Janusz Rak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135 papers	2,624 citations	30 h-index	45 g-index
145 ext. papers	2,808 ext. citations	4.7 avg, IF	4.76 L-index

#	Paper	IF	Citations
135	DNA Damage Radiosensitizers Geared Towards Hydrated Electrons **2022**, 125-169		0
134	Guanosine Dianions Hydrated by One to Four Water Molecules.. *Journal of Physical Chemistry Letters*, **2022**, 3230-3236	6.4	1
133	Low-Energy Electron Induced Reactions in Metronidazole at Different Solvation Conditions. *Pharmaceuticals*, **2022**, 15, 701	5.2	0
132	2,6-diaminopurine promotes repair of DNA lesions under prebiotic conditions. *Nature Communications*, **2021**, 12, 3018	17.4	4
131	Electrophilic Properties of 2Q-Deoxyadenosine-Thymine Dimer: Photoelectron Spectroscopy and DFT Studies. *Journal of Physical Chemistry A*, **2021**, 125, 6591-6599	2.8	
130	Photoelectron Spectroscopy and Theoretical Investigations of Gaseous Doubly Deprotonated 2Q-Deoxynucleoside 5Q-Monophosphate Dianions. *Journal of Physical Chemistry Letters*, **2021**, 12, 9463-9469	6.4	2
129	Theoretical and Experimental Studies on the Visible Light Activity of TiO2 Modified with Halide-Based Ionic Liquids. *Catalysts*, **2020**, 10, 371	4	4
128	Uracil-5-yl -Sulfamate: An Illusive Radiosensitizer. Pitfalls in Modeling the Radiosensitizing Derivatives of Nucleobases. *Journal of Physical Chemistry B*, **2020**, 124, 5600-5613	3.4	4
127	Modifications at the C(5) position of pyrimidine nucleosides. *Russian Chemical Reviews*, **2020**, 89, 281-316	6.8	4
126	Design, synthesis and biological evaluation of betulin-3-yl 2-amino-2-deoxy-d-glycopyranosides. *Bioorganic Chemistry*, **2020**, 96, 103568	5.1	5
125	The Product of Matrix Metalloproteinase Cleavage of Doxorubicin Conjugate for Anticancer Drug Delivery: Calorimetric, Spectroscopic, and Molecular Dynamics Studies on Peptide-Doxorubicin Binding to DNA. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
124	Why Does the Type of Halogen Atom Matter for the Radiosensitizing Properties of 5-Halogen Substituted 4-Thio-2Q-Deoxyuridines?. *Molecules*, **2019**, 24,	4.8	5
123	Electron-Induced Dissociation of the Potential Radiosensitizer 5-Selenocyanato-2Q-deoxyuridine. *Journal of Physical Chemistry B*, **2019**, 123, 1274-1282	3.4	12
122	Photoinduced electron transfer in 5-bromouracil labeled DNA. A contrathermodynamic mechanism revisited by electron transfer theories. *Physical Chemistry Chemical Physics*, **2019**, 21, 4387-4393	3.6	7
121	5-Iodo-4-thio-2Q-Deoxyuridine as a Sensitizer of X-ray Induced Cancer Cell Killing. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
120	Why Does the Type of Halogen Atom Matter for Radiosensitizing Properties of 5-Substituted 4-Thio-2?-Deoxyuridines?. *Proceedings (mdpi)*, **2019**, 22, 40	0.3	
119	Cytotoxicity of doxorubicin conjugated with C60 fullerene. Structural and in vitro studies. *Structural Chemistry*, **2019**, 30, 2327-2338	1.8	5

118	Molecular features of thymidine analogues governing the activity of human thymidine kinase. *Structural Chemistry*, **2018**, 29, 1367-1374	1.8	9
117	5-Selenocyanato and 5-trifluoromethanesulfonyl derivatives of 2Q-deoxyuridine: synthesis, radiation and computational chemistry as well as cytotoxicity.. *RSC Advances*, **2018**, 8, 21378-21388	3.7	12
116	Chemically-enzymatic synthesis of photosensitive DNA. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 167, 228-235	6.7	3
