Milan Remko

List of Publications by Year in descending order

37 papers	1,001 citations	471509 17 h-index	434195 31 g-index
37 all docs	37 docs citations	37 times ranked	1323 citing authors

#	Article	IF	Citations
1	Effect of Metal Ions (Li+, Na+, K+, Mg2+, Ca2+, Ni2+, Cu2+, and Zn2+) and Water Coordination on the Structure of Glycine and Zwitterionic Glycine. Journal of Physical Chemistry A, 2006, 110, 1960-1967.	2.5	140
2	Theoretical study of structure, pKa, lipophilicity, solubility, absorption, and polar surface area of some centrally acting antihypertensives. Bioorganic and Medicinal Chemistry, 2006, 14, 1715-1728.	3.0	80
3	Theoretical study of gas-phase acidity, pKa, lipophilicity, and solubility of some biologically active sulfonamides. Bioorganic and Medicinal Chemistry, 2004, 12, 5395-5403.	3.0	70
4	Theoretical study of molecular structure, pKa, lipophilicity, solubility, absorption, and polar surface area of some hypoglycemic agents. Computational and Theoretical Chemistry, 2009, 897, 73-82.	1.5	69
5	Effect of metal Ions (Ni2+, Cu2+ and Zn2+) and water coordination on the structure of L-phenylalanine, L-tyrosine, L-tryptophan and their zwitterionic forms. Journal of Molecular Modeling, 2011, 17, 3117-3128.	1.8	62
6	Effect of metal ions (Li+, Na+, K+, Mg2+, Ca2+, Ni2+, Cu2+ and Zn2+) and water coordination on the structure and properties of l-histidine and zwitterionic l-histidine. Amino Acids, 2010, 39, 1309-1319.	2.7	60
7	Molecular structure, pKa, lipophilicity, solubility, absorption, polar surface area, and blood brain barrier penetration of some antiangiogenic agents. Structural Chemistry, 2011, 22, 635-648.	2.0	48
8	Reactions of H2XXH2and H2XO Double Bonds (X = Si, Ge, Sn, Pb):Â Are 1,3-Dioxa-2,4-dimetaletanes Unusual Molecules?. Inorganic Chemistry, 1997, 36, 4241-4246.	4.0	42
9	Effect of Metal Ions (Li⁺, Na⁺, K⁺, Mg²⁺,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T on the Structure and Properties of <scp>l</scp>-Arginine and Zwitterionic <scp>l</scp>-Arginine. Journal of Physical Chemistry A, 2008, 112, 7652-7661.	2.5	41
10	Molecular structure, pKa, lipophilicity, solubility and absorption of biologically active aromatic and heterocyclic sulfonamides. Computational and Theoretical Chemistry, 2010, 944, 34-42.	1.5	36
11	Theoretical Study of Molecular Structure, Tautomerism, and Geometrical Isomerism of Moxonidine:â€‰ Two-Layered ONIOM Calculations. Journal of Physical Chemistry A, 2001, 105, 6926-6931.	2.5	32
12	Catalyzed Peptide Bond Formation in the Gas Phase. Role of Bivalent Cations and Water in Formation of 2-Aminoacetamide from Ammonia and Glycine and in Dimerization of Glycine. Structural Chemistry, 2004, 15, 223-232.	2.0	30
13	A Comparative Study of Molecular Structure, pKa, Lipophilicity, Solubility, Absorption and Polar Surface Area of Some Antiplatelet Drugs. International Journal of Molecular Sciences, 2016, 17, 388.	4.1	26
14	Gas-Phase and Solution Conformations of the Î±-L-Iduronic Acid Structural Unit of Heparin. Journal of Chemical Information and Modeling, 2006, 46, 1194-1200.	5.4	23
15	Title is missing!. Structural Chemistry, 2003, 14, 271-278.	2.0	22
16	The experimental and theoretical landscape of a new antiplatelet drug ticagrelor: Insight into supramolecular architecture directed by C Hâ‹¯F, Ï€â‹¯Ï€ and C Hâ‹¯Ï€ interactions. Journal of Molecular Structure, 2018, 1154, 290-300.	3.6	21
17	Thermodynamics of binding of Zn2+to carbonic anhydrase inhibitors. Molecular Physics, 2003, 101, 2357-2368.	1.7	19
18	Captopril and its dimer captopril disulfide: comparative structural and conformational studies. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 199-203.	0.5	15

