

Mukhamed Keshtov

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Donor-acceptor-acceptor (D-A-A) type 1,8-naphthalimides as non-fullerene small molecule acceptors for bulk heterojunction solar cells. <i>Chemical Science</i> , 2017, 8, 2017-2024.	7.4	65
2	1,1,4,4-Tetracyanobuta-1,3-diene Substituted Diketopyrrolopyrroles: An Acceptor for Solution Processable Organic Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6324-6335.	3.1	61
3	New conjugated alternating benzodithiophene-containing copolymers with different acceptor units: synthesis and photovoltaic application. <i>Journal of Materials Chemistry A</i> , 2014, 2, 155-171.	10.3	55
4	Small molecule carbazole-based diketopyrrolopyrroles with tetracyanobutadiene acceptor unit as a non-fullerene acceptor for bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3311-3319.	10.3	51
5	Efficient Polymer Solar Cells with High Open-Circuit Voltage Containing Diketopyrrolopyrrole-Based Non-Fullerene Acceptor Core End-Capped with Rhodanine Units. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11739-11748.	8.0	43
6	Cross-Linkable Hole-Transport Materials Improve the Device Performance of Perovskite Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27006-27011.	8.0	41
7	Tuning the optoelectronic properties for high-efficiency (>7.5%) all small molecule and fullerene-free solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14259-14269.	10.3	34
8	Synthesis and characterization of a low band gap quinoxaline based D-A copolymer and its application as a donor for bulk heterojunction polymer solar cells. <i>Polymer Chemistry</i> , 2013, 4, 4033.	3.9	33
9	Design and synthesis of new ultra-low band gap thiadiazoloquinoxaline-based polymers for near-infrared organic photovoltaic application. <i>RSC Advances</i> , 2016, 6, 14893-14908.	3.6	26
10	New indolo carbazole-based non-fullerene n-type semiconductors for organic solar cell applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 543-552.	5.5	26
11	On the principle of equal reactivity in solution polycondensation. <i>Die Makromolekulare Chemie</i> , 1983, 184, 105-111.	1.1	22
12	Improved power conversion efficiency by insertion of RGO-TiO ₂ composite layer as optical spacer in polymer bulk heterojunction solar cells. <i>Organic Electronics</i> , 2014, 15, 348-355.	2.6	21
13	Thienopyrazine or dithiadiazatrindene containing low band gap conjugated polymers for polymer solar cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 844-853.	3.8	19
14	New D-A1-A2-Type Regular Terpolymers Containing Benzothiadiazole and Benzotrithiophene Acceptor Units for Photovoltaic Application. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32998-33009.	8.0	18
15	New low bandgap near-IR conjugated D-A copolymers for BHJ polymer solar cell applications. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8389-8400.	2.8	18
16	Symmetrical and unsymmetrical triphenylamine based diketopyrrolopyrroles and their use as donors for solution processed bulk heterojunction organic solar cells. <i>RSC Advances</i> , 2016, 6, 99685-99694.	3.6	17
17	Synthesis of aromatic poly(pyridinium salt)s and their electrochromic properties. <i>Materials Chemistry and Physics</i> , 2013, 139, 936-943.	4.0	16
18	Synthesis and characterization of two new benzothiadiazole- and fused bithiophene based low band-gap D-A copolymers: Application as donor bulk heterojunction polymer solar cells. <i>Polymer</i> , 2015, 65, 193-201.	3.8	16

