

# Yuri V Gatilov

## List of Publications by Year in descending order

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93  
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#	ARTICLE	IF	CITATIONS
1	Octahedral Hexahydroxo Rhenium Cluster Complexes [Re <sub>6</sub> Q <sub>8</sub> (OH) <sub>6</sub> ]4- (Q = S, Se): Synthesis, Structure, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3945-3949.	2.0	86
2	[1,2,5]Thiadiazolo[3,4-c][1,2,5]thiadiazolidyl: A Long-Lived Radical Anion and Its Stable Salts. <i>Inorganic Chemistry</i> , 2005, 44, 7194-7199.	4.0	57
3	Interaction of 1,2,5-Chalcogenadiazole Derivatives with Thiophenolate: Hypercoordination with Formation of Interchalcogen Bond versus Reduction to Radical Anion. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4851-4860.	2.5	52
4	Tellurium-“Nitrogen” Heterocyclic Chemistry: Synthesis, Structure, and Reactivity Toward Halides and Pyridine of 3,4-Dicyano-1,2,5-telluradiazole. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3693-3703.	2.0	43
5	[1,2,5]Selenadiazolo[3,4-c][1,2,5]thiadiazole and [1,2,5]Selenadiazolo[3,4-c][1,2,5]thiadiazolidyl: A Synthetic, Structural, and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4751-4761.	2.0	41
6	Supramolecular synthons in crystals of partially fluorinated fused aromatics: 1,2,3,4-Tetrafluoronaphthalene and its aza-analogue 1,3,4-trifluoroisoquinoline. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 1281-1287.	1.7	38
7	Cyclic aryleneazachalcogenenes VI. Synthesis, crystal and molecular structure of 5,6,7,8-tetrafluoro-1,3,2,4-benzodithiadiazine, a formally antiaromatic stable compound. <i>Polyhedron</i> , 1992, 11, 1137-1141.	2.2	36
8	1,2,3-Benzodithiazolyl radicals formed by thermolysis and photolysis of 1,3,2,4-benzodithiadiazines. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 409-415.	2.8	36
9	Planar 1,3,4-Benzodithiadiazine and Its Nonplanar 5,6,7,8-Tetrafluoro Derivative: Gas-Phase Structures Studied by Electron Diffraction and Ab Initio Calculations. <i>Chemistry - A European Journal</i> , 2001, 7, 3592.	3.3	35
10	Toward molecular wire: Synthesis, crystal, molecular, and electronic structure of 1,7-bis(aryl)-1,3,5,7-tetraaza-2,4,6-trithia-1,2,5,6-heptatetraenes. <i>Heteroatom Chemistry</i> , 1990, 1, 443-453.	0.7	34
11	Unprecedented bistability domain and interplay between spin crossover and polymorphism in a mononuclear iron(II) complex. <i>Dalton Transactions</i> , 2014, 43, 3906.	3.3	34
12	Reactions of vicinal nitroamines with sulfur monochloride: a short and convenient route to fused 1,2,5-thiadiazoles and their N-oxides. <i>Tetrahedron Letters</i> , 2013, 54, 3075-3078.	1.4	32
13	Regioselectivity of fluoride ion-induced intramolecular nucleophilic cyclization of heptafluoronaphthyl sulfur diimides 2-NfF-N-SiMe <sub>3</sub> and 2-NfFS-N-SiMe <sub>3</sub> . <i>Heteroatom Chemistry</i> , 1994, 5, 561-565.	0.7	30
14	Substituted 1,3,2,4-benzodithiadiazines: Novel derivatives, by-products, and intermediates. <i>Heteroatom Chemistry</i> , 2001, 12, 563-576.	0.7	29
15	New fluorinated 1,2-diaminoarenes, quinoxalines, 2,1,3-arenothia(selena)diazoles and related compounds. <i>Journal of Fluorine Chemistry</i> , 2014, 165, 123-131.	1.7	28
16	Synthesis of new chiral heterocycles of the pyrazole and 2-isoxazoline types from (+)-3-carene. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 479-489.	1.8	27
17	Synthesis and HIV-1 integrase inhibitory activity of spiroundecane(ene) derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1362-1368.	2.2	27
18	Optically active ZnII and PtII complexes of the 3-carene type $\beta$ -amino oxime. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 115-122.	1.8	26

