propylene oxide polymerization initiated with anhydrous potassium hydroxide in tetrahydrofuran. European Polymer Journal, 2013, 49, 3277-3288.	2.6	12
102	Halogeno-modified polystyrene: monomer reactivity ratios, thermal behaviour and flammability. Polymer International, 2014, 63, 1982-1990.	1.6	12
103	Characterization of poly(amic acid)s and resulting polyimides bearing azobenzene moieties including investigations of thermal imidization kinetics and photoinduced anisotropy. Polymer International, 2015, 64, 76-87.	1.6	12
104	The comprehensive approach towards study of (azo)polymers fragility parameter: Effect of architecture, intra- and intermolecular interactions and backbone conformation. European Polymer Journal, 2018, 109, 489-498.	2.6	12
105	Aryl substituted 2,6-di(thiazol-2-yl)pyridines –excited-state characterization and potential for OLEDs. Dyes and Pigments, 2019, 169, 89-104.	2.0	12
106	Live cell imaging by 3-imino-(2-phenol)-1,8-naphthalimides: The effect of ex vivo hydrolysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118442.	2.0	12
107	Examination of the Effect of Selected Factors on the Photovoltaic Response of Dye-Sensitized Solar Cells. Energy & Fuels, 2020, 34, 14344-14355.	2.5	12
108	Synthesis of polystyrene modified with fluorine atoms: Monomer reactivity ratios and thermal behavior. Polymer Engineering and Science, 2014, 54, 1170-1181.	1.5	11

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109	On stress " strain responses and photoinduced properties of some azo polymers. <i>Polymer</i> , 2018, 140, 117-121.	1.8	11
110	Carbazole effect on ground- and excited-state properties of rhenium(<i>scpi</i>) carbonyl complexes with extended <i>terpy</i> -like ligands. <i>Dalton Transactions</i> , 2021, 50, 3943-3958.	1.6	11
111	The synthesis and thermal, optical and electrical properties of novel aromatic"aliphatic five- and six-membered thermotropic polyimides. <i>Liquid Crystals</i> , 2010, 37, 1347-1359.	0.9	10
112	New azomethine-phthalic diimides: Synthesis and thermal, optical and electrochemical characterization. <i>Synthetic Metals</i> , 2013, 175, 146-154.	2.1	10
113	No effect of the hydrogen bonds on the physicochemical properties of the guest-host poly(amide) Tj ETQq1 1 0.784314 rgBT/Overlo	2.0	10
114	The large and stable photomechanical effect in the glassy guest-host azopolymers. <i>Dyes and Pigments</i> , 2019, 171, 107659.	2.0	10
115	Thermocapillary Marangoni Flows in Azopolymers. <i>Materials</i> , 2020, 13, 2464.	1.3	10
116	Photoinduced properties of "T-type" polyimides with azobenzene or azopyridine moieties. <i>European Polymer Journal</i> , 2020, 126, 109563.	2.6	10
117	In-Depth Studies of Ground- and Excited-State Properties of Re(I) Carbonyl Complexes Bearing 2,2,6,6-Tetramethyl-2,2'-terpyridine and 2,6-Bis(pyrazin-2-yl)pyridine Coupled with "Conjugated Aryl Chromophores. <i>Inorganic Chemistry</i> , 2021, 60, 18726-18738.	1.9	10
118	Impact of blocking layer on DSSC performance based on new dye -indolo[3,2,1-jk]carbazole derivative and N719. <i>Dyes and Pigments</i> , 2022, 200, 110166.	2.0	10
119	New "A Systems Based on Phenothiazine Derivatives with Imidazole Structures for Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8986-8999.	1.5	10
120	Blue-light-induced processes in a series of azobenzene poly(ester imide)s. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 347, 177-185.	2.0	9
121	2,2-Dicyanovinyl derivatives " Thermal, photophysical, electrochemical and electroluminescence investigations. <i>Materials Chemistry and Physics</i> , 2018, 209, 249-261.	2.0	9
122	Effect of thienyl units in cyanoacrylic acid derivatives toward dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111555.	1.7	9
123	Thermal, spectroscopic, electrochemical, and electroluminescent characterization of malononitrile derivatives with triphenylamine structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 136-147.	2.0	9
124	Photopatterned azo poly(amide imide) layers as aligning substrates of holographic liquid crystal diffraction gratings for beam steering applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 968-976.	2.7	9
125	Novel "2-ketoenamines versus azomethines for organic electronics: characterization of optical and electrochemical properties supported by theoretical studies. <i>Journal of Materials Science</i> , 2020, 55, 3812-3832.	1.7	9
126	Effect of heterocycle donor in 2-cyanoacrylic acid conjugated derivatives for DSSC applications. <i>Solar Energy</i> , 2021, 220, 1109-1119.	2.9	9

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127	Azopolyimides – influence of chemical structure on azochromophore photo-orientation efficiency. <i>Polimery</i> , 2018, 63, 481-487.	0.4	9
128	Novel approach to the mechanism of the high-temperature formation of naphthalimides. <i>Polymer</i> , 1993, 34, 2440-2442.	1.8	8
129	New Azobenzene Chromophores as Monomers for Synthesis of Polyesters. <i>Polymer Journal</i> , 2003, 35, 851-858.	1.3	8
130	Grating translation technique as a tool for monitoring phase shifts during holographic recording in azo-polymers. <i>Journal of Applied Physics</i> , 2010, 108, 083540.	1.1	8
131	The effect of 2-, 3- and 4-pyridyl substituents on photophysics of fac-[ReCl(CO) ₃ (n-pytpy- ¹⁸ N)] complexes: Experimental and theoretical insights. <i>Journal of Luminescence</i> , 2019, 209, 346-356.	1.5	8
132	Effect of the complex-formation ability of thiosemicarbazones containing (aza)benzene or 3-nitro-1,8-naphthalimide unit towards Cu(II) and Fe(III) ions on their anticancer activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 415, 113314.	2.0	8
133	1,8-Naphthalimides 3-substituted with imine or ¹⁸ -ketoenamine unit evaluated as compounds for organic electronics and cell imaging. <i>Dyes and Pigments</i> , 2021, 193, 109508.	2.0	8
134	Optical properties of unsymmetrical azomethines with one imine bonds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 152-157.	2.0	7
135	Comprehensive UV-Vis and EPR spectroelectrochemical characterization of ambipolar azomethinenaphthalimides. <i>Journal of Electroanalytical Chemistry</i> , 2015, 745, 14-21.	1.9	7
136	The unexpected photomechanical effect in glassy α -T-type azopolyimides. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4032-4037.	2.7	7
137	Synthesis, photophysical properties and electroluminescence characterization of 1-phenyl-1H-phenanthro[9,10-d]imidazole derivatives with N-donor substituents. <i>Dyes and Pigments</i> , 2021, 192, 109437.	2.0	7
138	Ground- and excited-state properties of Re(I) carbonyl complexes – Effect of triimine ligand core and appended heteroaromatic groups. <i>Dyes and Pigments</i> , 2021, 192, 109472.	2.0	7
139	Polymers based on <i>N,N'</i> -diglycidylaniline. I. Investigations of the curing kinetics by dynamic differential scanning calorimetry measurements. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3596-3604.	1.3	6
140	Effect of Backbone Variation on Properties of Fluorinated Polyimides toward Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1661-1670.	1.1	6
141	Preparation and characterization of new aliphatic-tailed five- and six-membered azomethine-diimides. <i>Materials Chemistry and Physics</i> , 2016, 171, 97-108.	2.0	6
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