Alexey Kalinin

List of Publications by Year
in descending order

87 papers	1,050 citations	361045 20 h-index	552369 26 g-index
98 all docs	98 docs citations	98 times ranked	540 citing authors

#	Article	IF	Citations
1	Theoretical predictions of nonlinear optical characteristics of Y-type chromophores with quinoxaline moieties in a bridge. Computational and Theoretical Chemistry, 2022, 1207, 113535.	1.1	3
2	Molecular modeling in design of nonlinear-optical polymer materials doped with indolizine chromophores with isolating groups in donor and acceptor moieties. AIP Conference Proceedings, 2022, , .	0.3	0
3	Synthesis and optical properties of chromophores with a methoxyphenylindolizine moiety. AIP Conference Proceedings, 2022, , .	0.3	1
4	Heck reaction in the synthesis of D-Ï€-A chromophores: The effect of donor and acceptor on the ratio of 1,2- <i>trans</i>- and 1,1-isomer olefins. Synthetic Communications, 2022, 52, 554-563.	1.1	6
5	The Effect Of The Additional Phenyl Moiety On The Linear And Quadratic Nonlinear Optical Properties Of Chromophores With Vinyl-Quinoxalinone-Vinyl Î-Bridge. Journal of Photochemistry and Photobiology A: Chemistry, 2022, , 114013.	2.0	3
6	Chromophores with quinoxaline core in Ï€-bridge and aniline or carbazole donor moiety: synthesis and comparison of their linear and nonlinear optical properties. Russian Chemical Bulletin, 2022, 71, 1009-1018.	0.4	6
7	Methacrylic copolymers with quinoxaline chromophores in the side chain exhibiting quadratic nonlinear optical response. Journal of Applied Polymer Science, 2022, 139, .	1.3	2
8	D-Ï€-A chromophores with a quinoxaline core in the Ï€-bridge and bulky aryl groups in the acceptor: Synthesis, properties, and femtosecond nonlinear optical activity of the chromophore/PMMA guest-host materials. Dyes and Pigments, 2021, 184, 108801.	2.0	27
9	Stimuli-responsive emission of quinoxalinone-based compounds. From experimental findings to theoretical insight by means of multiscale computational spectroscopy approaches. Dyes and Pigments, 2021, 184, 108797.	2.0	5
10	Considerations on electrochemical behavior of NLO chromophores: Relation of redox properties and NLO activity. Electrochimica Acta, 2021, 368, 137578.	2.6	19
11	D-Ï€-A'-Ï€-A chromophores with quinoxaline core in the Ï€-electron bridge and charged heterocyclic acceptor moiety: Synthesis, DFT calculations, photophysical and electro-chemical properties. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 407, 113042.	2.0	8
12	Composing NLO Chromophore as a Puzzle: Electrochemistryâ€based Approach to Design and Effectiveness. ChemPhysChem, 2021, 22, 2313-2328.	1.0	4
13	Temperature-sensitive emission of dialkylaminostyrylhetarene dyes and their incorporation into phospholipid aggregates: Applicability for thermal sensing and cellular uptake behavior. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 268, 120647.	2.0	5
14	Indolizine-based chromophores with octatetraene Ï€-bridge and tricyanofurane acceptor: Synthesis, photophysical, electrochemical and electro-optic properties. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 386, 112125.	2.0	9
