

Irina Vandyukova

List of Publications by Year in descending order

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48
papers

198
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all docs

48
docs citations

48
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	DFT study of the structure and IR spectra of Gc1 model compound built from cyclotriphosphazene core. <i>Journal of Molecular Structure</i> , 2008, 875, 587-593.	3.6	20
2	DFT study of structure, IR and Raman spectra of and dendrimers built from octasubstituted metal-free phthalocyanine core. <i>Chemical Physics</i> , 2009, 358, 177-183.	1.9	19
3	Tunable amphiphilic π - π systems based on isatin derivatives containing a quaternary ammonium moiety: The role of alkyl chain length in biological activity. <i>Journal of Molecular Liquids</i> , 2019, 290, 111220.	4.9	16
4	"Doubly enantiophobic" behavior during crystallization of racemic 1,5-dihydro-2H-pyrrol-2-one thioether. <i>CrystEngComm</i> , 2018, 20, 3218-3227.	2.6	14
5	IR and Raman spectra, hydrogen bonds, and conformations of N-(2-hydroxyethyl)-4,6-dimethyl-2-oxo-1,2-dihydropyrimidine (drug Xymedone). <i>Russian Chemical Bulletin</i> , 2012, 61, 1199-1206.	1.5	9
6	Composition features of hydrocarbons and rocks of Domanic deposits of different oil fields in the Tatarstan territory. <i>Petroleum Science and Technology</i> , 2019, 37, 374-381.	1.5	9
7	REACTIONS OF LAWESSON'S REAGENT WITH ARSENIC (III) ALKOXIDES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1997, 126, 137-143.	1.6	8
8	Molecular structure and IR spectra of generation phosphorus dendrimer built from cyclophosphazene core with terminal phenoxy groups by DFT calculations. <i>Journal of Molecular Structure</i> , 2008, 886, 1-8.	3.6	8
9	DFT analysis of vibrational spectra of phosphorus-containing dendrons built from cyclotriphosphazene core. <i>Journal of Molecular Structure</i> , 2009, 932, 97-104.	3.6	8
10	Vibrational spectra study of fluorescent dendrimers built from the cyclotriphosphazene core with terminal dansyl and carbamate groups. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 462-470.	3.9	8
11	The influence of transition metals " Fe, Co, Cu on transformation of organic matters from Domanic rocks in hydrothermal catalytic system. <i>Petroleum Science and Technology</i> , 2018, 36, 1382-1388.	1.5	8
12	DFT study of structure, IR and Raman spectra of the fluorescent "Janus" dendron built from cyclotriphosphazene core. <i>Journal of Molecular Structure</i> , 2011, 1005, 25-30.	3.6	7
13	Comparative Study of Changes in the Composition of Organic Matter of Rocks from Different Sampling-Depth Intervals of Domanik and Domankoid Deposits of the Romashkino Oilfield. <i>Petroleum Chemistry</i> , 2019, 59, 1124-1137.	1.4	7
14	Packing Polymorphism on the Example of 5-Hydroxy-1-(4-Methylbenzyl)-3-Chloro-4-[(4-Chlorophenyl)Sulfanyl]-1,5-Dihydro-2H-Pyrrol-2-One: A Crystallographic, Thermochemical, and Spectroscopic Study. <i>Journal of Structural Chemistry</i> , 2020, 61, 476-488.	1.0	7
15	DFT study and IR spectra of hexaphenoxycyclotriphosphazene generation phosphorus dendrimer. <i>Chemical Physics</i> , 2006, 330, 349-354.	1.9	5
16	DFT calculations of structure and IR spectra of the phosphorus-containing G ₀ generation dendron. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 358-365.	3.9	5
17	DFT analysis of structure and IR spectra of phosphorus G ₁ generation dendron. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 745-753.	3.9	5
18	Addition of diphenylphosphinoyl azide to [60]fullerene. <i>Russian Chemical Bulletin</i> , 1999, 48, 2144-2148.	1.5	4