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19	Efficient solar cells based on a new polymer from fluorinated benzothiadiazole and alkylthienyl substituted thieno[2,3-f]benzofuran. <i>Dyes and Pigments</i> , 2015, 116, 139-145.	3.7	14
20	Fast switching electrochromic nanocomposite based on Poly(pyridinium salt) and multiwalled carbon nanotubes. <i>Electrochimica Acta</i> , 2018, 260, 139-149.	5.2	13
21	New donor-acceptor conjugated polymers based on benzo[1,2-b:4,5-b']dithiophene for photovoltaic cells. <i>Synthetic Metals</i> , 2013, 166, 7-13.	3.9	11
22	Synthesis of alternating A ₁ -A ₂ terpolymers comprising two electron-deficient moieties, quinoxaline and benzothiadiazole units for photovoltaic applications. <i>Polymer Chemistry</i> , 2016, 7, 4025-4035.	3.9	11
23	Synthesis and photophysical properties of regioregular low bandgap copolymers with controlled 5-fluorobenzotriazole orientation for photovoltaic application. <i>Polymer Chemistry</i> , 2016, 7, 5849-5861.	3.9	11
24	Synthesis of new D-A ₁ -D-A ₂ type low bandgap terpolymers based on different thiadiazoloquinoxaline acceptor units for efficient polymer solar cells. <i>RSC Advances</i> , 2016, 6, 71232-71244.	3.6	11
25	Polymer solar cells based low bandgap A ₁ -D-A ₂ -D terpolymer based on fluorinated thiadiazoloquinoxaline and benzothiadiazole acceptors with energy loss less than 0.5 eV. <i>Organic Electronics</i> , 2017, 46, 192-202.	2.6	11
26	New monomers and polymers via Diels-Alder cycloaddition. <i>Macromolecular Symposia</i> , 2003, 199, 97-108.	0.7	10
27	A New D-A conjugated polymer P(PTQD-BDT) with PTQD acceptor and BDT donor units for BHJ polymer solar cells application. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2390-2398.	2.3	10
28	New alternating A ₁ -A ₂ copolymer containing two electron-deficient moieties based on benzothiadiazole and 9-(2-octyldodecyl)h[2,3-bis]thieno[2,3-f':3',2'-h']quinoxaline derivatives for efficient polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2016, 54, 155-168.	2.3	10
29	Electrochromic behavior of films and "smart windows" prototypes based on π -conjugated and non-conjugated poly(pyridinium triflate)s. <i>Synthetic Metals</i> , 2019, 248, 14-19.	3.9	10
30	New electroluminescent phenyl-substituted polyfluorenes synthesized in supercritical carbon dioxide. <i>Doklady Chemistry</i> , 2010, 432, 159-164.	0.9	9
31	Synthesis and photovoltaic properties of thieno[3,4-b]pyrazine or dithieno[3,4:2,3;5,6]benzo[1,2-d]imidazole-containing conjugated polymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1067-1075.	2.3	9
32	Synthesis, optical and electrochemical properties new donor-acceptor (D-A) copolymers based on benzo[1,2-b:3,4-b']trithiophene donor and different acceptor units: Application as donor for photovoltaic devices. <i>Organic Electronics</i> , 2015, 17, 167-177.	2.6	9
33	Electrochromic behavior of poly(pyridinium triflates) films: Electrolyte ions influence. <i>Synthetic Metals</i> , 2018, 239, 29-35.	3.9	9
34	New iridium-containing conjugated polymers for polymer solar cell applications. <i>New Journal of Chemistry</i> , 2018, 42, 17296-17302.	2.8	9
35	Random D ₁ -A ₁ -D ₁ -A ₂ terpolymers based on diketopyrrolopyrrole and benzothiadiazolequinoxaline (BTOX) derivatives for high-performance polymer solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 5325-5334.	2.8	9
36	New bipolar copolyfluorenes: Synthesis and photo- and electroluminescent properties. <i>Doklady Chemistry</i> , 2011, 439, 175-180.	0.9	8