115	Consequences of Electron Attachment to Modified Nucleosides Incorporated into DNA **2017**, 1895-1916		
114	UV-induced electron transfer between triethylamine and 5-bromo-2Q-deoxyuridine. A puzzle concerning the photochemical debromination of labeled DNA. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 142, 262-269	3.5	2
113	5-Selenocyanatouracil: A Potential Hypoxic Radiosensitizer. Electron Attachment Induced Formation of Selenium Centered Radical. *Journal of Physical Chemistry B*, **2017**, 121, 6139-6147	3.4	17
112	The Sequence Dependence of Photoinduced Single Strand Break in 5-Bromo-2Q-deoxyuridine Labeled DNA Supports That Electron Transfer Is Responsible for the Damage. *Journal of Physical Chemistry B*, **2017**, 121, 9169-9174	3.4	2
111	Visible-Light Photocatalytic Activity of Ionic Liquid TiO2 Spheres: Effect of the Ionic LiquidQ Anion Structure. *ChemCatChem*, **2017**, 9, 4377-4388	5.2	14
110	Dominant Pathways of Adenosyl Radical-Induced DNA Damage Revealed by QM/MM Metadynamics. *Journal of Chemical Theory and Computation*, **2017**, 13, 6415-6423	6.4	6
109	5-Bromo-2Q-deoxycytidine-a potential DNA photosensitizer. *Organic and Biomolecular Chemistry*, **2016**, 14, 9312-9321	3.9	11
108	Quantitative assay of photoinduced DNA strand breaks by real-time PCR. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 128, 480-484	3.5	4
107	Electrophilic 5-Substituted Uracils as Potential Radiosensitizers: A Density Functional Theory Study. *ChemPhysChem*, **2016**, 17, 2572-8	3.2	17
106	Excess Electron Attachment to the Nucleoside Pair 2Q-Deoxyadenosine (dA)-2Q-Deoxythymidine (dT). *Journal of Physical Chemistry B*, **2016**, 120, 4955-62	3.4	4
105	Radiation damage to single stranded oligonucleotide trimers labelled with 5-iodopyrimidines. *Organic and Biomolecular Chemistry*, **2016**, 14, 9331-9337	3.9	9
104	Reactivity pattern of bromonucleosides induced by 2-hydroxypropyl radicals: photochemical, radiation chemical, and computational studies. *Journal of Physical Chemistry B*, **2015**, 119, 6545-54	3.4	2
103	Mechanisms of Damage to DNA Labeled with Electrophilic Nucleobases Induced by Ionizing or UV Radiation. *Journal of Physical Chemistry B*, **2015**, 119, 8227-38	3.4	53
102	5-Thiocyanato-2Q-deoxyuridine as a possible radiosensitizer: electron-induced formation of uracil-C5-thiyl radical and its dimerization. *Physical Chemistry Chemical Physics*, **2015**, 17, 16907-16	3.6	23
101	Consequences of Electron Attachment to Modified Nucleosides Incorporated into DNA **2015**, 1-22		1

100	The radiosensitivity of 5- and 6-bromocytidine derivatives--electron induced DNA degradation. *Physical Chemistry Chemical Physics*, **2014**, 16, 19424-8	3.6	9
99	Electron induced single strand break and cyclization: a DFT study on the radiosensitization mechanism of the nucleotide of 8-bromoguanine. *Physical Chemistry Chemical Physics*, **2014**, 16, 6568-74	3.6	15
98	Photoinduced single strand breaks and intrastrand cross-links in an oligonucleotide labeled with 5-bromouracil. *Journal of Physical Chemistry B*, **2014**, 118, 5009-16	3.4	17
97	DHPLC and MS studies of a photoinduced intrastrand cross-link in DNA labeled with 5-bromo-2Q-deoxyuridine. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 130, 86-92	6.7	4
96	A first-principles study of electron attachment to the fully hydrated bromonucleobases. *Chemical Physics Letters*, **2014**, 595-596, 133-137	2.5	31