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19	Interaction of 1,2,3-benzodithiazolyls (Herz radicals) with dioxygen. Mendeleev Communications, 2005, 15, 14-17.	1.6	26
20	Substituted 1,3,2,4-benzodithiadiazines and related compounds. Heteroatom Chemistry, 1999, 10, 113-124.	0.7	25
21	Interaction of 1,3,2,4-Benzodithiadiazines and Their 1-Se Congeners with Ph <sub>3</sub> P and Some Properties of the Iminophosphorane Products. Inorganic Chemistry, 2011, 50, 3017-3027.	4.0	25
22	Synthesis of 3,4-Bis(hydroxymethyl)-2,2,5,5-tetraethylpyrrolidin-1-oxyl via 1,3-Dipolar Cycloaddition of Azomethine Ylide to Activated Alkene. Journal of Organic Chemistry, 2018, 83, 5392-5397.	3.2	24
23	New Polysulfur-Nitrogen Heterocycles by Thermolysis of 1,3,4,2,4-Benzodithiadiazines in the Hydrocarbon and Fluorocarbon Series. European Journal of Inorganic Chemistry, 2005, 2005, 4099-4108.	2.0	23
24	5,6,7,8-Tetrafluoro-3,4,1,2,4-benzothiaselenadiazine, 5,6,7,8-Tetrafluoro-1,3,4,2,2,4-benzodithiadiazine, and Their Hydrocarbon Analogues: A Molecular and Crystal Structures. Inorganic Chemistry, 2006, 45, 2221-2228.	4.0	23
25	A mononuclear iron(II) complex: cooperativity, kinetics and activation energy of the solvent-dependent spin transition. Dalton Transactions, 2016, 45, 107-120.	3.3	22
26	Synthesis of extended acyclic azathienes. Crystal and molecular structure of two compounds, Ar(SN <sub>n</sub> SiMe <sub>3</sub> ) <sub>n</sub> (Ar = 2-O <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> ; n = 1,2). Polyhedron, 1992, 11, 2787-2793.	2.2	21
27	Molecular complexes of octafluoronaphthalene with acyclic and heterocyclic sulfur-nitrogen compounds. Journal of Fluorine Chemistry, 2002, 116, 149-156.	1.7	20
28	Experimental and Computational Study on the Structure and Properties of Herz Cations and Radicals: 1,2,3-Benzodithiazolium, 1,2,3-Benzodithiazolyl, and Their Se Congeners. Inorganic Chemistry, 2013, 52, 3699-3710.	4.0	19
29	Z,Z Isomers of Sterically Hindered 1,3-Bis(aryl)-1,3-diaza-2-thiaallenes, (ArN) <sub>2</sub> S, in the Crystal and in Solution. Mendeleev Communications, 1994, 4, 136-137.	1.6	18
30	Study of chiral $\beta^2$ -enaminones prepared from pyrrolidine, cytosine, salsoline and 2-amino-1-(4-nitrophenyl)propane-1,3-diol: resolution of salsoline via diastereomeric modified carane-type $\beta^2$ -enaminones. Tetrahedron: Asymmetry, 2003, 14, 233-238.	1.8	17
31	1,2,4,3,5-Benzotrithiadiazepine and its unexpected hydrolysis to unusual 7H,14H-dibenzo[d,i][1,2,6,7,3,8]tetrathiadiazecine. Chemical Communications, 2001, , 1774-1775.	4.1	16
32	Does a Stabilising Interaction Favouring the Z,Z Configuration of $\text{R}_2\text{S}-\text{N}(\text{R})_2-\text{Si}(\text{R})_2-\text{N}(\text{R})_2$ Systems Exist?. Chemistry - A European Journal, 2005, 11, 4544-4551.	3.3	15
33	Oxygen replacement by fluorine in carbonyl derivatives of perfluoroaromatic compounds and isomerization of perfluoroindan-1,3-dione to perfluoro-3-methylenephthalide under the action of HF/SbF <sub>5</sub> . Journal of Fluorine Chemistry, 2006, 127, 1574-1583.	1.7	15
34	Reactivity of 12 $\pi$ -electron arenothiazines: synthesis and molecular structure of triphenyl[(4,5,6,7-tetrafluoro-1,2,3-benzodithiazol-2-yl)imino]- $\beta^5$ -phosphane. Journal of the Chemical Society Chemical Communications, 1993, , 298-299.	2.0	14
35	Reaction of certain $\beta^2$ -unsaturated terpenic oximes with sodium nitrite in acetic acid: A facile synthesis of allylic nitro compounds. Tetrahedron, 1995, 51, 1789-1808.	1.9	14
36	Insight Into the Intermolecular Factors Responsible for the Z,Z Configuration of $\text{Ar}(\text{X})\text{N}=\text{S}=\text{N}(\text{X})\text{Ar}$ (X = S, Se) Derivatives in the Solid State. European Journal of Inorganic Chemistry, 2007, 2007, 1958-1965.	2.0	14

