

Satyanarayana S

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6741600/publications.pdf>

Version: 2024-02-01

64
papers

3,533
citations

535685

17
h-index

150775

59
g-index

65
all docs

65
docs citations

65
times ranked

2689
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver(i)-catalyzed dehydrogenative cross-coupling of 2-arylbzofurans with phosphites. <i>New Journal of Chemistry</i> , 2022, 46, 2662-2668.	1.4	3
2	Binding and Photocleavage Studies of Ru (II) Polypyridyl Complexes with DNA: An <i>In Silico</i> and Antibacterial activity. <i>Analytical Chemistry Letters</i> , 2022, 12, 266-282.	0.4	1
3	Influence of Co(III) Polypyridyl Complexes on Luminescence Behavior, DNA Binding, Photocleavage, Antimicrobial Activity and Molecular Docking Studies. <i>Journal of Fluorescence</i> , 2021, 31, 1009-1021.	1.3	4
4	Study of Anti-Apoptotic mechanism of Ruthenium (II) Polypyridyl Complexes via RT-PCR and DNA binding. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5332.	1.7	8
5	Synthesis, structural characterization, <i>in vitro</i> DNA binding, and antitumor activity properties of Ru(II) compounds containing 2-(2,6-dimethoxy-pyridine-3-yl)-1H-imidazo[4,5-f][1,10]phenanthroline. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 760-791.	0.4	4
6	Synthesis and Characterization of Ru(II) Polypyridyl Complexes with 2-(4-Methylbenzoate)-1H-imidazo[4,5-f][1,10]phenanthroline Ligand, and Their DNA Binding, Photocleavage, Physico-Chemical Properties, and Cytotoxicity. <i>Russian Journal of General Chemistry</i> , 2020, 90, 2456-2466.	0.3	2
7	Chromium-metformin ternary complexes: Thermal, DNA interaction and Docking studies. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5086.	1.7	11
8	Induction of Apoptosis in SKOV3 and DNA Binding by Cobalt(III) Polypyridyl Complexes. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 273-284.	0.3	3
9	Synthesis, spectral studies, DNA binding, photocleavage, antimicrobial and anticancer activities of isoindol Ru(II) polypyridyl complexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 788-806.	0.4	5
10	DNA binding, photocleavage, antimicrobial and cytotoxic properties of Ru(II) polypyridyl complexes containing BOPIP ligand, (BOPIP = 2-(4-(benzyloxy) phenyl)-1H-imidazo [4,5-f] [1,2]phenanthroline)}. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 349-373.	0.4	6
11	Study of the interaction of Co(III) polypyridyl complexes with DNA: an experimental and computational approach. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 400-417.	0.4	3
12	Studies on the DNA binding and anticancer activity of Ru(II) polypyridyl complexes by using a (2-(4-(diethoxymethyl)-1H-imidazo[4,5-f][1,10]phenanthroline)) intercalative ligand. <i>New Journal of Chemistry</i> , 2018, 42, 846-859.	1.4	35
13	Comparative Studies on DNA Binding, Photocleavage, and Photophysical Properties of Ru(II) Complexes Containing TIP {TIP = 2-(Thiophen-2-yl)-1H-imidazo[4,5-f][1,10]-phenanthroline} Ligand. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2621-2627.	0.3	1
14	Synthesis, Characterization and Luminescence Sensitivity with Variance in pH, DNA and BSA Binding Studies of Ru(II) Polypyridyl Complexes. <i>Journal of Fluorescence</i> , 2017, 27, 939-952.	1.3	8
15	Synthesis, Spectral Properties and DFT Calculations of new Ruthenium (II) Polypyridyl Complexes; DNA Binding Affinity and <i>in vitro</i> Cytotoxicity Activity. <i>Journal of Fluorescence</i> , 2017, 27, 1513-1530.	1.3	6
16	Correlation Between Molecular Modelling and Spectroscopic Techniques in Investigation With DNA Binding Interaction of Ruthenium(II) Complexes. <i>Journal of Fluorescence</i> , 2017, 27, 587-594.	1.3	9
17	Analytical Techniques Used to Detect DNA Binding Modes of Ruthenium(II) Complexes with Extended Phenanthroline Ring. <i>Journal of Fluorescence</i> , 2017, 27, 2119-2130.	1.3	15
18	Investigation of DNA/BSA binding of three Ru(II) complexes by various spectroscopic methods, molecular docking and their antimicrobial activity. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3790-3809.	0.8	14