95	Electron-induced single strand break in the nucleotide of 5- and 6-bromouridine. A DFT study. *Chemical Physics Letters*, **2014**, 612, 289-294	2.5	14
94	An ESR and DFT study of hydration of the 2Q-deoxyuridine-5-yl radical: a possible hydroxyl radical intermediate. *Chemical Communications*, **2014**, 50, 14605-8	5.8	14
93	Artificial plasmid labeled with 5-bromo-2Q-deoxyuridine: a universal molecular system for strand break detection. *ChemBioChem*, **2014**, 15, 1409-12	3.8	4
92	Valence Anions of DNA-Related Systems in the Gas Phase: Computational and Anion Photoelectron Spectroscopy Studies **2014**, 323-392		2
91	How to Find Out Whether a 5-Substituted Uracil Could Be a Potential DNA Radiosensitizer. *Journal of Physical Chemistry Letters*, **2013**, 4, 2853-2857	6.4	43
90	Presolvated low energy electron attachment to peptide methyl esters in aqueous solution: C-O bond cleavage at 77 K. *Journal of Physical Chemistry B*, **2013**, 117, 2872-7	3.4	9
89	Photoelectron spectroscopic and density functional theoretical studies of the 2Q-deoxycytidine homodimer radical anion. *Journal of Chemical Physics*, **2013**, 139, 075101	3.9	5
88	Electron-induced degradation of 8-bromo-2Q-deoxyadenosine 3Q,5Q-diphosphate, a DNA radiosensitizing nucleotide. *Journal of Physical Chemistry B*, **2013**, 117, 8681-8	3.4	22
87	UV-Induced Strand Breaks in Double-Stranded DNA Labeled with 5-Bromouracil: Frank or Secondary?. *Journal of Physical Chemistry Letters*, **2013**, 4, 4014-4018	6.4	13
86	Photoelectron spectroscopy and computational modeling of thymidine homodimer anions. *Journal of Physical Chemistry B*, **2012**, 116, 13975-81	3.4	3
85	Electron-induced elimination of the bromide anion from brominated nucleobases. A computational study. *Journal of Physical Chemistry B*, **2012**, 116, 5612-9	3.4	46
84	Fundamental mechanisms of DNA radiosensitization: damage induced by low-energy electrons in brominated oligonucleotide trimers. *Journal of Physical Chemistry B*, **2012**, 116, 9676-82	3.4	51
83	Photoelectron spectroscopy and density functional theory studies on the uridine homodimer radical anions. *Journal of Chemical Physics*, **2012**, 137, 205101	3.9	4

82	Electron stimulated desorption of anions from native and brominated single stranded oligonucleotide trimers. *Journal of Chemical Physics*, **2012**, 136, 075101	3.9	20
81	Single strand break in DNA coupled to the O-P bond cleavage. A computational study. *Journal of Physical Chemistry B*, **2011**, 115, 1911-7	3.4	22
80	PCR synthesis of double stranded DNA labeled with 5-bromouridine. A step towards finding a bromonucleoside for clinical trials. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 56, 671-7	3.5	10
79	Enzymatic synthesis of long double-stranded DNA labeled with haloderivatives of nucleobases in a precisely pre-determined sequence. *BMC Biochemistry*, **2011**, 12, 47	4.8	3
78	Theoretical studies on interactions between low energy electrons and protein-DNA fragments: valence anions of AT-amino acids side chain complexes. *Physical Chemistry Chemical Physics*, **2011**, 13, 19499-507	3.6	5
77	Radicals formed in N-acetylproline by electron attachment: electron spin resonance spectroscopy and computational studies. *Journal of Physical Chemistry B*, **2011**, 115, 14846-51	3.4	5
76	Local excitation of the 5-bromouracil chromophore in DNA. Computational and UV spectroscopic studies. *Journal of Physical Chemistry B*, **2011**, 115, 4532-7	3.4	8