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37	Tetra- and polynuclear cadmium(II) complexes with 3,5-bis(pyrimidin-2-yl)-4H-1,2,4-triazol-4-amine. Synthesis, polymorphism, lone pair $\pi$ - $\pi$ interactions and luminescence. <i>Inorganica Chimica Acta</i> , 2015, 425, 182-188.	2.4	14
38	He I photoelectron spectra and $\pi$ -electronic structure of 1,3,2,4-benzodithiadiazine and 5,6,7,8-tetrafluoro-1,3,2,4-benzodithiadiazine, formally antiaromatic $12\pi$ -electron compounds. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994, 67, 489-492.	1.7	13
39	Regioselectivity and relative substrate activity of difluoroquinolines containing fluorine atoms in benzene ring in reaction with sodium methoxide. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 1502-1509.	1.7	13
40	1,3-Dipolar cycloaddition reaction of 4,5-dihydro-1H-imidazole 3-oxides with alkynes. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 277-291.	2.6	13
41	Controlled self-assembly of $\pi$ -stacked/H-bonded 1D crystal structures from polyfluorinated arylamines and 18-crown-6 (2 $\times$ : $\pi$ :1). Associatevs.co-former fluorescence properties. <i>CrystEngComm</i> , 2018, 2.6, 20, 807-817.	2.6	13
42	Influenza antiviral activity of F- and OH-containing isopulegol-derived octahydro-2H-chromenes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 31, 127677.	2.2	13
43	Impact of molecular packing rearrangement on solid-state fluorescence: polyhalogenated <i>N</i> -hetarylamines vs. their co-crystals with 18-crown-6. <i>CrystEngComm</i> , 2019, 21, 5931-5946.	2.6	12
44	Z,Z Isomers of Polyfluorinated 1,3-Bis(aryl)-1,3-diaza-2-thiaallenes, (ArN=)2S, in the Crystal and in Solution. <i>Mendeleev Communications</i> , 1994, 4, 167-169.	1.6	11
45	Cyclic Aryleneazachalcogenes, X. Synthesis, Molecular Structure and Photoelectron Spectrum of 6,7,8,9-Tetrafluoro-1,3,5,2,4-benzotrithiadiazepine and Attempted Syntheses of Related Larger Size Heterocycles[1]. <i>Chemische Berichte</i> , 1997, 130, 247-253.	0.2	10
46	Skeletal transformations of perfluoro-1-ethyl-1-phenylbenzocyclobutene in the reaction with antimony pentafluoride. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 951-958.	1.7	10
47	Mono-, di-, tetra- and heptanuclear copper(II) complexes with 4-(3,5-di-R-1H-pyrazol-1-yl)-6-methyl-2-(pyridin-2-yl)pyrimidines (R=H, Me): Syntheses, crystal structures and electrospray ionization mass spectrometry. <i>Inorganica Chimica Acta</i> , 2013, 395, 95-103.	2.4	10
48	Polyfluorinated aryl nitrosamines. <i>Journal of Fluorine Chemistry</i> , 2002, 114, 55-61.	1.7	9
49	Expansion of the pentafluorobenzene ring of perfluoro-1,2-diethyl-1-phenylbenzocyclobutene under the action of SbF <sub>5</sub> . <i>Journal of Fluorine Chemistry</i> , 2008, 129, 64-67.	1.7	9
50	The First Observation of the <i>E</i> , <i>Z</i> Configuration Of Ar $\pi$ -X $\pi$ -N=S=N $\pi$ -X $\pi$ -Ar (X = S, Se) Chains in the Crystalline State. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4801-4810.	2.0	9
51	Interaction of 1,3,2,4-Benzodithiadiazines with Aromatic Phosphines and Phosphites. <i>Heteroatom Chemistry</i> , 2015, 26, 42-50.	0.7	9
52	An Acid-Catalyzed Cascade Synthesis of Oxaazatetracyclo [5.5.0.0 <sup>3,11</sup> .0 <sup>5,9</sup> ]dodecane Derivatives. <i>Journal of Energetic Materials</i> , 2017, 35, 363-373.	2.0	9
53	Design and supramolecular structure of crystal associates of polyfluoroarylenediamines and 18-crown-6 (2:1). <i>Journal of Molecular Structure</i> , 2017, 1133, 122-134.	3.6	9
54	A New Synthetic Route to Heteroanthracenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1265-1273.	2.4	9

