Janusz Rak

List of Publications by Year in descending order

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144 papers	2,956 citations	147801 31 h-index	223800 46 g-index
145 all docs	145 docs citations	145 times ranked	1930 citing authors

#	Article	IF	Citations
1	DNA Damage Radiosensitizers Geared Towards Hydrated Electrons. , 2022, , 125-169.		3
2	Influence of Hypoxia on Radiosensitization of Cancer Cells by 5-Bromo-2â€²-deoxyuridine. International Journal of Molecular Sciences, 2022, 23, 1429.	4.1	6
3	Development of Sulfamoylated 4-(1-Phenyl-1H-1,2,3-triazol-4-yl)phenol Derivatives as Potent Steroid Sulfatase Inhibitors for Efficient Treatment of Breast Cancer. Journal of Medicinal Chemistry, 2022, 65, 5044-5056.	6.4	8
4	Guanosine Dianions Hydrated by One to Four Water Molecules. Journal of Physical Chemistry Letters, 2022, , 3230-3236.	4.6	4
5	Inactive-to-Active Transition of Human Thymidine Kinase 1 Revealed by Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2022, 62, 142-149.	5.4	4
6	Radiosensitization of PC3 Prostate Cancer Cells by 5-Thiocyanato-2â€²-deoxyuridine. Cancers, 2022, 14, 2035.	3.7	4
7	Low-Energy Electron Induced Reactions in Metronidazole at Different Solvation Conditions. Pharmaceuticals, 2022, 15, 701.	3.8	5
8	Electron-Induced Decomposition of Uracil-5-yl O-(N,N-dimethylsulfamate): Role of Methylation in Molecular Stability. International Journal of Molecular Sciences, 2021, 22, 2344.	4.1	8
9	2,6-diaminopurine promotes repair of DNA lesions under prebiotic conditions. Nature Communications, 2021, 12, 3018.	12.8	24
10	Electrophilic Properties of 2â€²-DeoxyadenosineÂ·Â·Â·Thymine Dimer: Photoelectron Spectroscopy and DFT Studies. Journal of Physical Chemistry A, 2021, 125, 6591-6599.	2.5	0
11	Photoelectron Spectroscopy and Theoretical Investigations of Gaseous Doubly Deprotonated 2â€²-Deoxynucleoside 5â€²-Monophosphate Dianions. Journal of Physical Chemistry Letters, 2021, 12, 9463-9469.	4.6	5
12	5-(N-Trifluoromethylcarboxy)aminouracil as a Potential DNA Radiosensitizer and Its Radiochemical Conversion into N-Uracil-5-yloxamic Acid. International Journal of Molecular Sciences, 2020, 21, 6352.	4.1	5
13	The Product of Matrix Metalloproteinase Cleavage of Doxorubicin Conjugate for Anticancer Drug Delivery: Calorimetric, Spectroscopic, and Molecular Dynamics Studies on Peptideâ€“Doxorubicin Binding to DNA. International Journal of Molecular Sciences, 2020, 21, 6923.	4.1	7
14	Theoretical and Experimental Studies on the Visible Light Activity of TiO2 Modified with Halide-Based Ionic Liquids. Catalysts, 2020, 10, 371.	3.5	6
15	Uracil-5-yl O-Sulfamate: An Illusive Radiosensitizer. Pitfalls in Modeling the Radiosensitizing Derivatives of Nucleobases. Journal of Physical Chemistry B, 2020, 124, 5600-5613.	2.6	13
16	Modifications at the C(5) position of pyrimidine nucleosides. Russian Chemical Reviews, 2020, 89, 281-310.	6.5	9
17	Design, synthesis and biological evaluation of betulin-3-yl 2-amino-2-deoxy-Î²-d-glycopyranosides. Bioorganic Chemistry, 2020, 96, 103568.	4.1	14
18	Why Does the Type of Halogen Atom Matter for Radiosensitizing Properties of 5-Substituted 4-Thio-2â€²-Deoxyuridines?. Proceedings (mdpi), 2019, 22, .	0.2	0

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19	Cytotoxicity of doxorubicin conjugated with C60 fullerene. Structural and in vitro studies. Structural Chemistry, 2019, 30, 2327-2338.	2.0	10
20	Why Does the Type of Halogen Atom Matter for the Radiosensitizing Properties of 5-Halogen Substituted 4-Thio-2â€²-Deoxyuridines?. Molecules, 2019, 24, 2819.	3.8	10
