

Gleb Baryshnikov

List of Publications by Year in descending order

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192
papers

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citations

101384

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194
all docs

194
docs citations

194
times ranked

4288
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory and Calculation of the Phosphorescence Phenomenon. <i>Chemical Reviews</i> , 2017, 117, 6500-6537.	23.0	420
2	Principles of phosphorescent organic light emitting devices. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1719-1758.	1.3	398
3	Cyclo[18]carbon: Insight into Electronic Structure, Aromaticity, and Surface Coupling. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6701-6705.	2.1	103
4	Crystal Multi-Conformational Control Through Deformable Carbon-Sulfur Bond for Singlet-Triplet Emissive Tuning. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4328-4333.	7.2	82
5	Diazadioxo[8]circulenes: Planar Antiaromatic Cyclooctatetraenes. <i>Chemistry - A European Journal</i> , 2013, 19, 17097-17102.	1.7	80
6	A three-dimensional ratiometric sensing strategy on unimolecular fluorescence thermally activated delayed fluorescence dual emission. <i>Nature Communications</i> , 2019, 10, 731.	5.8	80
7	First-principles method for calculating the rate constants of internal-conversion and intersystem-crossing transitions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6121-6133.	1.3	79
8	Azatrioxa[8]circulenes: Planar Antiaromatic Cyclooctatetraenes. <i>Chemistry - A European Journal</i> , 2013, 19, 3898-3904.	1.7	78
9	Mixing of Phosphorescent and Exciplex Emission in Efficient Organic Electroluminescent Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1219-1225.	4.0	78
10	Anti-Kasha's Rule Emissive Switching Induced by Intermolecular H-Bonding. <i>Chemistry of Materials</i> , 2018, 30, 8008-8016.	3.2	75
11	Efficient Warm-White OLEDs Based on the Phosphorescent bis-Cyclometalated iridium(III) Complex. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11271-11278.	1.5	73
12	One-step solvothermal synthesis of high-emissive amphiphilic carbon dots via rigidity derivation. <i>Chemical Science</i> , 2018, 9, 1323-1329.	3.7	71
13	Aromaticity of the planar hetero[8]circulenes and their doubly charged ions: NICS and GIMIC characterization. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15367-15374.	1.3	69
14	Molecular Phosphorescence in Polymer Matrix with Reversible Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20765-20774.	4.0	68
15	Highly Efficient Blue Organic Light-Emitting Diodes Based on Intermolecular Triplet-Singlet Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22538-22544.	1.5	65
16	Contribution of TADF and exciplex emission for efficient warm-white OLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1543-1550.	2.7	64
17	Integrating Time-Resolved Imaging Information by Single-Luminophore Dual Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17018-17025.	7.2	58
18	Novel Zinc Complex with an Ethylenediamine Schiff Base for High-Luminance Blue Fluorescent OLED Applications. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11850-11859.	1.5	56