75	Valence anions of N-acetylproline in the gas phase: computational and anion photoelectron spectroscopic studies. *Journal of Chemical Physics*, **2011**, 135, 114301	3.9	9
74	Photoelectron spectroscopic studies of 5-halouracil anions. *Journal of Chemical Physics*, **2011**, 134, 015101	3.9	8
73	Barrier-free proton transfer induced by electron attachment to the complexes between 1-methylcytosine and formic acid. *Molecular Physics*, **2010**, 108, 2621-2631	1.7	7
72	The anionic (9-methyladenine)-(1-methylthymine) base pair solvated by formic acid. A computational and photoelectron spectroscopy study. *Journal of Physical Chemistry B*, **2010**, 114, 11353-62	3.4	8
71	Unexpected photoproduct generated via the acetone-sensitized photolysis of 5-bromo-2′-deoxyuridine in a water/isopropanol solution: experimental and computational studies. *Journal of Physical Chemistry B*, **2010**, 114, 16902-7	3.4	1
70	Low-energy-barrier proton transfer induced by electron attachment to the guanine...cytosine base pair. *ChemPhysChem*, **2010**, 11, 880-8	3.2	30
69	Stability of the valence anion of cytosine is governed by nucleobases sequence in the double stranded DNA pi-stack: A computational study. *Journal of Chemical Physics*, **2009**, 131, 085103	3.9	11
68	Valence anions of 9-methylguanine-1-methylcytosine complexes. Computational and photoelectron spectroscopy studies. *Journal of the American Chemical Society*, **2009**, 131, 2663-9	16.4	32
67	Benign decay vs. photolysis in the photophysics and photochemistry of 5-bromouracil. A computational study. *Journal of Physical Chemistry A*, **2009**, 113, 5489-95	2.8	17
66	Barrier-free proton transfer in the valence anion of 2′-deoxyadenosine-5′-monophosphate. II. A computational study. *Journal of Chemical Physics*, **2008**, 128, 044315	3.9	20
65	Valence anion of thymine in the DNA pi-stack. *Journal of the American Chemical Society*, **2008**, 130, 15683-7	16.4	26

64	Stable Valence Anions of Nucleic Acid Bases and DNA Strand Breaks Induced by Low Energy Electrons. *Challenges and Advances in Computational Chemistry and Physics*, **2008**, 619-667	0.7	14
63	Calculation of quantum-mechanical descriptors for QSPR at the DFT level: is it necessary?. *Journal of Chemical Information and Modeling*, **2008**, 48, 1174-80	6.1	104
62	Valence anions in complexes of adenine and 9-methyladenine with formic acid: stabilization by intermolecular proton transfer. *Journal of the American Chemical Society*, **2007**, 129, 1216-24	16.4	37
61	Findings on the electron-attachment-induced abasic site in a DNA double helix. *Angewandte Chemie - International Edition*, **2007**, 46, 3479-81	16.4	26
60	Intermolecular proton transfer induced by excess electron attachment to adenine(formic acid)n (n=2, 3) hydrogen-bonded complexes. *Chemical Physics*, **2007**, 342, 215-222	2.3	20
59	Can an excess electron localize on a purine moiety in the adenine□thymine Watson□Crick base pair? A computational study. *International Journal of Quantum Chemistry*, **2007**, 107, 2224-2232	2.1	8
58	Photoelectron spectroscopy of adiabatically bound valence anions of rare tautomers of the nucleic acid bases. *Journal of Chemical Physics*, **2007**, 127, 174309	3.9	54
57	On the unusual stability of valence anions of thymine based on very rare tautomers: A computational study. *Journal of Physical Chemistry B*, **2006**, 110, 24696-707	3.4	41