21	Electron-Induced Dissociation of the Potential Radiosensitizer 5-Selenocyanato-2â€²-deoxyuridine. Journal of Physical Chemistry B, 2019, 123, 1274-1282.	2.6	22
22	Photoinduced electron transfer in 5-bromouracil labeled DNA. A contrathermodynamic mechanism revisited by electron transfer theories. Physical Chemistry Chemical Physics, 2019, 21, 4387-4393.	2.8	9
23	5-Iodo-4-thio-2â€²-Deoxyuridine as a Sensitizer of X-ray Induced Cancer Cell Killing. International Journal of Molecular Sciences, 2019, 20, 1308.	4.1	13
24	Molecular features of thymidine analogues governing the activity of human thymidine kinase. Structural Chemistry, 2018, 29, 1367-1374.	2.0	10
25	5-Selenocyanato and 5-trifluoromethanesulfonyl derivatives of 2â€²-deoxyuridine: synthesis, radiation and computational chemistry as well as cytotoxicity. RSC Advances, 2018, 8, 21378-21388.	3.6	16
26	Chemicallyâ€“enzymatic synthesis of photosensitive DNA. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 228-235.	3.8	4
27	Consequences of Electron Attachment to Modified Nucleosides Incorporated into DNA. , 2017, , 1895-1916.		0
28	UV-induced electron transfer between triethylamine and 5-bromo-2â€²-deoxyuridine. A puzzle concerning the photochemical debromination of labeled DNA. Journal of Pharmaceutical and Biomedical Analysis, 2017, 142, 262-269.	2.8	3
29	5-Selenocyanatouracil: A Potential Hypoxic Radiosensitizer. Electron Attachment Induced Formation of Selenium Centered Radical. Journal of Physical Chemistry B, 2017, 121, 6139-6147.	2.6	22
30	The Sequence Dependence of Photoinduced Single Strand Break in 5-Bromo-2â€²-deoxyuridine Labeled DNA Supports That Electron Transfer Is Responsible for the Damage. Journal of Physical Chemistry B, 2017, 121, 9169-9174.	2.6	2
31	Visibleâ€Light Photocatalytic Activity of Ionic Liquid TiO₂ Spheres: Effect of the Ionic Liquid's Anion Structure. ChemCatChem, 2017, 9, 4377-4388.	3.7	21
32	Dominant Pathways of Adenosyl Radical-Induced DNA Damage Revealed by QM/MM Metadynamics. Journal of Chemical Theory and Computation, 2017, 13, 6415-6423.	5.3	6
33	Excess Electron Attachment to the Nucleoside Pair 2â€²-Deoxyadenosine (dA)â€“2â€²-Deoxythymidine (dT). Journal of Physical Chemistry B, 2016, 120, 4955-4962.	2.6	4
34	Radiation damage to single stranded oligonucleotide trimers labelled with 5-iodopyrimidines. Organic and Biomolecular Chemistry, 2016, 14, 9331-9337.	2.8	11
35	5-Bromo-2â€²-deoxycytidineâ€”a potential DNA photosensitizer. Organic and Biomolecular Chemistry, 2016, 14, 9312-9321.	2.8	13
36	Quantitative assay of photoinduced DNA strand breaks by real-time PCR. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 480-484.	2.8	4

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37	Electrophilic 5â€Substituted Uracils as Potential Radiosensitizers: A Density Functional Theory Study. ChemPhysChem, 2016, 17, 2572-2578.	2.1	20
38	Reactivity Pattern of Bromonucleosides Induced by 2-Hydroxypropyl Radicals: Photochemical, Radiation Chemical, and Computational Studies. Journal of Physical Chemistry B, 2015, 119, 6545-6554.	2.6	2
39	Mechanisms of Damage to DNA Labeled with Electrophilic Nucleobases Induced by Ionizing or UV Radiation. Journal of Physical Chemistry B, 2015, 119, 8227-8238.	2.6	73
40	5-Thiocyanato-2â€²-deoxyuridine as a possible radiosensitizer: electron-induced formation of uracil-C5-thiyl radical and its dimerization. Physical Chemistry Chemical Physics, 2015, 17, 16907-16916.	2.8	29
41	Consequences of Electron Attachment to Modified Nucleosides Incorporated into DNA. , 2015, , 1-22.		1
42	Electron-induced single strand break in the nucleotide of 5- and 6-bromouridine. A DFT study. Chemical Physics Letters, 2014, 612, 289-294.	2.6	14