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37	Novel electron-withdrawing π -conjugated pyrene-containing poly(phenylquinoxaline)s. Doklady Chemistry, 2014, 456, 65-71.	0.9	8
38	Polymer solar cells based on "A low bandgap copolymers containing fluorinated side chains of thiadiazoloquinoxaline acceptor and benzodithiophene donor units. New Journal of Chemistry, 2018, 42, 1626-1633.	2.8	8
39	Synthesis and Characterization of Wide-Bandgap Conjugated Polymers Consisting of Same Electron Donor and Different Electron-Deficient Units and Their Application for Nonfullerene Polymer Solar Cells. Macromolecular Chemistry and Physics, 2020, 221, 2000030.	2.2	8
40	Design, synthesis and photophysical properties of D1-A-D2-A-D1-type small molecules based on fluorobenzotriazole acceptor and dithienosilole core donor for solution processed organic solar cells. Dyes and Pigments, 2016, 132, 387-397.	3.7	7
41	Electrochromism of interpolyelectrolyte poly(pyridinium) " Poly(styrene sulfonate) complexes. Organic Electronics, 2016, 34, 1-11.	2.6	7
42	Synthesis, photophysical, and electrochromic properties of new triaryl-amino-containing polyphenylquinoxalines. Polymer Science - Series B, 2011, 53, 257-266.	0.8	6
43	Synthesis and photovoltaic properties of new donor-acceptor benzodithiophene-containing copolymers. Polymer Science - Series B, 2013, 55, 360-372.	0.8	6
44	The effect of poly(N-vinylcaprolactam) on the electrochromic properties of a poly(pyridinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.2	6
45	Two new "A conjugated polymers P(PTQD-Th) and P(PTQD-2Th) with same 9-(2-octyldodecyl)-8 H-pyrrolo[3,4-b]bisthieno[2,3-f:3',2'-h]quinoxaline-8,10(9 H)-dione acceptor and different donor units for BHJ polymer solar cells application. Organic Electronics, 2015, 24, 137-146.	2.6	6
46	Synthesis and characterization of π -conjugated copolymers with thieno-imidazole units in the main chain: application for bulk heterojunction polymer solar cells. Physical Chemistry Chemical Physics, 2015, 17, 7888-7897.	2.8	6
47	Synthesis and photovoltaic properties low bandgap D-A copolymers based on fluorinated thiadiazoloquinoxaline. Organic Electronics, 2017, 43, 268-276.	2.6	6
48	Dithienosilole-phenylquinoxaline-based copolymers with A and structures for polymer solar cells. Journal of Polymer Science Part A, 2018, 56, 376-386.	2.3	6
49	New wide band gap π -conjugated copolymers based on anthra[1,2-b:4,3-b':6,7-c''] trithiophene-8,12-dione for high performance non-fullerene polymer solar cells with an efficiency of 15.07 %. Polymer, 2022, 251, 124892.	3.8	6
50	New Synthetic Approach to the Preparation of Polyphenyleneethynylenes and Polyheteroaryleneethynylenes. High Performance Polymers, 2001, 13, S153-S168.	1.8	5
51	Synthesis and Polymeranalogous Transformations of New Functionalized Polyheteroarylenes. High Performance Polymers, 2005, 17, 449-465.	1.8	5
52	New conjugated polyfluorenes carrying main-chain bipyridyl fragments as efficient fluorescent chemosensors for transition-metal ions. Polymer Science - Series B, 2011, 53, 345-351.	0.8	5
53	Synthesis and photovoltaic properties of new donor-acceptor ("A) copolymers based on benzo[1,2-b:3,4-b':6,5-b''] trithiophene donor and different acceptor units (P1 and P2). RSC Advances, 2014, 4, 53531-53542.	3.4	5
54	Novel low-band-gap conjugated polymers based on benzotrithiophene derivatives for bulk heterojunction solar cells. Doklady Chemistry, 2015, 464, 231-235.	0.9	5