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19	DFT calculations of structure and vibrational spectra of dendron built of cyclotriphosphazene core with terminal carbamate and ester groups. <i>Vibrational Spectroscopy</i> , 2010, 54, 21-29.	2.2	4
20	Reactions of dialkyl phosphonates and phosphonates with bis(benzylideneimino)toluene. <i>Russian Chemical Bulletin</i> , 1996, 45, 1242-1244.	1.5	3
21	Molecular structure and properties of oxime phosphonates: an FTIR and quantum chemical study. <i>Russian Chemical Bulletin</i> , 2007, 56, 1298-1304.	1.5	3
22	Mixed micellar systems of metal complexes of alkylated N-methyl-d-glucamines with hexadecyltrimethylammonium bromide. <i>Russian Chemical Bulletin</i> , 2019, 68, 424-430.	1.5	3
23	Vibrational spectra and structure of derivatives of 2-chloro-2-seleno-1, 3,2-dioxaphosphorinanes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1981, 30, 1234-1237.	0.0	2
24	Vibrational spectra and conformation of 2-methyl-2-seleno-1,3,2-dioxaphosphorinanes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1981, 30, 916-918.	0.0	2
25	Reaction of ethylN,N-(p-methoxybenzal)-p-aminobenzoate with dialkyl phosphonates. <i>Russian Chemical Bulletin</i> , 1996, 45, 1240-1242.	1.5	2
26	Title is missing!. <i>Russian Chemical Bulletin</i> , 2003, 52, 846-852.	1.5	2
27	FTIR and FT-Raman spectra and DFT vibrational analysis of phosphorus-containing dendrons. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1110-1118.	3.9	2
28	Comparative IR spectroscopic study of phosphorus-containing dendrimers built of thiophosphoryl, cyclophosphazene and phthalocyanine cores. <i>Vibrational Spectroscopy</i> , 2009, 51, 326-332.	2.2	2
29	DFT study of structure, IR and Raman spectra of the first generation dendron built from cyclotriphosphazene core. <i>Journal of Molecular Structure</i> , 2011, 987, 144-151.	3.6	2
30	Vibrational spectra and structure of compounds of the EtP(X)Cl ₂ (X=O, S, Se) series. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1976, 25, 781-785.	0.0	1
31	Synthesis of alkyl (3-pyridyl)hydroxymethylphosphonates and their IR spectra. <i>Russian Chemical Bulletin</i> , 1994, 43, 1584-1586.	1.5	1
32	Synthesis and comparative characteristic of organophosphorus dendrimers with phenoxy and deuterophenoxy end groups. <i>Russian Journal of General Chemistry</i> , 2008, 78, 2257-2264.	0.8	1
33	IR spectroscopy investigation using DFT analysis on the structure of P1 phosphorus dendrimer built from octasubstituted metal-free phthalocyanine core. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 636-642.	3.9	1
34	Rotational isomerism of methylchlorothiophosphate. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1975, 24, 71-74.	0.0	0
35	Vibrational spectra and structure of some methyl selenophosphonates and methyl selenophosphinates. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1976, 25, 1334-1336.	0.0	0
36	Dipole moments of some selenophosphoryl compounds. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1978, 27, 1225-1227.	0.0	0

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37	Spectra and molecular conformations of 1,3,2-dioxaphosphorinanes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1981, 30, 2071-2072.	0.0	0
38	Conformation behavior of 2-chloro-1,3,2-dioxaphosphhepanes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1981, 30, 410-413.	0.0	0
39	Conformational analysis for CH ₃ SP(O)Cl ₂ from vibrational spectra. Journal of Structural Chemistry, 1985, 26, 43-46.	1.0	0
40	Vibrational spectra and molecular conformations of 2-chloro-1,3,2-diheterophospholanes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1986, 35, 1627-1633.	0.0	0
41	Molecular structure of a number of five-membered organophosphorus compounds. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1986, 35, 1011-1015.	0.0	0
42	Conformation of 1,3,2,6-dioxaphosphazocines according to data obtained by molecular mechanics method. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1989, 38, 2097-2102.	0.0	0
43	Investigation of conformational state of molecules of dimphosphone H ₃ C-(C=O)CH ₂ -C(CH ₃) ₂ -(P=O)(OCH ₃) ₂ by means of vibrational (IR, Raman) spectroscopy and molecular mechanics. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 1429-1434.	0.0	0
44	IR Spectral study of the drug, dimphosphone, in aqueous media. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 1971-1974.	0.0	0
45	1,3-diallyl-5-[(diphenylphosphino)alkyl] isocyanurates in reactions of complex formation with palladium(ii) dichloride. Russian Chemical Bulletin, 1998, 47, 1812-1819.	1.5	0
46	The nature of photostimulated processes in As ₂ Se ₃ layers used in fabricating the elements of diffraction optics. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2005, 72, 210.	0.4	0
47	Features of the elemental, structural-group, and microelement composition of asphaltenes from natural bitumens of the Permian deposits of Tatarstan. Petroleum Science and Technology, 2020, 38, 18-23.	1.5	0
48	Unexpected polymorphic behaviour of four racemic 3-pyrrolin-2-one derivatives. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e463-e463.	0.1	0