43	An ESR and DFT study of hydration of the 2â€²-deoxyuridine-5-yl radical: a possible hydroxyl radical intermediate. Chemical Communications, 2014, 50, 14605-14608.	4.1	15
44	Artificial Plasmid Labeled with 5â€Bromoâ€2â€²â€deoxyuridine: A Universal Molecular System for Strand Break Detection. ChemBioChem, 2014, 15, 1409-1412.	2.6	4
45	Valence Anions of DNA-Related Systems in the Gas Phase: Computational and Anion Photoelectron Spectroscopy Studies. , 2014, , 323-392.		2
46	The radiosensitivity of 5- and 6-bromocytidine derivatives â€“ electron induced DNA degradation. Physical Chemistry Chemical Physics, 2014, 16, 19424.	2.8	11
47	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, 6568-6574.	2.8	17
48	Photoinduced Single Strand Breaks and Intrastrand Cross-Links in an Oligonucleotide Labeled with 5-Bromouracil. Journal of Physical Chemistry B, 2014, 118, 5009-5016.	2.6	17
49	DHPLC and MS studies of a photoinduced intrastrand cross-link in DNA labeled with 5-bromo-2â€²-deoxyuridine. Journal of Photochemistry and Photobiology B: Biology, 2014, 130, 86-92.	3.8	4
50	A first-principles study of electron attachment to the fully hydrated bromonucleobases. Chemical Physics Letters, 2014, 595-596, 133-137.	2.6	32
51	How to Find Out Whether a 5-Substituted Uracil Could Be a Potential DNA Radiosensitizer. Journal of Physical Chemistry Letters, 2013, 4, 2853-2857.	4.6	59
52	Presolvated Low Energy Electron Attachment to Peptide Methyl Esters in Aqueous Solution: Câ€“O Bond Cleavage at 77 K. Journal of Physical Chemistry B, 2013, 117, 2872-2877.	2.6	9
53	Photoelectron spectroscopic and density functional theoretical studies of the 2â€²-deoxycytidine homodimer radical anion. Journal of Chemical Physics, 2013, 139, 075101.	3.0	5
54	Electron-Induced Degradation of 8-Bromo-2â€²-deoxyadenosine 3â€²,5â€²-Diphosphate, a DNA Radiosensitizing Nucleotide. Journal of Physical Chemistry B, 2013, 117, 8681-8688.	2.6	23

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55	UV-Induced Strand Breaks in Double-Stranded DNA Labeled with 5-Bromouracil: Frank or Secondary?. Journal of Physical Chemistry Letters, 2013, 4, 4014-4018.	4.6	13
56	Photoelectron spectroscopy and density functional theory studies on the uridine homodimer radical anions. Journal of Chemical Physics, 2012, 137, 205101.	3.0	4
57	Electron stimulated desorption of anions from native and brominated single stranded oligonucleotide trimers. Journal of Chemical Physics, 2012, 136, 075101.	3.0	22
58	Photoelectron Spectroscopy and Computational Modeling of Thymidine Homodimer Anions. Journal of Physical Chemistry B, 2012, 116, 13975-13981.	2.6	3
59	Electron-Induced Elimination of the Bromide Anion from Brominated Nucleobases. A Computational Study. Journal of Physical Chemistry B, 2012, 116, 5612-5619.	2.6	52
60	Fundamental Mechanisms of DNA Radiosensitization: Damage Induced by Low-Energy Electrons in Brominated Oligonucleotide Trimers. Journal of Physical Chemistry B, 2012, 116, 9676-9682.	2.6	57
61	Theoretical studies on interactions between low energy electrons and proteinâ€“DNA fragments: valence anions of AT-amino acids side chain complexes. Physical Chemistry Chemical Physics, 2011, 13, 19499.	2.8	5
62	Radicals Formed inN-Acetylproline by Electron Attachment: Electron Spin Resonance Spectroscopy and Computational Studies. Journal of Physical Chemistry B, 2011, 115, 14846-14851.	2.6	6
63	Local Excitation of the 5-Bromouracil Chromophore in DNA. Computational and UV Spectroscopic Studies. Journal of Physical Chemistry B, 2011, 115, 4532-4537.	2.6	8