15	Imidazo[A]Quinoxalines: New Approaches to Synthesis and Biological Activity. Chemistry of Heterocyclic Compounds, 2020, 56, 663-673.	0.6	6
16	The effect of various substituents in donor moiety on the aggregation of nonlinear-optical quinoxaline-based chromophores in composite polymer materials. Computational Materials Science, 2020, 183, 109900.	1.4	8
17	Characterization of Conjugation Effects in the Series of Quinoxaline-2-ones by Means of Vibrational Raman Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 3865-3875.	1.1	2
18	Polymer Matrix Effect on Nonlinear Optical Response of Composite Materials Doped with a Chromophore Containing a Divinylqunoxaline Ï€-Electron Bridge. Russian Journal of General Chemistry, 2020, 90, 448-453.	0.3	2

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19	New achievements in the synthesis of pyrrolo[1,2-a]quinoxalines. Chemistry of Heterocyclic Compounds, 2019, 55, 584-597.	0.6	29
20	Synthesis of E,E-4-(6-(N-hydroxyethyl(N-ethyl)-aminostyrylquinoxalin-2-yl)vinyl)-2-dicyanomethylene-3-cyano-2,5-dihydrofurans. Synthetic Communications, 2019, 49, 3528-3535.	1.1	8
21	To what extent are the photophysical properties of quinoxaline- and quinoxalinone-based chromophores predictable?. Dyes and Pigments, 2019, 170, 107580.	2.0	13
22	Generation of the Second Harmonic in Metacrylic Polymer Electret Films Doped with Organic Chromophores. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1480-1483.	0.1	2
23	Large nonlinear optical activity of chromophores with divinylquinoxaline conjugated Ï€-bridge. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 370, 58-66.	2.0	22
24	High thermally stable Dâ€"Ï€â€"A chromophores with quinoxaline moieties in the conjugated bridge: Synthesis, DFT calculations and physical properties. Dyes and Pigments, 2018, 156, 175-184.	2.0	27
25	Isomeric indolizine-based Ï€-expanded pushâ€"pull NLO-chromophores: Synthesis and comparative study. Journal of Molecular Structure, 2018, 1156, 74-82.	1.8	16
26	Composite materials containing chromophores with 3,7-(di)vinylquinoxalinone Ï€-electron bridge doped into PMMA: Atomistic modeling and measurements of quadratic nonlinear optical activity. Dyes and Pigments, 2018, 158, 131-141.	2.0	29
27	Nonlinear optical activity of pushâ€"pull indolizine-based chromophores with various acceptor moieties. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 764-772.	2.0	13
28	Novel quinoxalinone-based pushâ€"pull chromophores with highly sensitive emission and absorption properties towards small structural modifications. Physical Chemistry Chemical Physics, 2018, 20, 21515-21527.	1.3	21
29	3-Cyano-2-(dicyano)methylene-4-methyl-2,5-dihydrofurans in the synthesis of nonlinear-optical chromophores (minireview). Chemistry of Heterocyclic Compounds, 2017, 53, 36-38.	0.6	32
30	The effect of rotational isomerism on the first hyperpolarizability of chromophores with divinyl quinoxaline conjugated bridge. Chemical Physics Letters, 2017, 681, 16-21.	1.2	13
31	Synthesis of isomeric (E)-[4-(dimethylamino)phenyl]-vinylquinoxalines â€" precursors for a new class of nonlinear optical chromophores. Chemistry of Heterocyclic Compounds, 2017, 53, 504-510.	0.6	23