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19	DFT characterization of a new possible graphene allotrope. <i>Chemical Physics Letters</i> , 2014, 612, 229-233.	1.2	54
20	Benzoannulated aza-, oxa- and azaoxa[8]circulenes as promising blue organic emitters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28040-28051.	1.3	54
21	Electronic structure and spectral properties of the triarylamine-dithienosilole dyes for efficient organic solar cells. <i>Dyes and Pigments</i> , 2012, 92, 531-536.	2.0	53
22	Tetrathio and Tetraseleno[8]circulenes: Synthesis, Structures, and Properties. <i>Chemistry - an Asian Journal</i> , 2015, 10, 969-975.	1.7	52
23	Experimental and theoretical study of IR and Raman spectra of tetraoxa[8]circulenes. <i>Vibrational Spectroscopy</i> , 2012, 61, 156-166.	1.2	51
24	Nucleus-independent chemical shift criterion for aromaticity in π -extended tetraoxa[8]circulenes. <i>Journal of Molecular Modeling</i> , 2013, 19, 847-850.	0.8	50
25	The art of the possible: computational design of the 1D and 2D materials based on the tetraoxa[8]circulene monomer. <i>RSC Advances</i> , 2014, 4, 25843-25851.	1.7	50
26	Design of nanoscaled materials based on tetraoxa[8]circulene. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6555.	1.3	48
27	Fluorescence and FTIR Spectra Analysis of Trans-A2B2-Substituted Di- and Tetra-Phenyl Porphyrins. <i>Materials</i> , 2010, 3, 4446-4475.	1.3	47
28	Electronic structure, aromaticity and spectra of hetero[8]circulenes. <i>Russian Chemical Reviews</i> , 2015, 84, 455-484.	2.5	46
29	Dual-Phase Thermally Activated Delayed Fluorescence Luminogens: A Material for Time-Resolved Imaging Independent of Probe Pretreatment and Probe Concentration. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7548-7554.	7.2	46
30	Simultaneous anchoring of Ni nanoparticles and single-atom Ni on BCN matrix promotes efficient conversion of nitrate in water into high-value-added ammonia. <i>Chemical Engineering Journal</i> , 2022, 433, 133190.	6.6	46
31	Highly Luminous Sky-Blue Organic Light-Emitting Diodes Based on the Bis[(1,2)(5,6)]indoloanthracene Emissive Layer. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6206-6217.	1.5	45
32	A Fluorescence-Phosphorescence-Phosphorescence Triple-Channel Emission Strategy for Full-Color Luminescence. <i>Small</i> , 2020, 16, e1906475.	5.2	45
33	Potassium ions promote electrochemical nitrogen reduction on nano-Au catalysts triggered by bifunctional boron supramolecular assembly. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13086-13094.	5.2	44
34	Density functional theory study of electronic structure and spectra of tetraoxa[8]circulenes. <i>Computational and Theoretical Chemistry</i> , 2011, 972, 68-74.	1.1	43
35	Photoinduced Radical Emission in a Coassembly System. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23842-23848.	7.2	43
36	Fragmentation of the adenine and guanine molecules induced by electron collisions. <i>Journal of Chemical Physics</i> , 2014, 140, 175101.	1.2	42

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37	Copper confined in vesicle-like BCN cavities promotes electrochemical reduction of nitrate to ammonia in water. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23675-23686.	5.2	42
38	Application of Bader's atoms in molecules theory to the description of coordination bonds in the complex compounds of Ca ²⁺ and Mg ²⁺ with methyldene rhodanine and its anion. <i>Russian Journal of General Chemistry</i> , 2012, 82, 1254-1262.	0.3	39
39	Deciphering the unusual fluorescence in weakly coupled bis-nitro-pyrrolo[3,2-b]pyrroles. <i>Communications Chemistry</i> , 2020, 3, .	2.0	37
40	DFT and QTAIM study of the tetra-tert-butyltetraoxa[8]circulene regioisomers structure. <i>Journal of Molecular Structure</i> , 2012, 1026, 127-132.	1.8	35
41	Aromaticity of the completely annelated tetraphenylenes: NICS and GIMIC characterization. <i>Journal of Molecular Modeling</i> , 2015, 21, 136.	0.8	34
42	Aromaticity of the doubly charged [8]circulenes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8980-8992.	1.3	34
43	Synthesis and characterisation of a carbazole-based bipolar exciplex-forming compound for efficient and color-tunable OLEDs. <i>New Journal of Chemistry</i> , 2017, 41, 559-568.	1.4	34
44	The effect of molecular structure on the properties of quinoxaline-based molecules for OLED applications. <i>Dyes and Pigments</i> , 2020, 173, 108008.	2.0	34
45	Schiff Base Zinc(II) Complexes as Promising Emitters for Blue Organic Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3436-3444.	2.0	34
46	A DFT and QTAIM study of the novel d-block metal complexes with tetraoxa[8]circulene-based ligands. <i>New Journal of Chemistry</i> , 2015, 39, 7815-7821.	1.4	33
47	Nine-ring angular fused bis-carbazoloanthracene displaying a solid state based excimer emission suitable for OLED application. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5795-5805.	2.7	33
48	BCN-Encapsulated Nano-nickel Synergistically Promotes Ambient Electrochemical Dinitrogen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31419-31430.	4.0	33
49	N-Confused Phlorin-Prodigiosin Chimera: <i>meso</i> -Aryl Oxidation and Extension Triggered by Peripheral Coordination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1537-1541.	7.2	32
50	First-principles calculations of anharmonic and deuteration effects on the photophysical properties of polyacenes and porphyrinoids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22314-22323.	1.3	32
51	Single crystal architecture and absorption spectra of octathio[8]circulene and sym-tetraselenatetrathio[8]circulene: QTAIM and TD-DFT approach. <i>Journal of Molecular Modeling</i> , 2013, 19, 4511-4519.	0.8	31
52	Two-dimensional BCN matrix inlaid with single-atom-Cu driven electrochemical nitrate reduction reaction to achieve sustainable industrial-grade production of ammonia. <i>Applied Materials Today</i> , 2021, 25, 101206.	2.3	31
53	Porphyrins containing a tetraphenylethylene-substituted phenothiazine donor for fabricating efficient dye sensitized solar cells with high photovoltages. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1320-1328.	5.2	31
54	BODIPY-core 1,7-diphenyl-substituted derivatives for photovoltaics and OLED applications. <i>Dyes and Pigments</i> , 2020, 175, 108123.	2.0	30