64	Single Strand Break in DNA Coupled to the Oâ€”P Bond Cleavage. A Computational Study. Journal of Physical Chemistry B, 2011, 115, 1911-1917.	2.6	23
65	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, 671-677.	2.8	12
66	Enzymatic synthesis of long double-stranded DNA labeled with haloderivatives of nucleobases in a precisely pre-determined sequence. BMC Biochemistry, 2011, 12, 47.	4.4	3
67	Valence anions of N-acetylproline in the gas phase: Computational and anion photoelectron spectroscopic studies. Journal of Chemical Physics, 2011, 135, 114301.	3.0	9
68	Photoelectron spectroscopic studies of 5-halouracil anions. Journal of Chemical Physics, 2011, 134, 015101.	3.0	9
69	Lowâ€Energyâ€Barrier Proton Transfer Induced by Electron Attachment to the Guanineâ‹…â‹…â‹…Cytosine Base Pair. ChemPhysChem, 2010, 11, 880-888.	2.1	31
70	Barrier-free proton transfer induced by electron attachment to the complexes between 1â€methylcytosine and formic acid. Molecular Physics, 2010, 108, 2621-2631.	1.7	7
71	The Anionic (9-Methyladenine)â¯(1-Methylthymine) Base Pair Solvated by Formic Acid. A Computational and Photoelectron Spectroscopy Study. Journal of Physical Chemistry B, 2010, 114, 11353-11362.	2.6	8
72	Unexpected Photoproduct Generated via the Acetone-Sensitized Photolysis of 5-Bromo-2â€²-deoxyuridine in a Water/Isopropanol Solution: Experimental and Computational Studies. Journal of Physical Chemistry B, 2010, 114, 16902-16907.	2.6	2

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73	Stability of the valence anion of cytosine is governed by nucleobases sequence in the double stranded DNA Ï€-stack: A computational study. Journal of Chemical Physics, 2009, 131, 085103.	3.0	11
74	Valence Anions of 9-Methylguanineâ"1-Methylcytosine Complexes. Computational and Photoelectron Spectroscopy Studies. Journal of the American Chemical Society, 2009, 131, 2663-2669.	13.7	33
75	Benign Decay vs. Photolysis in the Photophysics and Photochemistry of 5-Bromouracil. A Computational Study. Journal of Physical Chemistry A, 2009, 113, 5489-5495.	2.5	19
76	Calculation of Quantum-Mechanical Descriptors for QSPR at the DFT Level: Is It Necessary?. Journal of Chemical Information and Modeling, 2008, 48, 1174-1180.	5.4	110
77	Barrier-free proton transfer in the valence anion of 2â€²-deoxyadenosine-5â€²-monophosphate. II. A computational study. Journal of Chemical Physics, 2008, 128, 044315.	3.0	21
78	Valence Anion of Thymine in the DNA Ï€-Stack. Journal of the American Chemical Society, 2008, 130, 15683-15687.	13.7	26
79	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.	0.6	15
80	Photoelectron spectroscopy of adiabatically bound valence anions of rare tautomers of the nucleic acid bases. Journal of Chemical Physics, 2007, 127, 174309.	3.0	59
81	Valence Anions in Complexes of Adenine and 9-Methyladenine with Formic Acid:Â Stabilization by Intermolecular Proton Transfer. Journal of the American Chemical Society, 2007, 129, 1216-1224.	13.7	37
82	Benign and Degrading Excited-State Processes of DNA Nucleobases and their Derivatives. AIP Conference Proceedings, 2007, , .	0.4	0
83	Findings on the Electron-Attachment-Induced Abasic Site in a DNA Double Helix. Angewandte Chemie - International Edition, 2007, 46, 3479-3481.	13.8	27
84	Intermolecular proton transfer induced by excess electron attachment to adenine(formic acid)n (n=2,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	20
85	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.	2.0	8
86	On the Unusual Stability of Valence Anions of Thymine Based on Very Rare Tautomers:Â A Computational Study. Journal of Physical Chemistry B, 2006, 110, 24696-24707.	2.6	44