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19	Conformational Structure of Some Trimeric and Pentameric Structural Units of Heparin. Journal of Physical Chemistry A, 2007, 111, 13484-13491.	2.5	14
20	Effect of water coordination on competition between Ï€ and non-Ï€ cation binding sites in aromatic amino acids: l-phenylalanine, l-tyrosine, and l-tryptophan Li+, Na+, and K+ complexes. Journal of Biological Inorganic Chemistry, 2012, 17, 621-630.	2.6	14
21	A comparative study of the molecular structure, lipophilicity, solubility, acidity, absorption and polar surface area of coumarinic anticoagulants and direct thrombin inhibitors. RSC Advances, 2014, 4, 8072-8084.	3.6	14
22	Theoretical Study of Molecular Structure and Physicochemical Properties of Novel Factor Xa Inhibitors and Dual Factor Xa and Factor IIa Inhibitors. Molecules, 2016, 21, 185.	3.8	14
23	Gas-Phase and Solution Conformations of Selected Dimeric Structural Units of Heparin. Journal of Chemical Information and Modeling, 2006, 46, 1687-1694.	5.4	13
24	Effect of metal ions (Li+, Na+, K+, Mg2+ and Ca2+) and water on the conformational changes of glycosidic bonds in heparin oligosaccharides. RSC Advances, 2013, 3, 9843.	3.6	13
25	Conformational Behavior of Basic Monomeric Building Units of Glycosaminoglycans:Â Isolated Systems and Solvent Effect. Journal of Physical Chemistry B, 2007, 111, 2313-2321.	2.6	12
26	Molecular structure of basic oligomeric building units of heparan-sulfate glycosaminoglycans. Structural Chemistry, 2010, 21, 965-976.	2.0	11
27	Thermodynamic stability of carbonyl and silacarbonyl anions Râ€“M-2CO [M=C, Si, R=H, F, Cl, OH, NH2, CH3, N(H)OH]. A comparative ab initio study. Physical Chemistry Chemical Physics, 2000, 2, 1113-1116.	2.8	10
28	Molecular structure and stability of perindopril erbumine and perindopril l-arginine complexes. European Journal of Medicinal Chemistry, 2009, 44, 101-108.	5.5	10
29	Theoretical study of structure and properties of hexuronic acid and d-glucosamine structural units of glycosaminoglycans. Structural Chemistry, 2007, 18, 537-547.	2.0	9
30	Theoretical Study of Molecular Structure, Reactivity, Lipophilicity, and Solubility of N-Hydroxyurea, N-Hydroxythiourea, and N-Hydroxysilaurea. Structural Chemistry, 2004, 15, 285-294.	2.0	8
31	Theoretical Study of Gas-Phase Acidities of Selected Angiotensin-Converting Enzyme Inhibitors. Structural Chemistry, 2005, 16, 391-399.	2.0	7
32	Structure and stability of complexes of charged structural units of heparin with arginine and lysine. RSC Advances, 2013, 3, 1789-1796.	3.6	7
33	Quantum-Chemical Study of Phenylcarbamates with Local Anesthetic Activity. Archiv Der Pharmazie, 1984, 317, 45-53.	4.1	4
34	How strong are Ca2+â€“heparin and Zn2+â€“heparin interactions?. Chemical Physics Letters, 2015, 621, 12-17.	2.6	3
35	Acidity and metal (Mg 2+ , Ca 2+ , Zn 2+) affinity of l -Î³-carboxyglutamic acid and its peptide analog. Chemical Physics Letters, 2014, 614, 214-219.	2.6	1
36	Modelling of absorption, distribution and physicochemical properties of AT1 receptor antagonists / Modelovanie absorpcie, distribÃºcie a fyzikÃ¡lnochemickÃ½ch vlastnosti antagonistov AT1 receptorov. Acta Facultatis Pharmaceuticae Universitatis Comenianae, 2015, 62, 20-31.	0.2	1

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37	Preparation of trisodium O-monoalkyl and O-monoaryl diphosphates. Chemical Papers, 2008, 62, .	2.2	0