56	TG-FTIR, DSC, and quantum-chemical studies on the thermal decomposition of quaternary ethylammonium halides. *Journal of Physical Chemistry A*, **2006**, 110, 5066-74	2.8	18
55	Effects of intra base-pairs flexibility on hole transfer coupling in DNA. *Chemical Physics Letters*, **2006**, 429, 546-550	2.5	34
54	TG-FTIR, DSC and quantum chemical studies of the thermal decomposition of quaternary methylammonium halides. *Chemical Physics*, **2006**, 324, 425-437	2.3	38
53	Effect of proton transfer on the electronic coupling in DNA. *Chemical Physics*, **2006**, 325, 567-574	2.3	24
52	Intermolecular proton transfer in anionic complexes of uracil with alcohols. *Journal of Physical Chemistry B*, **2005**, 109, 13383-91	3.4	55
51	Stabilization of very rare tautomers of uracil by an excess electron. *Physical Chemistry Chemical Physics*, **2005**, 7, 2116-25	3.6	72
50	AT base pair anions versus (9-methyl-A)(1-methyl-T) base pair anions. *Journal of the American Chemical Society*, **2005**, 127, 6443-50	16.4	82
49	Stabilization of very rare tautomers of 1-methylcytosine by an excess electron. *Journal of Physical Chemistry A*, **2005**, 109, 11495-503	2.8	32
48	Anion of the formic acid dimer as a model for intermolecular proton transfer induced by a pi* excess electron. *Journal of Chemical Physics*, **2005**, 122, 204304	3.9	23
47	Interaction with glycine increases stability of a mutagenic tautomer of uracil. A density functional theory study. *Journal of the American Chemical Society*, **2005**, 127, 2238-48	16.4	33

46	NMR and DFT investigations of the substituent and solvent effect on amino□mino tautomerism in acridin-9-amines substituted at the exocyclic nitrogen atom. *Journal of Physical Organic Chemistry*, **2005**, 18, 870-879	2.1	11
45	Barrier-free intermolecular proton transfer induced by excess electron attachment to the complex of alanine with uracil. *Journal of Chemical Physics*, **2004**, 120, 6064-71	3.9	52
44	Barrier-free proton transfer in anionic complex of thymine with glycine. *Physical Chemistry Chemical Physics*, **2004**, 6, 4351-4357	3.6	47
43	Excess Electron Attachment Induces Barrier-Free Proton Transfer in Anionic Complexes of Thymine and Uracil with Formic Acid. *Journal of Physical Chemistry B*, **2004**, 108, 6919-6921	3.4	44
42	Effect of Hydrogen Bonding on Barrier-Free Proton Transfer in Anionic Complexes of Uracil with Weak Acids: (U□HCN)□versus (U□H2S)□*Israel Journal of Chemistry*, **2004**, 44, 157-170	3.4	28
41	Consequences of proton transfer in guanidine. *Journal of Physical Organic Chemistry*, **2003**, 16, 91-106	2.1	95
40	The origin of luminescence accompanying electrochemical reduction or chemical decomposition of peroxydisulfates. *Journal of Luminescence*, **2003**, 105, 27-34	3.8	34
39	Excess Electron Attachment Induces Barrier-Free Proton Transfer in Binary Complexes of Uracil with H2Se and H2S but Not with H2O. *Journal of Physical Chemistry B*, **2003**, 107, 7889-7895	3.4	53
38	Dipole-bound and dispersion-bound anions supported by the asymmetric tautomers of aminophosphine: H3NPH and HNPH3. *Chemical Physics*, **2002**, 279, 101-110	2.3	6
37	The Effect of Pyrimidine Bases on the Hole-Transfer Coupling in DNA□*Journal of Physical Chemistry B*, **2002**, 106, 7919-7926	3.4	22
36	Computational Study of Hydrogen-Bonded Complexes between the Most Stable Tautomers of Glycine and Uracil. *Journal of Physical Chemistry A*, **2002**, 106, 7423-7433	2.8	47