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55	Aromaticity of Even-Number Cyclo[<i>n</i>]carbons ($n = 6\text{--}100$). <i>Journal of Physical Chemistry A</i> , 2020, 124, 10849-10855.	1.1	30
56	Alkali and alkaline-earth metal complexes with tetraoxa[8]circulene sheet: a computational study by DFT and QTAIM methods. <i>RSC Advances</i> , 2015, 5, 24299-24305.	1.7	28
57	Recent progress in quantum chemistry of hetero[8]circulenes. <i>Molecular Physics</i> , 2017, 115, 2218-2230.	0.8	28
58	New WOLEDs based on π -extended azatrioxa[8]circulenes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4123-4128.	2.7	28
59	Crystal Multi-Conformational Control Through Deformable Carbon-Sulfur Bond for Singlet-Triplet Emissive Tuning. <i>Angewandte Chemie</i> , 2019, 131, 4372-4377.	1.6	28
60	A Fully Conjugated Planar Heterocyclic [9]Circulene. <i>Journal of the American Chemical Society</i> , 2020, 142, 14058-14063.	6.6	28
61	Compressing a Non-Planar Aromatic Heterocyclic [7]Helicene to a Planar Hetero[8]Circulene. <i>Chemistry - A European Journal</i> , 2020, 26, 4935-4940.	1.7	28
62	Efficient Dye-Sensitized Solar Cells Based on a New Class of Doubly Concerted Companion Dyes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33274-33284.	4.0	28
63	Efficient Ambient Electrocatalytic Ammonia Synthesis by Nanogold Triggered via Boron Clusters Combined with Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42821-42831.	4.0	27
64	The FTIR spectra of substituted tetraoxa[8]circulenes and their assignments based on DFT calculations. <i>Vibrational Spectroscopy</i> , 2013, 65, 147-158.	1.2	26
65	A comparative study of the electronic structure and spectra of tetraoxa[8]circulene and octathio[8]circulene. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2014, 116, 33-46.	0.2	26
66	Skeletal Rearrangement of Twisted Thia-Norhexaphyrin: Multiply Annulated Polypyrrolic Aromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5925-5929.	7.2	26
67	Strong Topological States and High Charge Carrier Mobility in Tetraoxa[8]circulene Nanosheets. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22216-22222.	1.5	25
68	Engineering stable radicals using photochromic triggers. <i>Nature Communications</i> , 2020, 11, 945.	5.8	25
69	Manipulating crystals through photoexcitation-induced molecular realignment. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11707-11714.	2.7	25
70	Thiazoline Carbene-Cu(I)-Amide complexes: Efficient White Electroluminescence from Combined Monomer and Excimer Emission. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15478-15493.	4.0	25
71	Structure of zinc complexes with 3-(pyridin-2-yl)-5-(arylideneiminophenyl)-1H-1,2,4-triazoles in different tautomeric forms: DFT and QTAIM study. <i>Russian Journal of Inorganic Chemistry</i> , 2013, 58, 928-934.	0.3	24
72	Computational study of the structure, UV-vis absorption spectra and conductivity of biphenylene-based polymers and their boron nitride analogues. <i>RSC Advances</i> , 2016, 6, 49505-49516.	1.7	24