87	TG-FTIR, DSC, and Quantum-Chemical Studies on the Thermal Decomposition of Quaternary Ethylammonium Halides. Journal of Physical Chemistry A, 2006, 110, 5066-5074.	2.5	19
88	Effects of intra base-pairs flexibility on hole transfer coupling in DNA. Chemical Physics Letters, 2006, 429, 546-550.	2.6	35
89	TG-FTIR, DSC and quantum chemical studies of the thermal decomposition of quaternary methylammonium halides. Chemical Physics, 2006, 324, 425-437.	1.9	40
90	Effect of proton transfer on the electronic coupling in DNA. Chemical Physics, 2006, 325, 567-574.	1.9	26

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91	NMR and DFT investigations of the substituent and solvent effect on amino-imino tautomerism in acridin-9-amines substituted at the exocyclic nitrogen atom. Journal of Physical Organic Chemistry, 2005, 18, 870-879.	1.9	12
92	Intermolecular Proton Transfer in Anionic Complexes of Uracil with Alcohols. Journal of Physical Chemistry B, 2005, 109, 13383-13391.	2.6	55
93	Stabilization of very rare tautomers of uracil by an excess electron. Physical Chemistry Chemical Physics, 2005, 7, 2116.	2.8	73
94	AT Base Pair Anions versus (9-Methyl-A)(1-Methyl-T) Base Pair Anions. Journal of the American Chemical Society, 2005, 127, 6443-6450.	13.7	84
95	Stabilization of Very Rare Tautomers of 1-Methylcytosine by an Excess Electronâ€. Journal of Physical Chemistry A, 2005, 109, 11495-11503.	2.5	32
96	Anion of the formic acid dimer as a model for intermolecular proton transfer induced by a Ï€* excess electron. Journal of Chemical Physics, 2005, 122, 204304.	3.0	23
97	Interaction with Glycine Increases Stability of a Mutagenic Tautomer of Uracil. A Density Functional Theory Study. Journal of the American Chemical Society, 2005, 127, 2238-2248.	13.7	34
98	Barrier-free intermolecular proton transfer induced by excess electron attachment to the complex of alanine with uracil. Journal of Chemical Physics, 2004, 120, 6064-6071.	3.0	55
99	Barrier-free proton transfer in anionic complex of thymine with glycine. Physical Chemistry Chemical Physics, 2004, 6, 4351-4357.	2.8	49
100	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.	2.6	44
101	Effect of Hydrogen Bonding on Barrier-Free Proton Transfer in Anionic Complexes of Uracil with Weak Acids: (Uâ€¦HCN)â^versus (Uâ€¦H2S)â^. Israel Journal of Chemistry, 2004, 44, 157-170.	2.3	28
102	Consequences of Proton Transfer in Guanidine. ChemInform, 2003, 34, no.	0.0	0
103	Consequences of proton transfer in guanidine. Journal of Physical Organic Chemistry, 2003, 16, 91-106.	1.9	109
104	The origin of luminescence accompanying electrochemical reduction or chemical decomposition of peroxydisulfates. Journal of Luminescence, 2003, 105, 27-34.	3.1	44
105	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.	2.6	53
106	The Effect of Pyrimidine Bases on the Hole-Transfer Coupling in DNAâ€. Journal of Physical Chemistry B, 2002, 106, 7919-7926.	2.6	24
107	Computational Study of Hydrogen-Bonded Complexes between the Most Stable Tautomers of Glycine and Uracil. Journal of Physical Chemistry A, 2002, 106, 7423-7433.	2.5	49
108	Structure, Properties, Thermodynamics, and Isomerization Ability of 9-Acridinones. Journal of Physical Chemistry A, 2002, 106, 3957-3963.	2.5	14

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109	Dipole-bound and dispersion-bound anions supported by the asymmetric tautomers of aminophosphine: H3NPH and HNPH3. Chemical Physics, 2002, 279, 101-110.	1.9	7
110	Low-Energy Tautomers and Conformers of Neutral and Protonated Arginine. Journal of the American Chemical Society, 2001, 123, 11695-11707.	13.7	133