32	Pushâ€"pull isomeric chromophores with vinyl- and divinylquinoxaline-2-one units as Ï€-electron bridge: Synthesis, photophysical, thermal and electro-chemical properties. Dyes and Pigments, 2017, 146, 82-91.	2.0	23
33	Synthesis and characterization of new second-order NLO chromophores containing the isomeric indolizine moiety for electro-optical materials. Dyes and Pigments, 2017, 147, 444-454.	2.0	32
34	Nonlinear optical properties of chromophores with indolizine donors: Theoretical study. Computational and Theoretical Chemistry, 2016, 1094, 17-22.	1.1	21
35	Synthesis, Electrochemical and Mass Spectrometric Properties of the Macrocycles with One, Two and Four 3,3Â´-Biindolizine Redox-Active Fragments on the 3-(Indolizin-2-yl)quinoxalin-2-one Platform. Macroheterocycles, 2016, 9, 34-45.	0.9	1
36	Theoretical predictions of nonlinear optical characteristics of novel chromophores with quinoxalinone moieties. Computational and Theoretical Chemistry, 2015, 1074, 91-100.	1.1	28

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37	A short and efficient protocol for the synthesis of imidazo[1,5- a]quinoxalin-4-ones from 3-aroylquinoxalinones and compounds with the aminomethylene moiety. Tetrahedron, 2015, 71, 147-157.	1.0	5
38	Advances in the synthesis of imidazo[1,5-<i>a</i>]- and imidazo[1,2-<i>a</i>]quinoxalines. Russian Chemical Reviews, 2014, 83, 820-847.	2.5	17
39	Quinoxaline Macrocycles. Advances in Heterocyclic Chemistry, 2014, 112, 51-115.	0.9	8
40	Reaction of 3-Alkanoylquinoxalin-2-Ones with Ammonium Acetate in DMSO â€“ A New Method for the Synthesis of Pyrroles. Chemistry of Heterocyclic Compounds, 2014, 50, 195-203.	0.6	8
41	Antimicrobial activity of imidazo[1,5-a]quinoxaline derivatives with pyridinium moiety. European Journal of Medicinal Chemistry, 2013, 66, 345-354.	2.6	39
42	Efficient synthesis and structure peculiarity of macrocycles with bi-indolizinylquinoxalinone moieties. Tetrahedron, 2013, 69, 10675-10687.	1.0	15
43	Iodineâ€“sodium acetate (I2â€“NaOAc) mediated oxidative dimerization of indolizines: an efficient method for the synthesis of biindolizines. Tetrahedron Letters, 2013, 54, 3348-3352.	0.7	19
44	Electrochemical reactions of indolysines. Russian Journal of Electrochemistry, 2011, 47, 1156-1171.	0.3	5
45	Pyrrolo[1,2-a]quinoxalines based on pyrroles (Review). Chemistry of Heterocyclic Compounds, 2011, 46, 1423-1442.	0.6	38
46	Voltammetric study of metal ions binding by biindolizine heterocyclophanes and their acyclic analogues. Russian Journal of Electrochemistry, 2010, 46, 49-61.	0.3	12
47	Pyrrolo[1,2-a]quinoxalines based on quinoxalines (Review). Chemistry of Heterocyclic Compounds, 2010, 46, 641-664.	0.6	31
48	Cation binding by 21,31-diphenyl-l 2,42-dioxo-7,10,13-trioxa-1,4(3,1)-diquinoxalina-2 (2,3),3(3,2)-diindolizinacyclopentadecaphane and its acyclic analog. Russian Chemical Bulletin, 2009, 58, 89-94.	0.4	19
49	Macrocycles, derivatives of nitrogen-containing heterocycles 2. Synthesis and electrochemical properties of diindolizinadiquinoxalinacyclooxaalkaphanes. Russian Chemical Bulletin, 2009, 58, 1484-1492.	0.4	3