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73	Multi-channel electroluminescence of CdTe/CdS core-shell quantum dots implemented into a QLED device. <i>Dyes and Pigments</i> , 2019, 162, 647-653.	2.0	23
74	Expanded N-Confused Phlorin: A Platform for a Multiply Fused Polycyclic Ring System via Oxidation within the Macrocyclic. <i>Journal of the American Chemical Society</i> , 2020, 142, 17195-17205.	6.6	23
75	DFT simulation of the heteroannelated octatetraenes vibronic spectra with the Franck-Condon and Herzberg-Teller approaches including Duschinsky effect. <i>Chemical Physics</i> , 2015, 459, 65-71.	0.9	22
76	Structure and spectroscopic characterization of tetrathia- and tetraselena[8]circulenes as a new class of polyaromatic heterocycles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 247-261.	2.0	22
77	N-annelated perylenes as effective green emitters for OLEDs. <i>RSC Advances</i> , 2015, 5, 78150-78159.	1.7	21
78	Lighting up solid states using a rubber. <i>Nature Communications</i> , 2021, 12, 908.	5.8	21
79	Structure and spectral properties of truxene dye S5. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2020, 108, 16-22.	0.2	20
80	Synthesis and photophysical properties of Zn(II) Schiff base complexes possessing strong solvent-dependent solid-state fluorescence. <i>Polyhedron</i> , 2018, 155, 202-208.	1.0	20
81	Extended Discrete Interaction Model: Plasmonic Excitations of Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28867-28880.	1.5	20
82	Twisted-Planar-Twisted expanded porphyrinoid dimer as a rudimentary reaction-based methanol indicator. <i>Nature Communications</i> , 2020, 11, 5289.	5.8	20
83	Enhancing the Operability of Photoexcitation-Controlled Aggregation-Induced Emissive Molecules in the Organic Phase. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6182-6189.	2.1	20
84	Theoretical study of vibration spectra of sensitizing dyes for photoelectrical converters based on ruthenium(II) and iridium(III) complexes. <i>Russian Journal of Applied Chemistry</i> , 2009, 82, 1211-1221.	0.1	19
85	Quantum-chemical study of the structure and optical properties of sensitized dyes of an indoline-thiazolidine series. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2010, 108, 16-22.	0.2	19
86	Quantum-chemical study of effect of conjugation on structure and spectral properties of C105 sensitizing dye. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2011, 110, 393-400.	0.2	19
87	Synthesis and properties of synthetic fulvic acid derived from hematoxylin. <i>Journal of Molecular Structure</i> , 2015, 1086, 25-33.	1.8	19
88	Aromaticity and photophysics of tetrasila- and tetragerma-annelated tetrathienylenes as new representatives of the hetero[8]circulene family. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9246-9254.	1.3	19
89	Structure and tuneable luminescence in polymeric zinc compounds based on 3-(3-pyridyl)-5-(4-pyridyl)-1,2,4-triazole. <i>Polyhedron</i> , 2020, 191, 114768.	1.0	19
90	Benzoselenophenylpyridine platinum complexes: green versus red phosphorescence towards hybrid OLEDs. <i>Dalton Transactions</i> , 2020, 49, 3393-3397.	1.6	19