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55	Discovery of New Ginsenol-Like Compounds with High Antiviral Activity. <i>Molecules</i> , 2021, 26, 6794.	3.8	9
56	Unexpected water addition to fluorinated 1,3,4,2,4-benzodithiadiazines with the formation of 2-amino-N-sulfinylbenzenesulfenamides. <i>Mendeleev Communications</i> , 2003, 13, 19-21.	1.6	8
57	Aminodefluorination of 2-X-pentafluoro-1,4-naphthoquinones (X=NHnBu, NEt2, and OMe). <i>Journal of Fluorine Chemistry</i> , 2010, 131, 70-77.	1.7	8
58	Transformations of perfluorinated 1,2-dialkyl-, 1,1- and 1,2-alkylphenylbenzocyclobutenes to indan-2-one and isochromene derivatives under the action of CO/SbF5. <i>Journal of Fluorine Chemistry</i> , 2016, 188, 117-125.	1.7	8
59	Baker's yeast-induced asymmetric reduction of the keto group activated by the cyclopropane unit.. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 1165-1187.	1.8	7
60	Syntheses and crystal structure of bridged Os3-clusters with chiral 3-carene-type ligands. <i>Journal of Organometallic Chemistry</i> , 2000, 604, 1-6.	1.8	7
61	Novel optically active pyrazole ligands derived from (+)-3-carene. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 2875-2881.	1.8	7
62	Intramolecular 1,3-Dipolar Cycloaddition of Alkenyl Nitrones of the 4H-Imidazole Series: Synthesis of a New Nitroxide pH-Sensitive Spin Probe. <i>Synthesis</i> , 2010, 2010, 343-348.	2.3	7
63	Molecular Rearrangements of (-)- $\pm$ -Cedrene in Superacids. <i>Tetrahedron Letters</i> , 1995, 36, 8093-8096.	1.4	6
64	Reactions of polyfluorinated cyclohexadienones with diazoalkanes. Part 1. Formation of cyclopropanes from polyfluorinated cyclohexa-2,4-dienones with diazomethane and phenyldiazomethane. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1929-1933.	1.3	6
65	Spin crossover in iron(II) hexafluorophosphate complexes with 2-(pyridin-2-yl)-4-(3,5-di-R-1H-pyrazol-1-yl)-6-methylpyrimidines. <i>Inorganica Chimica Acta</i> , 2017, 467, 238-243.	2.4	6
66	1,1-Difluoronaphthalen-2(1H)-ones as building blocks for fluorinated tetraphenes. <i>Journal of Fluorine Chemistry</i> , 2018, 210, 88-93.	1.7	6
67	Hysteretic spin crossover in isomeric iron( $\langle \text{sc} \rangle \text{ii} \langle / \text{sc} \rangle$ ) complexes. <i>Dalton Transactions</i> , 2018, 47, 9585-9591.	3.3	6
68	The first stable RNSNH sulfur diimide. <i>Mendeleev Communications</i> , 2002, 12, 167-168.	1.6	5
69	Synthesis of regioisomeric (S)-(+)-3,3,4-trimethyl-8-methoxy-3,4-dihydrobenzo[h]-isoquinolin-1(2H)-one and (S)-(+)-1,2,2-trimethyl-8-methoxy-1,2-dihydrobenzo[f]-isoquinolin-4(3H)-one by the Ritter reaction. <i>Mendeleev Communications</i> , 2005, 15, 125-127.	1.6	5
70	Unexpectedly low affinity of aromatic disulfides for $\pi$ -stacking interactions of the arene $\pi$ -polyfluoroarene type. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 746-754.	1.7	5
71	Design of zigzag-like supramolecular 1D assemblies of polyfluorinated meta-arylenediamines and 18-crown-6. <i>Journal of Molecular Structure</i> , 2011, 995, 109-115.	3.6	5
72	Synthesis of 1-hydroxy-1,5-dihydro-2H-pyrrol-2-ones or 1-hydroxy-1,6-dihydropyridine-2,5-diones from N-hydroxy-N-(2-oxoalkyl)amides. <i>Tetrahedron Letters</i> , 2015, 56, 5980-5981.	1.4	5

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73	Polyfluorinated oxacalixarenes. Interaction of perfluoro- <i>m</i> -xylene with resorcinol and tetrafluororesorcinol. <i>Journal of Fluorine Chemistry</i> , 2017, 199, 52-59.	1.7	5
74	Purposeful regioselectivity control of the Birch reductive alkylation of biphenyl-4-carbonitrile. <i>Tetrahedron</i> , 2018, 74, 842-851.	1.9	5
