

Mã;ria Vilkovã;

List of Publications by Year in descending order

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60
papers

1,108
citations

516561

16
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31
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docs citations

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times ranked

1236
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-dimensional compounds containing bioactive ligands. Part XVII: Synthesis, structural, spectral and biological properties of hybrid organic-inorganic complexes based on [PdCl ₄] ²⁻ with derivatives of 8-hydroxyquinolinium. <i>Journal of Inorganic Biochemistry</i> , 2022, 228, 111697.	1.5	4
2	Low-dimensional compounds containing bioactive ligands. Part XVIII: Design, synthesis and crystal structural investigations of ionic heteroleptic Pd(II) complexes based on halo and nitro 8-hydroxyquinoline derivatives. <i>Polyhedron</i> , 2022, 219, 115800.	1.0	0
3	A Comparative Study of Isolated Secondary Metabolites from Lichens and Their Antioxidative Properties. <i>Plants</i> , 2022, 11, 1077.	1.6	18
4	Acridine Based N-Acylhydrazone Derivatives as Potential Anticancer Agents: Synthesis, Characterization and ctDNA/HSA Spectroscopic Binding Properties. <i>Molecules</i> , 2022, 27, 2883.	1.7	11
5	Discovery of novel acridine-chalcone hybrids with potent DNA binding and antiproliferative activity against MDA-MB-231 and MCF-7 cells. <i>Medicinal Chemistry Research</i> , 2022, 31, 1323-1338.	1.1	7
6	Mechanochemical synthesis of indolyl chalcones with antiproliferative activity. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 474-482.	2.1	2
7	Synthesis, characterization and spectral properties of novel azo-azomethine-tetracarboxylic Schiff base ligand and its Co(II), Ni(II), Cu(II) and Pd(II) complexes. <i>Inorganica Chimica Acta</i> , 2021, 515, 120064.	1.2	20
8	An <i>in vitro</i> selective inhibitory effect of silver(I) aminoacidates against bacteria and intestinal cell lines and elucidation of the mechanism of action by means of DNA binding properties, DNA cleavage and cell cycle arrest. <i>Dalton Transactions</i> , 2021, 50, 936-953.	1.6	11
9	Novel 1-methoxyindole- and 2-alkoxyindole-based chalcones: design, synthesis, characterization, antiproliferative activity and DNA, BSA binding interactions. <i>Medicinal Chemistry Research</i> , 2021, 30, 897-912.	1.1	10
10	Potential Effect of <i>Pseudevernia furfuracea</i> (L.) Zopf Extract and Metabolite Physodic Acid on Tumour Microenvironment Modulation in MCF-10A Cells. <i>Biomolecules</i> , 2021, 11, 420.	1.8	9
11	Low-dimensional compounds containing bioactive ligands. Part XVI: Halogenated derivatives of 8-quinolinol N-oxides and their copper(II) complexes. <i>Journal of Molecular Structure</i> , 2021, 1246, 131144.	1.8	2
12	Antimicrobial and Anticancer Application of Silver(I) Dipeptide Complexes. <i>Molecules</i> , 2021, 26, 6335.	1.7	6
13	¹ H, ¹³ C and ¹⁵ N NMR of spiro acridines integrated with pyrrole scaffolds. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 204-214.	1.1	3
14	Deep eutectic solvents vs ionic liquids: Similarities and differences. <i>Microchemical Journal</i> , 2020, 159, 105539.	2.3	243
15	Ethylene Induction of Non-Enzymatic Metabolic Antioxidants in <i>Matricaria chamomilla</i> . <i>Molecules</i> , 2020, 25, 5720.	1.7	7
16	Synthesis, solution stability, and structural characterization of quinolinol-based silver(I) complexes. <i>Journal of Coordination Chemistry</i> , 2020, 73, 784-798.	0.8	4
17	<i>In vitro</i> biological evaluation and consideration about structure-activity relationship of silver(I) aminoacidate complexes. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111170.	1.5	6
18	The role of water in deep eutectic solvent-base extraction. <i>Journal of Molecular Liquids</i> , 2020, 304, 112747.	2.3	134