111	Quasidegeneracy of Zwitterionic and Canonical Tautomers of Arginine Solvated by an Excess Electron. Journal of the American Chemical Society, 2001, 123, 11073-11074.	13.7	64
112	Anab initiostudy of the betaine anionâ€“dipole-bound anionic state of a model zwitterion system. Journal of Chemical Physics, 2001, 114, 10673-10681.	3.0	49
113	Infrared and Raman spectroscopy of 9-acridinones. Vibrational Spectroscopy, 2001, 27, 139-152.	2.2	7
114	Is 9-acridinamine anion a dispersion-bound anion?. Journal of Chemical Physics, 2001, 115, 11193-11199.	3.0	18
115	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.	2.0	4
116	Anab initiostudy of (H3Bâ†NH3)â^'â€"a dipole-bound anion supported by the dative charge-transfer bond in the neutral host. Journal of Chemical Physics, 2000, 113, 8961-8968.	3.0	14
117	Preliminary Observations on the Dependence of Potential Energy Surfaces on Intramolecular Degrees of Freedom. , 2000, , 73-82.		0
118	IRâ€"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.	3.6	4
119	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.	1.5	4
120	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.	3.2	67
121	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.	2.5	21
122	Splitting of Cyclobutane-Type Uracil Dimer Cation Radicals. Hartreeâ^'Fock, MP2, and Density Functional Studies. Journal of Physical Chemistry A, 1998, 102, 7168-7175.	2.5	21
123	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.	0.9	5
124	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.	3.0	22
125	Origins and modeling of many-body exchange effects in van der Waals clusters. Journal of Chemical Physics, 1997, 106, 3301-3310.	3.0	20
126	Hartreeâ^'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.	2.5	39

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127	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.	0.9	10
128	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.	13.7	59
129	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.	0.3	7
130	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.	3.2	10
131	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.	13.7	23
132	Thermal features and thermochemistry of hexachlorozirconates of aliphatic and aromatic mono-aminesâ€"stability of hexahalogenozirconates. Journal of Alloys and Compounds, 1995, 224, 1-13.	5.5	4
133	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.	0.9	3
134	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.	2.9	8
135	Theoretical studies on structure, thermochemistry, vibrational spectroscopy, and other features of ZrX2â^'6(X=F,Cl,Br,I): Coulombic energy in inorganic and organic hexahalogenozirconates. Journal of Chemical Physics, 1994, 100, 5810-5820.	3.0	18
136	Thermochemistry, lattice energetics and stability of hexahalogenohafnates. Journal of Alloys and Compounds, 1994, 210, 63-70.	5.5	5
137	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.	4.0	13
138	Thermal behaviour and thermochemistry of hexachlorozirconates of mononitrogen aromatic bases. Thermochimica Acta, 1993, 230, 269-292.	2.7	9
139	Studies on nitracrine and its nitro isomers devoted to tautomeric phenomena, structural and physicochemical features, as well as surrounding electrostatic potential. Canadian Journal of Chemistry, 1993, 71, 1106-1122.	1.1	1
140	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.	3.2	25
141	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.	2.5	2
142	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.	2.7	3
143	Prototropic tautomerism in N,N-dimethyl-Nâ€²-(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.	0.9	8
144	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.	1.5	0