Miroslav A Rangelov

List of Publications by Year
in descending order

32 papers	462 citations	623734 14 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	577 citing authors

#	Article	IF	Citations
1	New C2- and N3-Modified Thieno[2,3-d]Pyrimidine Conjugates with Cytotoxicity in the Nanomolar Range. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 1201-1212.	1.7	5
2	Synthesis and characterization of new 5,5â€²-dimethyl- and 5,5â€²-diphenylhydantoin-conjugated hemorphin derivatives designed as potential anticonvulsant agents. New Journal of Chemistry, 2022, 46, 2198-2217.	2.8	5
3	Chemical characterization, antioxidant activity, ï¡-amylase and acetylcholinesterase inhibitory potential of Angelica pancicii Vandas ex Velen. Boletin Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromaticas, 2022, 21, 418-430.	0.5	0
4	Study on the Neuroprotective, Radical-Scavenging and MAO-B Inhibiting Properties of New Benzimidazole Arylhydrazones as Potential Multi-Target Drugs for the Treatment of Parkinsonâ€™s Disease. Antioxidants, 2022, 11, 884.	5.1	10
5	Chemical evolution: from formamide to nucleobases and amino acids without the presence of catalyst. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5563-5578.	3.5	11
6	Biological activity of quinazoline analogues and molecular modeling of their interactions with G-quadruplexes. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129773.	2.4	6
7	Evaluation of the combined activity of benzimidazole arylhydrazones as new anti-Parkinsonian agents: monoamine oxidase-B inhibition, neuroprotection and oxidative stress modulation. Neural Regeneration Research, 2021, 16, 2299.	3.0	17
8	Differential effect of vitamins and plant growth regulators on sesquiterpene lactones and phenolic acids accumulation of Inula britannica L. shoot cultures. Plant Cell, Tissue and Organ Culture, 2021, 147, 21-35.	2.3	0
9	Anti-Idiotype scFv Localizes an Autoepitope in the Globular Domain of C1q. International Journal of Molecular Sciences, 2021, 22, 8288.	4.1	1
10	Molecular Mechanism of the Anti-Inflammatory Action of Heparin. International Journal of Molecular Sciences, 2021, 22, 10730.	4.1	20
11	Structureâ€“activity relationship study on new hemorphin-4 analogues containing steric restricted amino acids moiety for evaluation of their anticonvulsant activity. Amino Acids, 2020, 52, 1375-1390.	2.7	8
12	Caffeoylquinic Acids, Cytotoxic, Antioxidant, Acetylcholinesterase and Tyrosinase Enzyme Inhibitory Activities of Six <i>Inula</i> Species from Bulgaria. Chemistry and Biodiversity, 2020, 17, e2000051.	2.1	31
13	Synthesis, characterization and anticonvulsant activity of new series of N-modified analogues of VV-hemorphin-5 with aminophosphonate moiety. Amino Acids, 2019, 51, 1527-1545.	2.7	13
14	Evaluation of the anticonvulsant effect of novel melatonin derivatives in the intravenous pentylenetetrazol seizure test in mice. European Journal of Pharmacology, 2019, 863, 172684.	3.5	7
15	Anticonvulsant evaluation and docking analysis of VVâ€Hemorphinâ€5 analogues. Drug Development Research, 2019, 80, 425-437.	2.9	19
16	Discovery of novel indole-based aroylhydrazones as anticonvulsants: Pharmacophore-based design. Bioorganic Chemistry, 2019, 90, 103028.	4.1	28
17	Binding of Gold(III) Porphyrin by the Pro-metastatic Regulatory Protein Human Galectin-3. Molecules, 2019, 24, 4561.	3.8	5
18	Black Sea. , 2019, , 209-226.		2

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19	Interaction of Na⁺, K⁺, Mg²⁺ and Ca²⁺ counter cations with RNA. Metallomics, 2018, 10, 659-678.	2.4	42
20	Synthesis, anticancer activity and photostability of novel 3-ethyl-2-mercapto-thieno[2,3- d]pyrimidin-4() Tj ETQq0 0 0 rgBT /Overlock 10	5.5	32
21	Ab Initio Molecular Dynamics of Na+and Mg2+Countercations at the Backbone of RNA in Water Solution. ACS Chemical Biology, 2013, 8, 1576-1589.	3.4	16
22	Two 6-(propan-2-yl)-4-methyl-morpholine-2,5-diones as new non-purine xanthine oxidase inhibitors and anti-inflammatory agents. Food and Chemical Toxicology, 2013, 55, 493-497.	3.6	21
23	Density Functional Study of Hydrogen Bond Formation between Methanol and Organic Molecules Containing Cl, F, NH₂, OH, and COOH Functional Groups. Journal of Physical Chemistry A, 2011, 115, 14054-14068.	2.5	19
24	Determination of the optimal position of adjacent proton-donor centers for the activation or inhibition of peptide bond formation â€“ A computational model study. Journal of Molecular Graphics and Modelling, 2011, 30, 10-14.	2.4	1
25	Hierarchical approach to conformational search and selection of computational method in modeling the mechanism of ester ammonolysis. Journal of Molecular Graphics and Modelling, 2010, 29, 246-255.	2.4	5
26	Catalytic Role of Vicinal OH in Ester Aminolysis: Proton Shuttle versus Hydrogen Bond Stabilization. Journal of Organic Chemistry, 2010, 75, 6782-6792.	3.2	18
27	Design and Synthesis of Substrates for Model Ribosomal Reactions. Protein and Peptide Letters, 2009, 16, 392-401.	0.9	1
28	Unambiguous Evidence for Efficient Chemical Catalysis of Adenosine Ester Aminolysis by Its 2â€˜/3â€˜-OH. Journal of the American Chemical Society, 2007, 129, 5790-5791.	13.7	13
29	The syn-Oriented 2-OH Provides a Favorable Proton Transfer Geometry in 1,2-Diol Monoester Aminolysis:Â Implications for the Ribosome Mechanism. Journal of the American Chemical Society, 2006, 128, 4964-4965.	13.7	50
30	Quantum chemical model study of the acyl migration in 2â€²(3â€²)-formylnucleosides. International Journal of Quantum Chemistry, 2006, 106, 1346-1356.	2.0	13
31	2â€²/3â€²-O-peptidyl Adenosine as a General Base Catalyst of its Own External Peptidyl Transfer: Implications for the Ribosome Catalytic Mechanism. ChemBioChem, 2005, 6, 992-996.	2.6	25
32	Theoretical study of the o-OH participation in catechol ester ammonolysis. Organic and Biomolecular Chemistry, 2005, 3, 737.	2.8	16