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55	New electron-accepting quinoxalinothiadiazole-containing heterocycles as promising building blocks for organic optoelectronic devices. <i>Doklady Chemistry</i> , 2016, 468, 202-207.	0.9	5
56	Benzothiadiazole-pyrrolo[3,4-b]dithieno[2,3-f:3â€²,2â€²-h]quinoxalindione-based random terpolymer incorporating strong and weak electron accepting [1,2,5]thiadiazolo[3,4g]quinoxaline for polymer solar cells. <i>Organic Electronics</i> , 2017, 41, 1-8.	2.6	5
57	Regular conjugated Dâ€“A copolymer containing two benzotriazole and benzothiadiazole acceptors and dithienosilole donor units for photovoltaic application. <i>RSC Advances</i> , 2017, 7, 49204-49214.	3.6	5
58	Conjugated random terpolymers based on benzodithiophene, diketopyrrolopyrrole, and 8,10â€“bis(thiophenâ€“2â€“yl)â€“2,5â€“di(nonadecanâ€“3â€“yl)bis[1,3]thiazolo[4,5â€“f:5â€“f,4â€“aâ€“h]thieno[3,4â€“b,3,4â€“b]quinoxaline for Efficient Polymer Solar Cell. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1478-1485.	3.7	5
59	New 4,5-Diaza-9,9'-spirobifluorene Derivativeâ€“A Promising Electron Acceptor for Nonfullerene Polymer Solar Cells. <i>Doklady Chemistry</i> , 2019, 485, 95-99.	0.9	5
60	Synthesis of new aryl and hetaryl dibromides and diiodides, the monomers for preparation of polyarylene ethynylenes. <i>Russian Chemical Bulletin</i> , 1996, 45, 1169-1175.	1.5	4
61	New bis-tetraarylcyclopentadienones. <i>Russian Chemical Bulletin</i> , 1998, 47, 318-320.	1.5	4
62	Novel aromatic tetracarboxylic acid dianhydrides. <i>Russian Chemical Bulletin</i> , 1999, 48, 1942-1945.	1.5	4
63	New photochromic polymers. <i>Polymer Science - Series B</i> , 2006, 48, 18-22.	0.8	4
64	New carbazole-containing polyphenylquinoxalines: Synthesis, photophysical, and electroluminescent properties. <i>Polymer Science - Series A</i> , 2006, 48, 1135-1146.	1.0	4
65	Synthesis and photophysical properties of polyphenylquinoxalines with thiophene and dibenzothiophene units in the backbone. <i>Polymer Science - Series B</i> , 2007, 49, 75-79.	0.8	4
66	Condensation metallosupramolecular polymers containing main-chain 2,2â€“bipyridine and 2,2â€“:6â€“2,2â€“ ³ -terpyridine moieties. <i>Polymer Science - Series B</i> , 2007, 49, 267-281.	0.8	4
67	New phenylated polyphenylenes carrying main-chain bipyridyl groups and their complexes with metal ions. <i>Polymer Science - Series C</i> , 2009, 51, 17-25.	1.7	4
68	Photochromic silicon polymers based on 1,2-dihetarylethenes. <i>Polymer Science - Series C</i> , 2009, 51, 51-56.	1.7	4
69	Synthesis and properties of new functionalized poly(imides) based on 1,1-bis(4-aminophenyl)-1-z{4â€“bis(4â€“â€“ TM -bromophenyl)amino}phenyl-2,2,2-trifluoroethane. <i>Polymer Science - Series B</i> , 2010, 52, 600-608.	0.8	4
70	Synthesis and photophysical properties of novel conjugated polymers with 4,5-diaza-9,9â€“spirobifluorene fragments in the main chain. <i>Doklady Chemistry</i> , 2012, 442, 50-56.	0.9	4
71	Synthesis of new 2,6-bis(6-fluoro-2-hexyl-2H-benzotriazol-4-yl)-4,4-bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-b']dithiophene based D-A conjugated terpolymers for photovoltaic application. <i>Polymer</i> , 2017, 133, 195-204.	3.8	4
72	New benzodithiophene-pyrrolopyrroledione-thienopyrazine random terpolymers for organic photovoltaics. <i>Mendeleev Communications</i> , 2021, 31, 800-803.	1.6	4