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19	Antiproliferative Effect of Acridine Chalcone Is Mediated by Induction of Oxidative Stress. <i>Biomolecules</i> , 2020, 10, 345.	1.8	30
20	Spectroscopic and computational study of a new thiazolylazonaphthol dye 1-[(5-(3-nitrobenzyl)-1,3-thiazol-2-yl)diazenyl]naphthalen-2-ol. <i>Journal of Molecular Liquids</i> , 2020, 304, 112713.	2.3	16
21	Full NMR assignment of new acridinylâ€chalcones, pyrazolinoâ€acridines, and spiro[imidazo[1,5â€<i>b</i>]pyrazoleâ€4,9â€â€acridines]. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 769-777. ^{1.1}		4
22	Low-dimensional compounds containing bioactive ligands. Part XIII: Square planar anti-cancer Pd(II) complexes with halogenderivatives of 8-quinolinol and dimethylamine. <i>Polyhedron</i> , 2020, 184, 114535.	1.0	5
23	Synthesis and mannosidase inhibitory profile of a small library of aminocyclitols from shikimic acid-derived scaffolds. <i>Carbohydrate Research</i> , 2020, 493, 108027.	1.1	1
24	Oxidative stress mediated by gyrophoric acid from the lichen <i>Umbilicaria hirsuta</i> affected apoptosis and stress/survival pathways in HeLa cells. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 221.	3.7	13
25	Mechanochemical Synthesis and Isomerization of N-Substituted Indole-3-carboxaldehyde Oximes â€. <i>Molecules</i> , 2019, 24, 3347.	1.7	14
26	Insights into physiological responses of mosses <i>Physcomitrella patens</i> and <i>Pohlia drummondii</i> to lichen secondary metabolites. <i>Protoplasma</i> , 2019, 256, 1585-1595.	1.0	3
27	Low-dimensional compounds containing bioactive ligands. Part XII: Synthesis, structures, spectra, in vitro antimicrobial and cytotoxic activities of zinc(II) complexes with halogen derivatives of quinolin-8-ol. <i>Polyhedron</i> , 2019, 170, 447-457.	1.0	11
28	New Chalcone Derivative Inhibits ABCB1 in Multidrug Resistant T-cell Lymphoma and Colon Adenocarcinoma Cells. <i>Anticancer Research</i> , 2019, 39, 6499-6505.	0.5	12
29	Synthesis and biological activity of diastereoisomeric octahydro-1H-indole-5,6,7-triols, analogues of castanospermine. <i>Tetrahedron</i> , 2019, 75, 398-408.	1.0	5
30	Synthesis and isomerization of acridine substituted 1,3-thiazolidin-4-ones and 4-oxo-1,3-thiazolidin-5-ylidene acetates. An experimental and computational study. <i>Journal of Molecular Structure</i> , 2018, 1154, 152-164.	1.8	12
31	A short synthesis of protected 3-deoxy-d-arabino-2-heptulosonates (DAH) from shikimic acid based on silyl group migration. <i>Tetrahedron Letters</i> , 2018, 59, 4620-4621.	0.7	1
32	New chalcone derivative exhibits antiproliferative potential by inducing G2/M cell cycle arrest, mitochondrial-mediated apoptosis and modulation of MAPK signalling pathway. <i>Chemico-Biological Interactions</i> , 2018, 292, 37-49.	1.7	31
33	Antiproliferative effect of new chalcone derivatives in human colorectal cancer HCT116 cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-9-10.	0.0	0
34	3-[(E)-(acridin-9â€2-ylmethylidene)amino]-1-substituted thioureas and their biological activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 234-241.	2.0	5
35	Synthesis, spectral characterization, DNA binding ability and anti-cancer screening of new acridine-based derivatives. <i>Medicinal Chemistry Research</i> , 2017, 26, 2309-2321.	1.1	9
36	Interaction of the Zn(ⁱⁱ)â€cyclen complex with aminomethylphosphonic acid: original simultaneous potentiometric and ³¹ P NMR data treatment. <i>New Journal of Chemistry</i> , 2017, 41, 7253-7259.	1.4	3

