

Silvia Angelova

List of Publications by Year in descending order

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623734

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citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant potential of curcumin-related compounds studied by chemiluminescence kinetics, chain-breaking efficiencies, scavenging activity (ORAC) and DFT calculations. Beilstein Journal of Organic Chemistry, 2015, 11, 1398-1411.	2.2	45
2	Gallium as a Therapeutic Agent: A Thermodynamic Evaluation of the Competition between Ga ³⁺ and Fe ³⁺ Ions in Metalloproteins. Journal of Physical Chemistry B, 2016, 120, 2241-2248.	2.6	44
3	Water inside β -cyclodextrin cavity: amount, stability and mechanism of binding. Beilstein Journal of Organic Chemistry, 2019, 15, 1592-1600.	2.2	43
4	Tautomerism in 1-phenylazo-4-naphthols: Experimental results vs quantum-chemical predictions. Dyes and Pigments, 2012, 92, 714-723.	3.7	33
5	Antiradical and antioxidant activities of new bio-antioxidants. Biochimie, 2012, 94, 403-415.	2.6	26
6	Ab initio study of 2,4-substituted azolidines. I. Tautomerism. Computational and Theoretical Chemistry, 2004, 711, 201-207.	1.5	25
7	Inclusion complexes of ibuprofen and β -cyclodextrin: Supramolecular structure and stability. Journal of Molecular Structure, 2020, 1205, 127575.	3.6	21
8	Factors Governing the Host-Guest Interactions between IIA/IIB Group Metal Cations and β -Cyclodextrin: A DFT/CDM Study. Inorganic Chemistry, 2017, 56, 1981-1987.	4.0	20
9	β -Cyclodextrin: How Effectively Can Its Hydrophobic Cavity Be Hydrated?. Journal of Physical Chemistry B, 2017, 121, 9260-9267.	2.6	20
10	Synthesis and characterization of cerium citric and tartaric complexes. Journal of Alloys and Compounds, 2008, 454, 491-500.	5.5	19
11	Enhanced Intramolecular Charge Transfer in New Type Donor-Acceptor Substituted Perylenes. Journal of Physical Chemistry C, 2012, 116, 22711-22719.	3.1	18
12	Halogen-containing thiazole orange analogues - new fluorogenic DNA stains. Beilstein Journal of Organic Chemistry, 2017, 13, 2902-2914.	2.2	18
13	Fast intramolecular proton transfer in 2-(hydroxyaminomethylidene)-indan-1,3-dione. Computational and Theoretical Chemistry, 2005, 719, 169-175.	1.5	15
14	Determinants of the host-guest interactions between β -, γ - and δ -cyclodextrins and group IA, IIA and IIIA metal cations: a DFT/PCM study. Physical Chemistry Chemical Physics, 2017, 19, 15129-15136.	2.8	15
15	Ab Initio Study of 2,4-Substituted Azolidines. II. Amino-Imino Tautomerism of 2-Aminothiazolidine-4-one and 4-Aminothiazolidine-2-one in Water Solution. Journal of Physical Chemistry A, 2005, 109, 8904-8913.	2.5	14
16	Does tautomeric equilibrium exist in 4-nitroso-5-pyrazolones?. Computational and Theoretical Chemistry, 2009, 897, 55-60.	1.5	14
17	A model system with intramolecular hydrogen bonding: Effect of external electric field on the tautomeric conversion and electronic structures. Computational and Theoretical Chemistry, 2013, 1006, 113-122.	2.5	12
18	Excited state proton transfer in 3,6-bis(4,5-dihydroxyoxazo-2-yl)benzene-1,2-diol. Chemical Physics Letters, 2013, 563, 43-49.	2.6	12