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73	2,5-diphenyl-3,4-bis[p-(phenylethynyl)phenyl]cyclopentadienone and product of its Diels-Alder homocondensation. Russian Chemical Bulletin, 1999, 48, 944-948.	1.5	3
74	New hexaarylbenzene-containing di- and tetrafluoroarenes. Russian Chemical Bulletin, 2005, 54, 1939-1941.	1.5	3
75	Synthesis and spectral characteristics of novel bis(tetraaryl-cyclopentadienones). Doklady Chemistry, 2007, 412, 14-17.	0.9	3
76	Synthesis and photophysical properties of polyphenylquinoxalines with thiophene and benzothiophene units in side chains. Polymer Science - Series A, 2008, 50, 18-24.	1.0	3
77	Novel fluorine-containing bis(tetraaryl-cyclopentadienones). Doklady Chemistry, 2009, 429, 277-282.	0.9	3
78	Novel bipolar carbazole-containing polyphenylquinoxalines: Synthesis and photophysical properties. Doklady Chemistry, 2011, 436, 39-42.	0.9	3
79	New conjugated copolymers based on perylene diimide as electron-acceptor materials for polymeric solar cells. Doklady Chemistry, 2011, 440, 257-262.	0.9	3
80	New π -conjugated polymers based on N-(4-(3,5-bis(4-bromophenyl)-[1,2,4]triazol-4-yl)-phenyl)carbazole: Synthesis and photoluminescent, electroluminescent, and electrochromic properties. Polymer Science - Series B, 2011, 53, 634-644.	0.8	3
81	Photoluminescent phenylated polyfluorenes synthesized in an organic solvent and supercritical carbon dioxide. Polymer Science - Series B, 2012, 54, 106-114.	0.8	3
82	Synthesis and photophysical properties of semiconductor molecules D1-A-D2-A-D1-type structure based on derivatives of quinoxaline and dithienosilole for organics solar cells. Organic Electronics, 2016, 39, 361-370.	2.6	3
83	Bis[1,3]thiazolo[4,5-f:5',4'-h]thieno[3,4-b]quinoxaline Derivatives as New Building Blocks of Polymers for Organic Electronics. Doklady Chemistry, 2018, 482, 207-211.	0.9	3
84	Polycondensation in supercritical carbon dioxide: a contribution from the A. N. Nesmeyanov Institute of Organoelement Compounds of the Russian Academy of Sciences. Russian Chemical Bulletin, 2020, 69, 1035-1053.	1.5	3
85	Effect of the reactivity of diacid chlorides and diols on the microstructure of copolyesters. Polymer Science USSR, 1988, 30, 36-43.	0.2	2
86	New activated bisfluoroaromatic compounds. Russian Chemical Bulletin, 1997, 46, 777-779.	1.5	2
87	Activated bis- and tetrafluoroaromatic compounds containing bis-phenylquinoxaline fragments. Russian Chemical Bulletin, 2002, 51, 1039-1041.	1.5	2
88	Synthesis and photophysical properties of photochromic phenyl-substituted polyphenylenes with main-chain azobenzene fragments. Polymer Science - Series A, 2007, 49, 176-182.	1.0	2
89	New proton-conducting phenyl-substituted polyphenylenes with phosphonate groups in side chain. Polymer Science - Series B, 2008, 50, 88-92.	0.8	2
90	New photoluminescent phenylated polyfluorenes. Polymer Science - Series B, 2010, 52, 656-661.	0.8	2

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91	New polyimide-polyoxometalate nanocomposite materials with nanoporous structure and ultra-low dielectric constant, formed in supercritical carbon dioxide. , 2012, , .		2
92	New photo- and electroluminescent conjugated copolyfluorenes with 7,8,10-triarylfluoranthene units in the backbone. Polymer Science - Series B, 2012, 54, 289-296.	0.8	2
93	Synthesis of n-type conjugated polymers for bulk heterojunction solar cells. Polymer Science - Series B, 2012, 54, 183-192.	0.8	2
94	Synthesis and photo- and electrophysical properties of conjugated copolyfluorenes with 7,8,10-triarylfluoranthene fragments in the main chain. Doklady Chemistry, 2012, 442, 23-29.	0.9	2