75	Stereochemistry of the Kabachnik-Fields Condensation of Terpenic Amino Oximes with Aldehydes and Dimethyl Phosphite. <i>ChemistrySelect</i> , 2020, 5, 7596-7604.	1.5	5
76	Unexpected Ring Opening During the Imination of Camphor-Type Bicyclic Ketones. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 452-463.	2.4	5
77	New Reaction Products of Acetylacetone with Semicarbazide Derivatives. <i>ACS Omega</i> , 2021, 6, 8637-8645.	3.5	5
78	The first synthesis and X-ray structures of polyfluorinated 1,2-, 2,3- and 2,4a-dihydro-1,3-diazafluorenes. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 936-942.	1.7	4
79	The molecular structure of N,N'-disulfinyl-3,4,5,6-tetrafluoro-1,2-diaminobenzene: A computational and X-ray diffraction study. <i>Journal of Molecular Structure</i> , 2010, 978, 158-162.	3.6	4
80	Design and structural regularities of zigzag-like supramolecular 1D assemblies of polyhalogenated 2,6-, 2,4-diaminopyridines and 18-crown-6. <i>Journal of Molecular Structure</i> , 2013, 1033, 27-33.	3.6	4
81	Polyfluorinated hydroxy and carboxy benzenes as a new type of H-donors for self-assembly with 18-crown-6 ether: Synthesis, supramolecular structure and stability of co-crystals. <i>Journal of Fluorine Chemistry</i> , 2020, 236, 109577.	1.7	4
82	Magnetic Properties of $\pi$ -Conjugated Hybrid Phenoxyl-Nitroxide Radicals with Extended $\pi$ -Spin Delocalization. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2416-2426.	2.5	4
83	Co-crystals of polyhalogenated diaminobenzonitriles with 18-crown-6: effect of fluorine on the stoichiometry and supramolecular structure. <i>CrystEngComm</i> , 2021, 23, 4767-4781.	2.6	4
84	Investigation of molecular carbonium ion rearrangements by the molecular mechanics method. <i>Russian Chemical Reviews</i> , 1992, 61, 1077-1084.	6.5	3
85	Copper(II) complex with 6-(3,5-dimethyl-1H-pyrazol-1-yl)-2-(pyridin-2-yl)pyrimidin-4-amine: synthesis, crystal structure, and electronic spectroscopy. <i>Journal of Coordination Chemistry</i> , 2012, 65, 550-558.	2.2	3
86	Polyfluorinated tetraoxacalixarenes and bicyclooxacalixarenes. Interaction of pentafluorobenzonitrile with resorcinol, orcinol and tetrafluororesorcinol. <i>Journal of Fluorine Chemistry</i> , 2019, 222-223, 59-67.	1.7	3
87	The first example of the stereoselective synthesis and crystal structure of a spirobicycloquinazolinone based on ( $\alpha$ )-fenchone and anthranilamide. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1675-1680.	0.5	3
88	New 3,1,2,4-benzothiaselenadiazines, related $\pi$ -heterocycles including Herz cations, radicals and molecular complexes, and Bunte salts. <i>New Journal of Chemistry</i> , 0, , .	2.8	3
89	Energetic Materials Based on N-substituted 4(5)-nitro-1,2,3-triazoles. <i>Materials</i> , 2022, 15, 1119.	2.9	3
90	Fluorinated dihydroindeno[2,1-c][1,2,6]thiadiazines: The first synthesis, structural characterization and reactivity. <i>Journal of Fluorine Chemistry</i> , 2012, 135, 254-260.	1.7	2

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91	Polyhalogenated aminobenzonitriles vs. their co-crystals with 18-crown-6: amino group position as a tool to control crystal packing and solid-state fluorescence. <i>CrystEngComm</i> , 0, , .	2.6	1
92	A Straightforward and Convenient Synthesis of Cbz-Protected 2-(1-Aminoalkyl)oxazole-5-carboxylates. <i>Synlett</i> , 2005, 2005, 2072-2076.	1.8	0
93	Unexpected one-pot formation of the 1 <i>H</i> -6a,8a-epiminotricyclopenta[ <i>a</i> , <i>c</i> , <i>e</i> ][8]annulene system from cyclopentanone, ammonia and dimethyl fumarate. Synthesis of highly strained polycyclic nitroxide and EPR study. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2664-2670.	2.2	0