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19	Natural Chain-Breaking Antioxidants and Their Synthetic Analogs as Modulators of Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 624.	5.1	12
20	Zinc and Its Critical Role in <i>Retinitis pigmentosa</i> : Insights from DFT/SMD Calculations. <i>Inorganic Chemistry</i> , 2020, 59, 17347-17355.	4.0	10
21	Complexation of biologically essential (mono- and divalent) metal cations to cucurbiturils: a DFT/SMD evaluation of the key factors governing the host-guest recognition. <i>RSC Advances</i> , 2020, 10, 28139-28147.	3.6	10
22	Theoretical and Spectroscopic Study of 2-Substituted Indan-1,3-diones: A Coherent Picture of the Tautomeric Equilibrium. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9901-9913.	2.5	9
23	Influence of pH on the cis-trans isomerization of Valine-Proline dipeptide: An integrated NMR and theoretical investigation. <i>Journal of Molecular Structure</i> , 2010, 975, 330-334.	3.6	9
24	Protective effects of 4-methylcoumarins and related compounds as radical scavengers and chain-breaking antioxidants. <i>Biochimie</i> , 2017, 140, 133-145.	2.6	9
25	Bacterial Natural Disaccharide (Trehalose Tetraester): Molecular Modeling and in Vitro Study of Anticancer Activity on Breast Cancer Cells. <i>Polymers</i> , 2020, 12, 499.	4.5	9
26	Protective effects of new antioxidant compositions of 4-methylcoumarins and related compounds with dl-tocopherol and ascorbic acid. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3784-3794.	3.5	8
27	Host-guest interactions between p-sulfonatocalix[4]arene and p-sulfonatothiacalix[4]arene and group IA, IIA and f-block metal cations: a DFT/SMD study. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1321-1330.	2.2	8
28	DFT study of hydrazone-based molecular switches: the effect of different stators on the on/off state distribution. <i>Molecular Physics</i> , 2019, 117, 1604-1612.	1.7	8
29	Ab initio study of the tautomerism of 2,5-substituted diazoles. <i>Structural Chemistry</i> , 2010, 21, 1053-1060.	2.0	7
30	Antioxidant properties of novel curcumin analogues: A combined experimental and computational study. <i>Journal of Food Biochemistry</i> , 2021, 45, e13584.	2.9	7
31	Host-Guest Complexation of Cucurbit[7]Uril and Cucurbit[8]Uril with the Antineoplastic and Multiple Sclerosis Agent Mitoxantrone (Novantrone). <i>Journal of Physical Chemistry A</i> , 2021, 125, 536-542.	2.5	6
32	Inclusion complexes of (S)-naproxen and native cyclodextrins: Supramolecular structure and stability. <i>Journal of Molecular Structure</i> , 2021, 1235, 130218.	3.6	6
33	Molecular insights into the interaction of angiotensin I-converting enzyme (ACE) inhibitors and HEXXH motif. <i>Biophysical Chemistry</i> , 2021, 276, 106626.	2.8	6
34	Theoretical Insight into the Phosphate-Targeted Silver™s Antibacterial Action: Differentiation between Gram (+) and Gram (âˆ-) Bacteria. <i>Inorganic Chemistry</i> , 2022, 61, 10089-10100.	4.0	6
35	Aggregation of 2-Aminobenzimidazole A Combined Experimental and Theoretical Investigation. <i>ChemPhysChem</i> , 2011, 12, 1747-1755.	2.1	5
36	Molecular Insight into Inclusion Complex Formation of Curcumin and Calix[4]arene. <i>ChemistrySelect</i> , 2017, 2, 9658-9662.	1.5	5