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91	Tripyrrin-armed isosmaragdyrins: synthesis, heterodinuclear coordination, and protonation-triggered helical inversion. <i>Chemical Science</i> , 2020, 11, 2790-2795.	3.7	19
92	Structure and excitation-dependent emission of novel zinc complexes with pyridyltriazoles. <i>RSC Advances</i> , 2019, 9, 22143-22152.	1.7	18
93	When are Antiaromatic Molecules Paramagnetic?. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21027-21035.	1.5	18
94	Fluorenyl Indoline as an Efficient Electron Donor for Concerted Companion Dyes: Enhanced Light-Harvesting and Photocurrent. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49828-49839.	4.0	18
95	Integrating Time-Resolved Imaging Information by Single-Luminophore Dual Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2020, 132, 17166-17173.	1.6	17
96	Anti-Aromatic versus Induced Paratropicity: Synthesis and Interrogation of a Dihydrodiazatrioxa[9]circulene with a Proton Placed Directly above the Central Ring. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5144-5150.	7.2	17
97	A computational study of aromaticity and photophysical properties of unsymmetrical azatrioxa[8]circulenes. <i>New Journal of Chemistry</i> , 2017, 41, 2717-2723.	1.4	16
98	Relations between the aromaticity and magnetic dipole transitions in the electronic spectra of hetero[8]circulenes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30239-30246.	1.3	16
99	The Electronic Structure of Heteroannulated Cyclooctatetraenes and their UV-Vis Absorption Spectra. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 349-363.	0.6	15
100	Study of structure and spectral characteristics of the binuclear zinc complex with (E)-2-({2-[3-(pyridin-2-yl)-1H-1,2,4-triazol-5-yl]phenylimino}methyl)phenol. <i>Russian Journal of General Chemistry</i> , 2011, 81, 2332-2344.	0.3	13
101	Visualizing Material Processing via Photoexcitation-Controlled Organic-Phase Aggregation-Induced Emission. <i>Research</i> , 2021, 2021, 9862093.	2.8	13
102	Multidimensional Structure Conformation of Persulfurated Benzene for Highly Efficient Phosphorescence. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1314-1322.	4.0	13
103	Theoretical investigation of the structure and electronic absorption spectrum of a complex zinc bis-[8-(3,5-difluorophenylsulfanyl)amino]quinolate]. <i>Optics and Spectroscopy (English Translation of) Tj ETQq1 1 @.284314 igBT /Ov</i>	0.7	13
104	A computational study of structural and magnetic properties of bi- and trinuclear Cu(II) complexes with extremely long Cu—Cu distances. <i>Chemical Physics</i> , 2017, 491, 48-55.	0.9	12
105	Nucleotide Interaction with a Chitosan Layer on a Silica Surface: Establishing the Mechanism at the Molecular Level. <i>Langmuir</i> , 2021, 37, 1511-1520.	1.6	12
106	Stabilizing hydrogen-hydrogen interactions in cationic indopolycarbocyanine dyes. <i>Journal of Structural Chemistry</i> , 2011, 52, 1051-1056.	0.3	11
107	Quantum-chemical study of structure and spectral properties of triphenylamine-rhodanine dye 2-(5-(4-(diphenylamine)benzylidene)-4-oxo-2-thioxothiazolidine-3-yl) acetic acid. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011, 110, 216-223.	0.2	11
108	Raman spectra of tetraoxa[8]circulenes. p-dinaphthalenodiphenylenetetrafulran and its tetraalkyl derivatives (DFT study and experiment). <i>Journal of Applied Spectroscopy</i> , 2012, 79, 695-707.	0.3	11