50	Macrocycles, derivatives of nitrogen-containing heterocycles 3. Synthesis of di(imidazo[1,5-a]quinoxalina)-2(1,3)-benzadithiacycloalkaphanes. Russian Chemical Bulletin, 2009, 58, 1493-1503.	0.4	3
51	An efficient method for the synthesis of imidazo[1,5-a]quinoxalines from 3-acylquinoxalinones and benzylamines via a novel imidazoannulation. Tetrahedron, 2009, 65, 9412-9420.	1.0	18
52	Synthesis of 3-alkylquinoxalin-2(1H)-ones via Grignard reaction. Russian Journal of Organic Chemistry, 2009, 45, 1098-1101.	0.3	9
53	Competition of imidazo-annulation and pyrrole-formation in the reactions of benzylamine with 3-acetylquinoxalin-2-ones. Russian Chemical Bulletin, 2008, 57, 219-220.	0.4	5
54	Polyfused nitrogen heterocycles: XIX. Oxidative imidazo-fusion of 3-benzoylquinoxalin-2-ones with benzylamines in the synthesis of bis(imidazo[1,5-a]quinoxalin-1- and -5-yl) derivatives. Russian Journal of Organic Chemistry, 2008, 44, 736-740.	0.3	8

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55	Redox-switchable binding of the Mg2+ ions by 21,31-diphenyl-12,42-dioxo-7,10,13-trioxa-1,4(3,1)-diquinoxaline-2(2,3),3(3,2)-diindolysine-cyclopentadecaphane. Russian Journal of Electrochemistry, 2007, 43, 770-775.	0.3	16
56	Surface films obtained by electrochemical oxidation of 1,11-bis(3-indolizinin-2-ylquinoxalin-2-on-1-yl)-3,6,9-trioxyundecane. Russian Journal of Electrochemistry, 2007, 43, 1127-1132.	0.3	5
57	Synthesis, structure, and electrochemical properties of 12,42-dioxo-21,31-diphenyl-7,10,13-trioxa-1,4(3,1)-diquinoxalina-2(2,3),3(3,2)-diindolizinacyclopentadecaphane. Russian Chemical Bulletin, 2007, 56, 2060-2073.	0.4	10
58	Polyfused nitrogen-containing heterocycles 18. 2â€²-Amino-5-methyl-1,2,3,4,4â€²,5â€²-hexahydrospiro[quinoxaline-2,4â€²-thiazol]-3-ones. Synthesis, structure, and recyclization. Russian Chemical Bulletin, 2007, 56, 2471-2478.	0.4	2
59	Quinoxaline-benzimidazole rearrangements in the reactions of 3-alkanoylquinoxalin-2-ones with 1,2-phenylenediamines. Chemistry of Heterocyclic Compounds, 2007, 43, 1307-1314.	0.6	20
60	Quinoxaline-benzimidazole rearrangement in the synthesis of benzimidazole-based podands. Russian Journal of Organic Chemistry, 2006, 42, 1532-1543.	0.3	24
61	Redox active surface films produced by electrooxidation of substituted indolysines. Russian Journal of Electrochemistry, 2006, 42, 212-224.	0.3	5
62	Structure-NMR chemical shift relationships for novel functionalized derivatives of quinoxalines. Magnetic Resonance in Chemistry, 2005, 43, 816-828.	1.1	38
63	Fused Polycyclic Nitrogen-Containing Heterocycles. Part 9. Oxidative Fusion of Imidazole Ring to 3-Benzoylquinoxalin-2-ones.. ChemInform, 2005, 36, no.	0.1	0
64	Synthesis and Functionalization of 3-Ethylquinoxalin-2(1H)-one.. ChemInform, 2005, 36, no.	0.1	0
65	3-Indolizin-2-ylquinoxalines and the derived monopodands. Russian Chemical Bulletin, 2005, 54, 2616-2625.	0.4	16
66	Synthesis and Functionalization of 3-Ethylquinoxalin-2(1H)-one. Russian Journal of Organic Chemistry, 2005, 41, 599-606.	0.3	27
67	Carbon Disulfide in Synthesis of Thiazolo[3,4-a]quinoxalines Based on 3-(Â-Chlorobenzyl)quinoxalin-2-(1H)-ones. Chemistry of Heterocyclic Compounds, 2004, 40, 129-131.	0.6	5