35	Structure, Properties, Thermodynamics, and Isomerization Ability of 9-Acridinones. *Journal of Physical Chemistry A*, **2002**, 106, 3957-3963	2.8	12
34	An ab initio study of the betaine anion□dipole-bound anionic state of a model zwitterion system. *Journal of Chemical Physics*, **2001**, 114, 10673-10681	3.9	48
33	Infrared and Raman spectroscopy of 9-acridinones. *Vibrational Spectroscopy*, **2001**, 27, 139-152	2.1	6
32	Is 9-acridinamine anion a dispersion-bound anion?. *Journal of Chemical Physics*, **2001**, 115, 11193-11199	3.9	16
31	Low-energy tautomers and conformers of neutral and protonated arginine. *Journal of the American Chemical Society*, **2001**, 123, 11695-707	16.4	128
30	Quasidegeneracy of zwitterionic and canonical tautomers of arginine solvated by an excess electron. *Journal of the American Chemical Society*, **2001**, 123, 11073-4	16.4	61
29	Energetics of the splitting of pyrimidine photodimers induced by electron transfer to rhodium(III) complexes. A quantum chemical study. *International Journal of Quantum Chemistry*, **2000**, 77, 128-138	2.1	3

28	An ab initio study of (H3B<-NH3)− dipole-bound anion supported by the dative charge-transfer bond in the neutral host. *Journal of Chemical Physics*, **2000**, 113, 8961-8968	3.9	14
27	Preliminary Observations on the Dependence of Potential Energy Surfaces on Intramolecular Degrees of Freedom **2000**, 73-82		
26	IR–Raman, NMR and density functional methods in the examination of tautomerism and features of N-methyl substituted 9-acridinamine derivatives. *Journal of Molecular Structure*, **1999**, 476, 45-55	3.4	4
25	A cyclic intermediate of the splitting reaction of cyclobutane-type pyrimidine dimer cation radicals. A computational finding as challenge for experimental techniques. *Computational and Theoretical Chemistry*, **1999**, 488, 163-168		4
24	Toward an Understanding of the Chemiluminescence Accompanying the Reaction of 9-Carboxy-10-methylacridinium Phenyl Ester with Hydrogen Peroxide. *Journal of Organic Chemistry*, **1999**, 64, 3002-3008	4.2	55
23	Effect of Proton Transfer on the Anionic and Cationic Pathways of Pyrimidine Photodimer Cleavage. A Computational Study. *Journal of Physical Chemistry A*, **1999**, 103, 3569-3574	2.8	20
22	Splitting of Cyclobutane-Type Uracil Dimer Cation Radicals. Hartree–Fock, MP2, and Density Functional Studies. *Journal of Physical Chemistry A*, **1998**, 102, 7168-7175	2.8	21
21	X-Ray, Quantum Mechanics and Density Functional Methods in the Examination of Structure and Tautomerism of N-Methyl-Substituted Acridin-9-amine Derivatives. *Australian Journal of Chemistry*, **1998**, 51, 643	1.2	5
20	The effect of two- and three-body interactions in ArnCO2 (n=1,2) on the asymmetric stretching CO2 coordinate: An ab initio study. *Journal of Chemical Physics*, **1997**, 106, 10215-10221	3.9	20
19	Origins and modeling of many-body exchange effects in van der Waals clusters. *Journal of Chemical Physics*, **1997**, 106, 3301-3310	3.9	20
18	Hartree–Fock and Density Functional Methods and IR and NMR Spectroscopies in the Examination of Tautomerism and Features of Neutral 9-Acridinamine in Gaseous and Condensed Media. *Journal of Physical Chemistry A*, **1997**, 101, 283-292	2.8	38
17	Theoretical Studies on the Effect of the Medium on Tautomeric Phenomena in Neutral and Protonated Acridin-9-amine. Mechanism of Tautomerization in Neutral Entities. *Australian Journal of Chemistry*, **1997**, 50, 97	1.2	10