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109	Theoretical study of the dimerization of rhodanine in various tautomeric forms. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 47, 1268-1279.	0.6	11
110	Structure and spectral properties of triphenylamine dye functionalized with 3,4-propylenedioxythiophene. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2012, 112, 829-835.	0.2	11
111	Quantum-chemical investigation of the structure and electronic absorption spectra of electroluminescent zinc complexes. <i>Optics and Spectroscopy (English Translation of Optika I)</i> Tj ETQq1 1 0.784314 orgBT /Overlock 10	0.2	11
112	Solvatochromic effect in absorption and emission spectra of star-shaped bipolar derivatives of 1,3,5-triazine and carbazole. A time-dependent density functional study. <i>Journal of Molecular Modeling</i> , 2017, 23, 55.	0.8	11
113	A theoretical study of new representatives of closed- and open-circle benzofuran and benzocyclopentadienone oligomers. <i>New Journal of Chemistry</i> , 2018, 42, 11493-11505.	1.4	11
114	Hydrophobic boron organic polymers: Ultra-high capacity of enrichment and storage for chloroform. <i>Chemical Engineering Journal</i> , 2020, 385, 123827.	6.6	11
115	Flexible diphenylsulfone versus rigid dibenzothiophene-dioxide as acceptor moieties in donor-acceptor-donor TADF emitters for highly efficient OLEDs. <i>Organic Electronics</i> , 2020, 83, 105733.	1.4	11
116	Impact of molecular and packing structure on the charge-transport properties of hetero[8]circulenes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1451-1466.	2.7	11
117	Aromaticity of Heterocirculenes. <i>Chemistry</i> , 2021, 3, 1411-1436.	0.9	11
118	Raman spectra of alkyl-substituted azaoxa[8]circulenes: DFT calculation and experiment. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2013, 114, 509-521.	0.2	10
119	Temperature effects in low-frequency Raman spectra of corticosteroid hormones. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2015, 118, 214-223.	0.2	10
120	The blue vibronically resolved electroluminescence of azatrioxa[8]circulene. <i>Chemical Physics Letters</i> , 2019, 732, 136667.	1.2	10
121	Impact of heteroatoms (S, Se, and Te) on the aromaticity of heterocirculenes. <i>New Journal of Chemistry</i> , 2019, 43, 12178-12190.	1.4	10
122	Quadrupolar Dyes Based on Highly Polarized Coumarins. <i>Organic Letters</i> , 2021, 23, 6770-6774.	2.4	10
123	Persistent radical pairs trigger nano-gold to highly efficiently and highly selectively drive the value-added conversion of nitroaromatics. <i>Chem Catalysis</i> , 2021, 1, 1118-1132.	2.9	10
124	Structure and electronic absorption spectra of isotruxene dyes for dye-sensitized solar cells: Investigation by the DFT, TDDFT, and QTAIM methods. <i>Optics and Spectroscopy (English Translation of)</i> Tj ETQq0 002rgBT /Overlock 10	0.2	10
125	Anion-induced exchange interactions in binuclear complexes of Cu(II) with flexible hexadentate bispicolylamidrazone ligands. <i>Chemical Physics Letters</i> , 2016, 661, 48-52.	1.2	9
126	Quantum-chemical study of the structure and magnetic properties of mono- and binuclear Cu(II) complexes with 1,3-bis(3-(pyrimidin-2-yl)-1H-1,2,4-triazol-5-yl)propane. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 588-593.	0.3	9

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127	Substituent-sensitive fluorescence of sequentially N-alkylated tetrabenzotetraaza [8]circulenes. <i>New Journal of Chemistry</i> , 2017, 41, 7621-7625.	1.4	9
128	BaZrO ₃ perovskite nanoparticles as emissive material for organic/inorganic hybrid light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 145, 399-403.	2.0	9
129	A complete characterization of vibrational IR and Raman spectra of the highly-symmetrical octathia[8]circulene. <i>Vibrational Spectroscopy</i> , 2019, 100, 107-116.	1.2	9
130	N-Confused Hexapyrrolic Phlorinoid with NIR Absorption: Synthesis, Fusion, Oxidation, and Copper(II) Coordination. <i>Organic Letters</i> , 2020, 22, 9648-9652.	2.4	9
131	Single-layer polymeric tetraoxa[8]circulene modified by s-block metals: toward stable spin qubits and novel superconductors. <i>Nanoscale</i> , 2021, 13, 4799-4811.	2.8	9
132	Anti-Aromatic versus Induced Paratropicity: Synthesis and Interrogation of a Dihydro- δ -diazatrioxa[9]circulene with a Proton Placed Directly above the Central Ring. <i>Angewandte Chemie</i> , 2020, 132, 5182-5188.	1.6	8
133	Photoinduced Radical Emission in a Coassembly System. <i>Angewandte Chemie</i> , 2021, 133, 24035.	1.6	8
134	Theoretical study of the conformational structure and thermodynamic properties of 5-(4-oxo-1,3-thiazolidine-2-ylidene)-rhodanine and ethyl-5-(4-oxo-1,3-thiazolidine-2-ylidene)-rhodanine-3-acetic acid as acceptor groups of indoline dyes. <i>Journal of Structural Chemistry</i> , 2010, 51, 817-823.	0.3	7
135	Absolute effective cross sections of ionization of adenine and guanine molecules by electron impact. <i>Technical Physics</i> , 2015, 60, 1430-1436.	0.2	7
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