#	ARTICLE	IF	CITATIONS
19	DNA Binding Behavior, Sensor Studies, Antimicrobial, Photocleavage and In vitro Cytotoxicity of Synthesized Ru(II) Complexes with Assorted Intercalating Polypyridyl Ligands. Journal of Fluorescence, 2016, 26, 1101-1113.	1.3	12
20	DNA-binding, cytotoxicity, cellular uptake, apoptosis and photocleavage studies of Ru(II) complexes. Journal of Photochemistry and Photobiology B: Biology, 2016, 160, 142-153.	1.7	33
21	Studies on Photocleavage, DNA Binding, Cytotoxicity, and Docking Studies of Ruthenium(II) Mixed Ligand Complexes. Journal of Fluorescence, 2016, 26, 2119-2132.	1.3	7
22	Synthesis and Evaluation of In Vitro DNA/Protein Binding Affinity, Antimicrobial, Antioxidant and Antitumor Activity of Mononuclear Ru(II) Mixed Polypyridyl Complexes. Journal of Fluorescence, 2016, 26, 225-240.	1.3	15
23	Luminescent Behavior of Ru(II) Polypyridyl Morpholine Complexes, Synthesis, Characterization, DNA, Protein Binding, Sensor Effect of Ions/Solvents and Docking Studies. Journal of Fluorescence, 2016, 26, 689-701.	1.3	7
24	Antiangiogenic Activity of Mononuclear Copper(II) Polypyridyl Complexes for the Treatment of Cancers. Journal of Medicinal Chemistry, 2015, 58, 5226-5241.	2.9	94
25	Synthesis, Characterisation, Interaction with DNA, Cytotoxicity, and Apoptotic Studies of Ruthenium(II) Polypyridyl Complexes. Australian Journal of Chemistry, 2014, 67, 225.	0.5	7
26	DNA-binding and cleavage, cytotoxicity properties of Ru(II) complexes with 2-(4-chloro-phenyl)imidazo[4,5-f][1,10]phenanthroline, ligand and their "light switch" "off" effect. Medicinal Chemistry Research, 2014, 23, 224-235.	1.1	8
27	Synthesis, Characterization, DNA Binding Studies, Photocleavage, Cytotoxicity and Docking Studies of Ruthenium(II) Light Switch Complexes. Journal of Fluorescence, 2014, 24, 169-181.	1.3	15
28	Cellular uptake, cytotoxicity, apoptosis and DNA-binding investigations of Ru(II) complexes. European Journal of Medicinal Chemistry, 2014, 72, 160-169.	2.6	29
29	Cellular uptake, cytotoxicity, apoptosis, DNA-binding, photocleavage and molecular docking studies of ruthenium(II) polypyridyl complexes. Journal of Photochemistry and Photobiology B: Biology, 2014, 132, 111-123.	1.7	63
30	Synthesis, Characterization, DNA Binding, Light Switch "On and Off", Docking Studies and Cytotoxicity, of Ruthenium(II) and Cobalt(III) Polypyridyl Complexes. Journal of Fluorescence, 2014, 24, 803-817.	1.3	24
31	Synthesis, characterization; DNA binding and antitumor activity of ruthenium(II) polypyridyl complexes. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 47-58.	1.7	41
32	DETERMINATION OF CLONAZEPAM IN HAIR AND NAIL USING LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY (LC-MS/MS). Journal of Liquid Chromatography and Related Technologies, 2014, 37, 1917-1928.	0.5	7
33	Synthesis, DNA-binding, Cytotoxicity, Photo Cleavage, Antimicrobial and Docking Studies of Ru(II) Polypyridyl Complexes. Journal of Fluorescence, 2013, 23, 897-908.	1.3	30
34	Synthesis, characterization, DNA-binding, photocleavage, cytotoxicity and docking studies of Co(III) mixed ligand complexes. Transition Metal Chemistry, 2013, 38, 811-819.	0.7	6
35	Synthesis, interaction with DNA, cytotoxicity, cell cycle arrest and apoptotic inducing properties of ruthenium(II) molecular "light switch" complexes. European Journal of Medicinal Chemistry, 2013, 64, 410-421.	2.6	71
36	Ruthenium(II) ethylenediamine complexes with dipyrrophenazine ligands: synthesis, characterization, DNA interactions, and antiproliferative activities. Journal of Coordination Chemistry, 2013, 66, 1661-1675.	0.8	12