16	Properties of Closed-Shell, Octahedral, Multiply-Charged Hexafluorometallates MF63-, M = Sc, Y, La, ZrF62-, and TaF6-. *Journal of the American Chemical Society*, **1996**, 118, 1173-1180	16.4	55
15	Crystal Structure of 9(10-Methyl)- Acridinimine Hydriodide. Lattice Energetics of this Compound and Halide Salts of Nitrogen Organic Bases. *Molecular Crystals and Liquid Crystals*, **1996**, 276, 91-104		4
14	The Transformation Mechanism of 3,4,6-Tri-O-acetyl-1,5-anhydro-2-deoxy-D-arabino-hex-1-enitol in Water. *Journal of Organic Chemistry*, **1996**, 61, 2988-2994	4.2	10
13	Theoretical Studies on the Structure, Stability, Ability To Undergo Internal Transformations, and Tautomerization, as Well as Reactivity, of H2PPH2 and HPPH3 Molecules. *Journal of the American Chemical Society*, **1995**, 117, 2638-2648	16.4	20
12	Thermal features and thermochemistry of hexachlorozirconates of aliphatic and aromatic mono-amines–stability of hexahalogenozirconates. *Journal of Alloys and Compounds*, **1995**, 224, 1-13	5.7	4
11	CGC, MS and theoretical studies on the transformation mechanism of 3,4-di-O-acetyl-1,5-anhydro-2-deoxy-D-threo-pent-1-enitol in aqueous solutions. *Journal of the Chemical Society Perkin Transactions II*, **1995**, 569-575		3

10	Theoretical Studies on the Geometry, Thermochemistry, Vibrational Spectroscopy, and Charge Distribution in TiX62- (X = F, Cl, Br, I). Coulombic Energy in hexahalogenotitanate Lattices. *The Journal of Physical Chemistry*, **1994**, 98, 6280-6286		8
9	Theoretical studies on structure, thermochemistry, vibrational spectroscopy, and other features of ZrX2 (X=F,Cl,Br,I): Coulombic energy in inorganic and organic hexahalogenozirconates. *Journal of Chemical Physics*, **1994**, 100, 5810-5820	3.9	17
8	Thermochemistry, lattice energetics and stability of hexahalogenohafnates. *Journal of Alloys and Compounds*, **1994**, 210, 63-70	5.7	5
7	Theoretical Studies on the Structure, Thermochemistry, Vibrational Spectroscopy, and Other Features of HfX62- (X = F, Cl, Br, I). Electrostatic Energy in Hexahalogenohafnates. *Inorganic Chemistry*, **1994**, 33, 6187-6193	5.1	12
6	Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases. *Thermochimica Acta*, **1993**, 230, 269-292	2.9	9
5	Theoretical studies on the prototropic tautomerism, structure, and features of acridine and 9-acridinamine free bases and their protonated forms. *Journal of Organic Chemistry*, **1992**, 57, 3720-3725	4.2	24
4	Absorption and luminescence spectroscopic analysis of tautomeric forms of protonatedN,N-dimethyl-N?(1-nitro-9-acridinyl)-1,3-propanediamine (nitracrine) and its nitro isomers in poly(vinyl alcohol) films. *Journal of Fluorescence*, **1991**, 1, 57-68	2.4	2
3	Thermal properties, crystal lattice energy, mechanism and energetics of the thermal decomposition of hydrochlorides of 2-amino acid esters. *Thermochimica Acta*, **1990**, 171, 253-277	2.9	3
2	Prototropic tautomerism in N,N-dimethyl-N?-(1-nitro-9-acridyl)propane-1,3-diamine and its nitro isomers. Application of MNDO and PPP methods for the examination of structure and electronic absorption spectra. *Journal of the Chemical Society Perkin Transactions II*, **1990**, 1501-1508		6
1	Theoretical Approach in Explanation of Energy Donor Properties of 1,4-Dioxane and 1,4-Dioxane-Water Complexes. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences* , **1988**, 43, 621-626	1.4	