95	Conjugated poly(fluoroalkyl 3-thienylacetate)s synthesized in supercritical carbon dioxide. Doklady Chemistry, 2012, 443, 101-106.	0.9	2
96	Fluorinated phenylated polyphenylenes with nanoporous structures and ultralow dielectric constants formed in supercritical carbon dioxide. Polymer Science - Series B, 2012, 54, 275-288.	0.8	2
97	New donor-acceptor benzotrithiophene-containing conjugated polymers for solar cells. AIP Conference Proceedings, 2014, , .	0.4	2
98	Synthesis and optoelectronic properties of conjugated phosphorescent copolyfluorenes containing iridium complexes in main chains and light-emitting diodes formed on their basis. Polymer Science - Series B, 2014, 56, 77-88.	0.8	2
99	New narrow-band-gap conjugated copolymers based on benzodithiophene: Synthesis and photovoltaic properties. Polymer Science - Series B, 2014, 56, 89-108.	0.8	2
100	Synthesis of new symmetrical carbazole- and fluorene-containing $\hat{\pm}$ -diketones. Doklady Chemistry, 2015, 463, 215-220.	0.9	2
101	Novel regular Dâ€“A-conjugated polymers based on 2,6-bis(6-fluoro-2-hexyl-2H-benzotriazol-4-yl)-4,4-bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-bâ€™]dithiophene derivatives: Synthesis, optoelectronic, and electrochemical properties. Doklady Chemistry, 2016, 470, 274-278.	0.9	2
102	New ultra low bandgap thiadiazolequinoxaline-based D-A copolymers for photovoltaic applications. Organic Electronics, 2016, 37, 411-420.	2.6	2
103	New donorâ€“acceptor copolymers with ultra-narrow band gap for photovoltaic application. Doklady Chemistry, 2016, 470, 283-288.	0.9	2
104	New monomer based on thienopyrazine with fluorocarbazole substituents as a promising building block for organic electronics. Doklady Chemistry, 2017, 472, 25-29.	0.9	2
105	Synthesis and photovoltaic properties of new Dâ€“A copolymers based on 5,6â€“bis(2â€“ethylhexyl)naphtha[2,1â€“b:3,4â€“bâ€™]dithiopheneâ€“2,9â€“diyl] donor and fluorine substituted 6,7â€“bis(9,9â€“didodecylâ€“9hâ€“fluoreneâ€“2â€“yl)[1,2,5] thiadiazolo[3,4â€“g]quinoxaline acceptor units. Journal of Polymer Science Part A, 2018, 56, 1297-1307.	2.3	2
106	New Quinoxaline-Containing Monomers for Narrow-Bandgap Polymers. Doklady Chemistry, 2018, 482, 195-200.	0.9	2
107	Photochromic silicone polymers based on 1,2-dihetarylenes. Arkivoc, 2008, 2008, 112-119.	0.5	2
108	Synthesis of new bis[p-(phenylethynyl)phenyl]hetarylenes and bis[p-(phenylglyoxalyl)phenyl]hetarylenes. Russian Chemical Bulletin, 1996, 45, 2240-2242.	1.5	1

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109	Synthesis of new 4,4'-bis(arylethynyl)benzophenones and 4,4'-bis(arylglyoxalyl)benzophenones based on chloral. Russian Chemical Bulletin, 1996, 45, 630-632.	1.5	1
110	Synthesis of 4,4'-bis(4-aminophenoxy)benzophenone and polyimides based on this compound. Russian Chemical Bulletin, 1996, 45, 633-636.	1.5	1
111	Improved synthesis of bis[p-(phenylethynyl)phenyl]heterarylenes. Russian Chemical Bulletin, 1997, 46, 1794-1796.	1.5	1
112	Title is missing!. Russian Chemical Bulletin, 2002, 51, 117-123.	1.5	1
113	Synthesis and Reactivity of Difluoroaromatic Compounds Containing Heterocyclic Central Groups. Russian Journal of General Chemistry, 2003, 73, 1476-1480.	0.8	1
114	Transport properties of poly(phenylquinoxalines) containing heterocyclic moieties. Polymer Science - Series B, 2007, 49, 247-252.	0.8	1