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37	Precious metal-free molecular machines for solar thermal energy storage. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1096-1106.	2.2	5
38	Synthesis of 1,2,3,4-substituted spiroheterocyclic tetrahydroisoquinoline-1-ones and their structural similarity in water solution and in crystalhydrate solid state. <i>Arxiv.org</i> , 2010, 2010, 303-314.	0.5	5
39	Diastereoselectivity of tandem Michael addition-alkylation reactions: a convenient method for one-pot synthesis of β -branched 2,3-diphenylglutaric acid derivatives. <i>Tetrahedron</i> , 2002, 58, 3371-3378.	1.9	4
40	Synthesis of trans/cis 4-substituted 3-furyl-2-phenethyltetrahydroisoquinolin-1-ones: conformation of the trans-4-(pyrrolidinylcarbonyl) derivative. <i>Tetrahedron Letters</i> , 2006, 47, 2119-2123.	1.4	4
41	Solid-State Tautomerism in 2-Carboxyindan-1,3-dione. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2026-2034.	2.5	4
42	Bright fluorescent dsDNA probes: novel polycationic asymmetric monomethine cyanine dyes based on thiazolopyridine-quinolinium chromophore. <i>Coloration Technology</i> , 2015, 131, 94-103.	1.5	4
43	Assembly of New Merocyanine Chromophores with a 1,8-Naphthalimide Core by a New Method for the Synthesis of the Methine Function. <i>Australian Journal of Chemistry</i> , 2015, 68, 1399.	0.9	4
44	4-Carboxyl-2,6-dinitrophenylazohydroxynaphthalenes tautomerism NMR re-explained and other methods verified. <i>Dyes and Pigments</i> , 2017, 142, 226-229.	3.7	4
45	Complexation of IA and IIA group metal ions by N-phenylaza-15-crown-5 containing Schiff bases: A DFT study. <i>Inorganica Chimica Acta</i> , 2019, 487, 316-321.	2.4	4
46	Synthesis, photophysical characterisation and antimicrobial activity of a new anionic PAMAM dendrimer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112878.	3.9	4
47	Complexation of trivalent metal cations (Al^{3+} , Ga^{3+} , In^{3+}), Tj ETQq1 1 0.784314 rgBT /Overl governing the host-guest recognition. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6274-6281.	2.8	4
48	Spectral Characteristics and Sensor Ability of a New 1,8-Naphthalimide and Its Copolymer with Styrene. <i>Sensors</i> , 2020, 20, 3501.	3.8	3
49	Antiradical and Antioxidant Activities of New Natural-like Hydroxylated Biphenyls of Dehydrozingerone, Zingerone and Ferulic Acid. <i>Comptes Rendus De L'Academie Bulgare Des Sciences</i> , 2013, 66, .	0.2	3
50	Phase-transfer Catalysed Reactions of Mono- and disubstituted N-(benzylidene)-benzylamines with cinnamic acid derivatives. <i>Journal of Chemical Research</i> , 2000, 2000, 103-105.	1.3	2
51	Optical modeling of bulk-heterojunction organic solar cells based on squaraine dye as electron donor. <i>Journal of Physics: Conference Series</i> , 2014, 558, 012052.	0.4	2
52	Highly efficient unbridged D-A+(D) chromophores based on the quinolizinium cation for nonlinear optical (NLO) applications. <i>Dyes and Pigments</i> , 2022, 205, 110323.	3.7	2
53	Synthesis and Stereochemistry of 1,2,4,5-tetraarylimidazolidines. <i>Journal of Chemical Research</i> , 2001, 2001, 457-459.	1.3	1
54	(3RS,4RS)-3-(2-Furyl)-2-phenethyl-4-(pyrrolidin-1-ylcarbonyl)-3,4-dihydroisoquinolin-1(2H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2248-o2250.	0.2	1

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55	Solid-state structures of 2-(4-hydroxyphenyl)-substituted phenalene-1,3-dione and indan-1,3-dione. Journal of Structural Chemistry, 2014, 55, 446-455.	1.0	1
56	Unusual Para-Substituent Effects on the Intramolecular Hydrogen Bond in Hydrazone-Based Switches: Insights from Chemical Landscape Analysis and DFT Calculations. Physchem, 2021, 1, 189-201.	1.1	1
57	Optical properties of thin merocyanine dye layers for photovoltaic applications. Journal of Physics: Conference Series, 2014, 514, 012019.	0.4	0
58	Cover Image, Volume 98, Issue 10. Journal of the Science of Food and Agriculture, 2018, 98, i-i.	3.5	0
59	Halide anion solvation and recognition by bambusurils: A DFT study. Journal of Molecular Liquids, 2021, 335, 116160.	4.9	0
60	Mechanism and Stereoselectivity of the Phosphinylation of 3-Acyl Coumarins-Stereocontrol Via Concurrent Aromatic Interaction/Oxaphosphole Formation. Letters in Organic Chemistry, 2009, 6, 180-185.	0.5	0