Maria Mernea

List of Publications by Year
in descending order

37 papers	**279** citations
1039880 **9** h-index	940416 **16** g-index
38 all docs	**38** docs citations
38 times ranked	**474** citing authors

#	Article	IF	Citations
1	Epithelial Sodium Channel Inhibition by Amiloride Addressed with THz Spectroscopy and Molecular Modeling. Molecules, 2022, 27, 3271.	1.7	3
2	Structural bioinformatics used to predict the protein targets of remdesivir and flavones in SARS-CoV-2 infection. Medicinal Chemistry, 2021, 17, .	0.7	1
3	3D-ALMOND-QSAR Models to Predict the Antidepressant Effect of Some Natural Compounds. Pharmaceutics, 2021, 13, 1449.	2.0	10
4	Deep Learning in the Quest for Compound Nomination for Fighting COVID-19. Current Medicinal Chemistry, 2021, 28, 5699-5732.	1.2	2
5	Advanced Bioinformatics Tools in the Pharmacokinetic Profiles of Natural and Synthetic Compounds with Anti-Diabetic Activity. Biomolecules, 2021, 11, 1692.	1.8	11
6	The Study of Natural Compounds as Antidepressants by Bioinformatics Methods. Biology and Life Sciences Forum, 2021, 7, 17.	0.6	1
7	Scutellaria baicalensis Flavones as Potent Drugs against Acute Respiratory Injury during SARS-CoV-2 Infection: Structural Biology Approaches. Processes, 2020, 8, 1468.	1.3	22
8	N-glycosylation state of TRPM8 protein revealed by terahertz spectroscopy and molecular modelling. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129580.	1.1	5
9	Natural Compounds Therapeutic Features in Brain Disorders by Experimental, Bioinformatics and Cheminformatics Methods. Current Medicinal Chemistry, 2020, 27, 78-98.	1.2	6
10	Synthesis and characterization of zein-chromium nanoparticles with antibacterial effects. Romanian Biotechnological Letters, 2020, 25, 1628-1634.	0.5	0
11	Potential Therapeutic Approaches to Alzheimerâ€™s Disease By Bioinformatics, Cheminformatics And Predicted Adme-Tox Tools. Current Neuropharmacology, 2020, 18, 696-719.	1.4	10
12	Natural Aspirin-Like Compounds from White Willow (Salix alba) Bark Extract Prevent Structural Changes of Human Hemoglobin during In Vitro Non-Enzymatic Glycation and Fructation, Preserving Its Peroxidase and Esterase Activity. Medical Sciences Forum, 2020, 2, .	0.5	0
13	Analyzing the Interaction between Two Different Types of Nanoparticles and Serum Albumin. Materials, 2019, 12, 3183.	1.3	15
14	Predicted Mechanism of Antiasthmatic Drugs in Depression Based on Their Interaction with SERT and 5-HT1A Receptors. Current Enzyme Inhibition, 2018, 14, 51-60.	0.3	1
15	Dynamic analysis of the interactions between Si/SiO2 quantum dots and biomolecules for improving applications based on nano-bio interfaces. Scientific Reports, 2018, 8, 5289.	1.6	28
16	Up-Converting Nanoparticles. , 2018, , 278-311.		0
17	Advanced Structure-activity Relationships Applied to Mentha spicata L. Subsp. spicata Essential Oil Compounds as AChE and NMDA Ligands, in Comparison with Donepezil, Galantamine and Memantine â€" New Approach in Brain Disorders Pharmacology. CNS and Neurological Disorders - Drug Targets, 2017, 16, 800-811.	0.8	16
18	Up-Converting Nanoparticles. Advances in Chemical and Materials Engineering Book Series, 2017, , 490-523.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Aneuploidy-Inducing Mutations in Mitotic Checkpoint Protein hMad1-Carboxi Terminal Domain Analyzed by SAR and Computational Mutagenesis. Current Proteomics, 2017, 14, .	0.1	0
20	Effects of Cd2+ on the epithelial Na+ channel (ENaC) investigated by experimental and modeling studies. General Physiology and Biophysics, 2016, 35, 259-271.	0.4	1
21	Chemical Structure-Biological Activity Models for Pharmacophores' 3D-Interactions. International Journal of Molecular Sciences, 2016, 17, 1087.	1.8	29
22	Evaluation of the Therapeutic Properties of Mastoparan- and Sifuvirtide- Derivative Antimicrobial Peptides Using Chemical Structure-Function Relationship - in vivo and in silico Approaches. Current Drug Delivery, 2016, 13, 202-210.	0.8	6
23	Antipsychotics as Psychosis Drugs and Neuroprotective Promoters Evaluated by Chemical QSAR - in silico and in vivo Studies. Letters in Drug Design and Discovery, 2016, 13, 269-275.	0.4	2
24	In vitro human serum albumin glycation monitored by Terahertz spectroscopy. Optical and Quantum Electronics, 2015, 47, 961-973.	1.5	10
25	Mitotic Checkpoint Proteins Mad1 and Mad2 ' Structural and Functional Relationship with Implication in Genetic Diseases. Current Computer-Aided Drug Design, 2014, 10, 168-181.	0.8	6
26	Structure'Biological Function Relationship Extended to Mitotic Arrest-Deficient 2-Like Protein Mad2 Native and Mutants-New Opportunity for Genetic Disorder Control. International Journal of Molecular Sciences, 2014, 15, 21381-21400.	1.8	2
27	Chondroitin Sulfate Proteoglycans: Structure-Function Relationship with Implication in Neural Development and Brain Disorders. BioMed Research International, 2014, 2014, 1-11.	0.9	63
28	Validation of protein structural models using THz spectroscopy: a promising approach to solve three-dimensional structures. Optical and Quantum Electronics, 2014, 46, 505-514.	1.5	12
29	Diminazene Interaction with ASIC1A Channels. Biophysical Journal, 2014, 106, 550a.	0.2	0
30	A Theoretical Study on Monitoring Explosives Degradation by Pentaerythritol Tetranitrate Reductase Using THz Spectroscopy. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 81-86.	0.2	0
31	Pharmacological descriptors related to the binding of Gp120 to CD4 corresponding to 60 representative HIV-1 strains. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 1015-1025.	2.5	3
32	Advanced QSAR Methods Evaluated Polycyclic Aromatic Compounds Duality as Drugs and Inductors in Psychiatric Disorders. Current Organic Chemistry, 2013, 17, 2880-2890.	0.9	7
33	Study of supported phospholipid bilayers by THz-TDS. , 2012, , .		0
34	THz spectroscopy and molecular modeling of bovine serum albumin under various hydration conditions. Proceedings of SPIE, 2011, , .	0.8	0
35	Protein association investigated by THz spectroscopy and molecular modeling. Proceedings of SPIE, 2010, , .	0.8	2
36	3D protein structure determination by THz spectroscopy and molecular modelling: case study on bovine serum albumin. , 2009, , .		1

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37	The flexibility of hydrated bovine serum albumin investigated by THz spectroscopy and molecular modeling. Proceedings of SPIE, 2009, , .	0.8	3