115	Influence of the concentrations of the components and preparation procedures on the relaxation transitions in blends of polyvinyl chloride with butadiene-acrylonitrile elastomers. Russian Journal of Applied Chemistry, 2008, 81, 1027-1032.	0.5	1
116	New conjugated poly(aryleneethynylenes) with main-chain photochromic units. Polymer Science - Series B, 2009, 51, 335-343.	0.8	1
117	New electrochromic polyphenylquinoxalines. Doklady Chemistry, 2010, 435, 297-301.	0.9	1
118	Conjugated silicon- and germanium-containing polyfluoreneethynylenes synthesized in supercritical carbon dioxide. Doklady Chemistry, 2012, 445, 143-149.	0.9	1
119	New conjugated electroluminescent triphenylamine-containing polymers with side-chain pyridin-2-ylimidazo[1,5-a]pyridine groups for polymer light-emitting diodes. Doklady Chemistry, 2013, 450, 165-172.	0.9	1
120	Synthesis and properties of conjugated fluoroalkyl ether-substituted polythiophenes prepared in organic solvent and supercritical carbon dioxide. Polymer Science - Series B, 2013, 55, 81-87.	0.8	1
121	New π -conjugated electroluminescent polymers containing organoiridium quinolinolate complexes in the backbone and light diodes formed on their basis. Polymer Science - Series B, 2014, 56, 198-206.	0.8	1
122	New donor-acceptor benzotrithiophene-containing conjugated polymers for solar cells. Doklady Chemistry, 2014, 454, 25-31.	0.9	1
123	Synthesis and optical and electrochemical properties of 5,6-bis[9-(2-decyltetradecyl)-9H-carbazol-3-yl]naphtho[2,1-b:3,4-b ^{''}]dithiophene as a promising building block for photovoltaic applications. Doklady Chemistry, 2016, 467, 94-99.	0.9	1
124	Synthesis and photophysical properties of semiconductor molecules of D1 ^{''} -A ^{''} -D2 ^{''} -A ^{''} -D1 structure on the basis of quinoxaline and dithienosilole derivatives for organic solar cells. Doklady Physical Chemistry, 2016, 469, 106-110.	0.9	1
125	New narrow-band-gap thiazoloquinoxaline-containing polymers and their use in solar cells with bulk heterojunction. Doklady Chemistry, 2016, 471, 373-377.	0.9	1
126	Opto-Electrical Properties of Composite Materials Based on Two Benzotrithiophene Copolymers and Fullerene Derivatives. Journal of Nanomaterials, 2018, 2018, 1-9.	2.7	1

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127	New Random Terpolymers Based on Bis(4,5-didodecylthiophen-2-yl)-[1,2,5]thiadiazolo[3,4-i]dithieno[3,2-a:2',3'-c]phenazine with Variable Absorption Spectrum as Promising Materials for Organic Solar Cells. Doklady Physical Chemistry, 2021, 496, 1-7.	0.9	1
128	High Performance Fullerene Free Polymer Solar Cells Based on New Thiazole Functionalized Benzo[1,2-b:4,5-b']dithiophene Copolymer Donors. ChemistrySelect, 2021, 6, 7025-7036.	1.5	1
129	New Donor-Acceptor Random Terpolymers with Wide Absorption Spectra of 300-1000 nm for Photovoltaic Applications. Doklady Physical Chemistry, 2020, 495, 196-200.	0.9	1
130	Complex formation by phenols with tertiary amines in aprotic media. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1980, 29, 1906-1909.	0.0	0
131	Evaluation of the reactivity of new activated difluoroaromatic compounds. Russian Chemical Bulletin, 1998, 47, 602-603.	1.5	0
132	Photomechanical effects in Langmuir monolayers from polymers containing azobenzene groups. Mendeleev Communications, 2002, 12, 216-217.	1.6	0
133	New Activated Difluoroaromatic Compounds Containing Internal Acetylenic Moieties. Russian Journal of General Chemistry, 2003, 73, 1110-1113.	0.8	0
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