

Iulia Matei

List of Publications by Year in descending order

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37
papers

690
citations

759233

12
h-index

552781

26
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38
all docs

38
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38
times ranked

1093
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of kaempferol with human serum albumin: A fluorescence and circular dichroism study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 768-773.	2.8	167
2	Interaction of fisetin with human serum albumin by fluorescence, circular dichroism spectroscopy and DFT calculations: binding parameters and conformational changes. <i>Journal of Luminescence</i> , 2011, 131, 1629-1635.	3.1	62
3	Magnetic and Luminescent Binuclear Double-Stranded Helicates. <i>Inorganic Chemistry</i> , 2014, 53, 7738-7747.	4.0	55
4	EPR and Circular Dichroism Solution Studies on the Interactions of Bovine Serum Albumin with Ionic Surfactants and β -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14245-14253.	2.6	46
5	A quantum dot-based lateral flow immunoassay for the sensitive detection of human heart fatty acid binding protein (hFABP) in human serum. <i>Talanta</i> , 2018, 178, 910-915.	5.5	46
6	Formation and Stabilization of Gold Nanoparticles in Bovine Serum Albumin Solution. <i>Molecules</i> , 2019, 24, 3395.	3.8	33
7	Spectroscopic Investigations of the Binding Interaction of a New Indanedione Derivative with Human and Bovine Serum Albumins. <i>Molecules</i> , 2009, 14, 1614-1626.	3.8	32
8	Spectroscopic and thermodynamic studies of 7-diethylamino-coumarin-3-carboxylic acid in interaction with β - and 2-hydroxypropyl- β -cyclodextrins. <i>Journal of Molecular Liquids</i> , 2012, 168, 47-53.	4.9	24
9	Kaempferol-human serum albumin interaction: Characterization of the induced chirality upon binding by experimental circular dichroism and TDDFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 709-715.	3.9	23
10	Interaction between Albumin and Pluronic F127 Block Copolymer Revealed by Global and Local Physicochemical Profiling. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4258-4267.	2.6	23
11	Fluorimetric and molecular mechanics study of the inclusion complex of 2-quinoxalinyln-phenoxathiin with β -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 597-601.	1.6	18
12	Cationic Spin Probe Reporting on Thermal Denaturation and Complexation-Decomplexation of BSA with SDS. Potential Applications in Protein Purification Processes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11238-11252.	2.6	17
13	Spin probe method of electron paramagnetic resonance spectroscopy - a qualitative test for measuring the evolution of dry eye syndrome under treatment. <i>Analytical Methods</i> , 2019, 11, 965-972.	2.7	11
14	Experimental study of the interaction of some coumarin derivatives with aniline in Triton-X-100 micelles. <i>Journal of Molecular Liquids</i> , 2011, 160, 57-62.	4.9	10
15	The Determination of the Stoichiometry of Cyclodextrin Inclusion Complexes by Spectral Methods: Possibilities and Limitations. , 0, , .		10
16	Complexation of β -cyclodextrin with dual molecular probes bearing fluorescent and paramagnetic moieties linked by short polyether chains. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27839-27847.	2.8	10
17	Spectroscopic parameters of the cuticle and ethanol extracts of the fluorescent cave isopod <i>Mesoniscus graniger</i> (Isopoda, Oniscidea). <i>ZooKeys</i> , 2015, 515, 111-125.	1.1	10
18	Induced chirality in fisetin upon binding to serum albumin: experimental circular dichroism and TDDFT calculations. <i>Journal of Molecular Modeling</i> , 2012, 18, 4381-4387.	1.8	9

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19	Theoretical ECD calculations – a useful tool for estimating the conformational change of a ligand in the binding pocket of proteins. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11604.	2.8	9
20	New Insights on Flavonoid-Serum Albumin Interactions from Concerted Spectroscopic Methods and Molecular Modeling. <i>Current Drug Metabolism</i> , 2013, 14, 474-490.	1.2	9
21	Phosphoketolases from <i>Lactococcus lactis</i> , <i>Leuconostoc mesenteroides</i> and <i>Pseudomonas aeruginosa</i> : dissimilar sequences, similar substrates but distinct enzymatic characteristics. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7855-7867.	3.6	8
22	Solvatochromic characteristics of dansyl molecular probes bearing alkyl diamine chains. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 237, 118413.	3.9	8
23	New environment-sensitive bis-dansyl molecular probes bearing alkyl diamine linkers: Emissive features and interaction with cyclodextrins. <i>Chemical Physics Letters</i> , 2018, 713, 226-234.	2.6	7
24	New flexible molecular probes bearing dansyl and TEMPO moieties for host-guest interactions in solution and gels. <i>New Journal of Chemistry</i> , 2019, 43, 11233-11240.	2.8	7
25	Subtle influence on alginate gel properties through host-guest interactions between covalently appended cyclodextrin and adamantane units. <i>New Journal of Chemistry</i> , 2021, 45, 8083-8091.	2.8	6
26	Evaluation of the Accessibility of Molecules in Hydrogels Using a Scale of Spin Probes. <i>Gels</i> , 2022, 8, 428.	4.5	5
27	Conformational preferences of TEMPO type radicals in complexes with cyclodextrins revealed by a combination of EPR spectroscopy, induced circular dichroism and molecular modeling. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12154-12165.	2.8	4
28	2-(2-Hydroxy-5-nitrobenzylidene)-1,3-indanedione versus Fluorescein Isothiocyanate in Interaction with Anti-hFABP Immunoglobulin G1: Fluorescence Quenching, Secondary Structure Alteration and Binding Sites Localization. <i>International Journal of Molecular Sciences</i> , 2013, 14, 3011-3025.	4.1	3
29	Poly(ethylene glycol)-cyclodextrin covalent gel networks: host matrices for studying radical processes in plant extract-riboflavin systems following UV irradiation. <i>Chemical Papers</i> , 2017, 71, 607-616.	2.2	3
30	A Comparison of the Behavior of Monomolecular and Dual Molecular Probes in F127/Cyclodextrin Systems. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800489.	2.2	3
31	Application of Riboflavin Photochemical Properties in Hydrogel Synthesis. , 2020, , .		3
32	Study of chemotactic activity developed by neutrophils from rheumatoid arthritis patients. <i>Roumanian Archives of Microbiology and Immunology</i> , 2002, 61, 243-58.	0.3	2
33	Model Systems for Evidencing the Mediator Role of Riboflavin in the UVA Cross-Linking Treatment of Keratoconus. <i>Molecules</i> , 2022, 27, 190.	3.8	2
34	Non-covalent interactions evidenced by EPR spectroscopy in cyclodextrin complexes. <i>Revue Roumaine De Chimie</i> , 2021, 66, 9-23.	0.2	1
35	Process mediated by gold nanoparticles encapsulated in polymeric gels evidenced by EPR spectroscopy. <i>Revue Roumaine De Chimie</i> , 2021, 66, 295-301.	0.2	1
36	Cyclodextrins as Bricks for Tuning Polymer Properties. , 0, , .		1

#	ARTICLE	IF	CITATIONS
37	Fabrication of a new LFIA test for rapid quantitative detection of CK-MB, using inkjet-printing method. , 2017, , .		0