68	Ring contraction in reactions of 3-benzoylquinoxalin-2-ones with 1,2-phenylenediamines. Quinoxaline-benzoimidazole rearrangement. Russian Chemical Bulletin, 2004, 53, 164-175.	0.4	23
69	Catalytic effect of supramolecular system based on cationic surfactant and monopodands in nucleophilic substitution of phosphorus esters. Russian Chemical Bulletin, 2004, 53, 1563-1571.	0.4	6
70	Fused Polycyclic Nitrogen-Containing Heterocycles: VI. Pyrrolo[1,2-a]quinoxalines. Russian Journal of Organic Chemistry, 2004, 40, 114-123.	0.3	9
71	Fused Polycyclic Nitrogen-Containing Heterocycles: VII. Reaction Products of 3-(Â-Chlorobenzyl)-1,2-dihydro-quinoxalin-2-one and Thioureas as Key Intermediate Compounds in the Synthesis of Thiazolo[3,4-a]quinoxalines. Russian Journal of Organic Chemistry, 2004, 40, 527-533.	0.3	7
72	Fused Polycyclic Nitrogen-Containing Heterocycles: IX. Oxidative Fusion of Imidazole Ring to 3-Benzoylquinoxalin-2-ones. Russian Journal of Organic Chemistry, 2004, 40, 1041-1046.	0.3	9

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73	Spirothiazolo[4?,2]- and thiazolo-[3,4-a]quinoxalines based on 3-(?-bromoethyl)quinoxalin-2-ones and thiourea. Chemistry of Heterocyclic Compounds, 2004, 40, 1510-1512.	0.6	3
74	Fused Polycyclic Nitrogen-Containing Heterocycles. Part 6. Pyrrolo[1,2-a]quinoxalines.. ChemInform, 2004, 35, no.	0.1	0
75	Ring Contraction in Reactions of 3-Benzoylquinoxalin-2-ones with 1,2-Phenylenediamines. Quinoxalineâ€"Benzoimidazole Rearrangement.. ChemInform, 2004, 35, no.	0.1	0
76	Fused Polycyclic Nitrogen-Containing Heterocycles. Part 7. Reaction Products of 3-(Î±-Chlorobenzyl)-1,2-dihydroquinoxalin-2-one and Thioureas as Key Intermediate Compounds in the Synthesis of Thiazolo[3,4-a]quinoxalines.. ChemInform, 2004, 35, no.	0.1	0
77	Title is missing!. Chemistry of Heterocyclic Compounds, 2003, 39, 96-100.	0.6	12
78	Title is missing!. Russian Journal of Organic Chemistry, 2003, 39, 131-140.	0.3	7
79	Title is missing!. Russian Journal of Organic Chemistry, 2003, 39, 125-130.	0.3	9
80	Fused Nitrogen-Containing Heterocycles. Part 3. 4-Oxo-1-phenyl-4,5-dihydroimidazo[1,5-a]quinoxalines. A Retrosynthetic Approach.. ChemInform, 2003, 34, no.	0.1	1
81	Fused Nitrogen-Containing Heterocycles. Part 4. 3-Benzoyl-2-oxo-1,2-dihydroquinoxaline Hydrazones and Flavazoles Derived Therefrom.. ChemInform, 2003, 34, no.	0.1	2
82	Imidazo[1,5-a]- and Thiazolo[3,4-a]quinoxalines Based on 3-(a-Thiocyanobenzyl)quinoxalin-2(1H)-one. Chemistry of Heterocyclic Compounds, 2002, 38, 1121-1129.	0.6	8
83	Title is missing!. Chemistry of Heterocyclic Compounds, 2002, 38, 1504-1510.	0.6	30
84	Title is missing!. Chemistry of Heterocyclic Compounds, 2000, 36, 1120-1121.	0.6	2
85	Unexpected quinoxalinobenzimidazole rearrangement. Chemistry of Heterocyclic Compounds, 2000, 36, 882-883.	0.6	13
86	Cyclodehydration of 3-[Î±-(2â€²-aminophenylamino)-benzylidene]-2-oxo-1,4-dihydroquinoxaline into 2,2â€²-bisbenzimidazole with elimination of the benzylidene fragment. Chemistry of Heterocyclic Compounds, 2000, 36, 226-227.	0.6	1
87	3-Aryl-1-imino-4-oxo-4,5-dihydrothiazolo-[3,4a]quinoxalines. Retrosynthetic approach. Chemistry of Heterocyclic Compounds, 1999, 35, 1459-1473.	0.6	6