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37	Toxic metal complexes of macrocyclic cyclen molecule – synthesis, structure and complexing properties. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1698-1712.	0.8	8
38	New silver complexes with bioactive glycine and nicotinamide molecules – Characterization, DNA binding, antimicrobial and anticancer evaluation. <i>Journal of Inorganic Biochemistry</i> , 2017, 168, 1-12.	1.5	40
39	Low-dimensional compounds containing cyanido groups. Part XXXI. First simultaneous nucleophilic addition of water and ethanol to dicyanonitrosomethanide anions in the presence of Co(II). <i>Inorganica Chimica Acta</i> , 2017, 456, 49-54.	1.2	6
40	Stereoselective synthesis and anticancer activity of brossonetine analogues. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1175-1182.	1.8	12
41	Low-dimensional compounds containing bioactive ligands. Part VIII: DNA interaction, antimicrobial and antitumor activities of ionic 5,7-dihalo-8-quinolinolato palladium(II) complexes with K ⁺ and Cs ⁺ cations. <i>Journal of Inorganic Biochemistry</i> , 2017, 167, 80-88.	1.5	20
42	Mechanochemical approach for the capping of mixed core CdS/ZnS nanocrystals: Elimination of cadmium toxicity. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 97-111.	5.0	25
43	Two New Isomers of Palmityl-4-hydroxycinnamate from Flowers of Taraxacum Species. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.2	0
44	Prediction by ¹³ C NMR of regioselectivity in 1,3-dipolar cycloadditions of acridin-9-yl dipolarophiles. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 8-16.	1.1	10
45	Strong deshielding in aromatic isoxazolines. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 17-27.	1.1	3
46	New spiroacridine derivatives with DNA-binding and topoisomerase I inhibition activity. <i>Tetrahedron Letters</i> , 2016, 57, 5592-5595.	0.7	9
47	Unexpected regiospecific formation and DNA binding of new 3-(acridin-9-yl)methyl-2-iminothiazolidin-4-ones. <i>Journal of Chemical Sciences</i> , 2016, 128, 269-277.	0.7	9
48	Contribution to the synthesis of polyhydroxylated indolizidines starting from sugar isothiocyanates. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 346-351.	1.8	4
49	New spiro tria(thia)zolidine- β -acridines as topoisomerase inhibitors, DNA binders and cytostatic compounds. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 690-700.	3.6	25
50	Modulation of phenolic metabolism under stress conditions in a <i>Lotus japonicus</i> mutant lacking plastidic glutamine synthetase. <i>Frontiers in Plant Science</i> , 2015, 6, 760.	1.7	42
51	DNA binding, anti-tumour activity and reactivity toward cell thiols of acridin-9-ylalkenoic derivatives. <i>Journal of Chemical Sciences</i> , 2015, 127, 931-940.	0.7	12
52	Dipeptide interactions with Zn(II)–cyclen artificial model for molecular recognition. <i>Journal of Molecular Recognition</i> , 2015, 28, 211-219.	1.1	2
53	Spontaneous cyclization of (acridin-9-ylmethyl)thioureas to spiro [dihydroacridine-9-yl(10H),5-imidazolidine]-2-thiones, a novel type of acridine spirocycles. <i>Tetrahedron</i> , 2014, 70, 944-961.	1.0	19
54	A common approach to the total synthesis of l-arabino-, l-ribo-C18-phytosphingosines, ent-2-epi-jaspine B and 3-epi-jaspine B from d-mannose. <i>Tetrahedron</i> , 2013, 69, 8228-8244.	1.0	23

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55	A stereoselective total synthesis of the HCl salts of mycestericins F, G and ent-F. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 121-133.	1.8	11
56	Coumarins of <i>Matricaria chamomilla</i> L.: Aglycones and glycosides. <i>Food Chemistry</i> , 2013, 141, 54-59.	4.2	61
57	Structure-activity relationship of acridine derivatives to amyloid aggregation of lysozyme. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 465-474.	1.1	31
58	Stereochemistry, tautomerism, and reactions of acridinyl thiosemicarbazides in the synthesis of 1,3-thiazolidines. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 645-656.	1.4	45
59	Unusual structures derived from <i>N</i> -acridinyl methyl <i>N</i> -acridinyl thiourea based on the propensity of <i>N</i> to retain H. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 739-743.	1.4	18
60	2-(Acridin-9-ylimino)-3-dimethylamino-1,3-thiazolidin-4-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o231-o233.	0.4	1