#	ARTICLE	IF	CITATIONS
37	Synthesis, characterization and DNA-binding characteristics of Ru(II) molecular light switch complexes. Journal of the Iranian Chemical Society, 2012, 9, 671-680.	1.2	8
38	Review: Synthesis, characterization, and DNA-binding properties of Ru(II) molecular "light switch" complexes. Journal of Coordination Chemistry, 2012, 65, 474-486.	0.8	24
39	Study of DNA Light Switch Ru(II) Complexes : Synthesis, Characterization, Photocleavage and Antimicrobial Activity. Journal of Fluorescence, 2012, 22, 835-847.	1.3	20
40	DNA-DNA interactions of ruthenium(II) & cobalt(III) phenanthroline and bipyridine complexes with a planar aromatic ligand 2-(2-fluoronyl)1H-imidazo[4,5-f][1,10-Phenanthroline]. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 70, 187-195.	1.6	15
41	Synthesis, DNA Binding, DNA Photocleavage and Antimicrobial Activity of [Co(bpy) ₂ DMHBT] ³⁺ , [Co(dmb) ₂ DMHBT] ³⁺ and [Co(phen) ₂ DMHBT] ³⁺ Complexes. Spectroscopy Letters, 2011, 44, 27-37.	0.5	7
42	Synthesis, DNA Binding, and DNA Photocleavage of the Cobalt(III) Complexes [Co(bpy) ₂ MDDPPZ] ³⁺ , [Co(dmb) ₂ MDDPPZ] ³⁺ , and [Co(phen) ₂ MDDPPZ] ³⁺ and their Antimicrobial Activity. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 182-192.	0.6	1
43	Synthesis, DNA interaction and photocleavage studies of ruthenium(II) complexes with 2-(pyrrole)imidazo[4,5-f]-1,10-phenanthroline as an intercalative ligand. Transition Metal Chemistry, 2010, 35, 713-720.	0.7	17
44	DNA interactions of ruthenium(II) complexes with a polypyridyl ligand: 2-(2,2',6',6'-tetra(4-methoxyphenyl)pyridine) ruthenium(II) complex. Journal of Coordination Chemistry, 2010, 63, 3676-3687.	0.7	11
45	Synthesis, characterization, and DNA binding of ruthenium(II) complexes with 2-benzo[b]furan-2-yl-1H-imidazo[4,5f][1,10]phenanthroline as an intercalative ligand. Journal of Coordination Chemistry, 2010, 63, 3676-3687.	0.8	13
46	Study of the interaction between ruthenium(II) complexes and CT-DNA: synthesis, characterisation, photocleavage and antimicrobial activity studies. Supramolecular Chemistry, 2010, 22, 629-643.	1.5	8
47	DNA-Binding and Photocleavage Properties of Ru(II) Polypyridyl Complexes with DNA and Their Toxicity Studies on Eukaryotic Microorganisms. Nucleosides, Nucleotides and Nucleic Acids, 2009, 28, 953-968.	0.4	24
48	Synthesis, characterization, photocleavage, antimicrobial activity and DNA binding of [Co(bpy) ₂ MHPIP] ³⁺ , [Co(dmb) ₂ MHPIP] ³⁺ , and [Co(phen) ₂ MHPIP] ³⁺ complexes. Journal of Coordination Chemistry, 2009, 62, 3997-4008.	0.8	6
49	Synthesis, characterization and DNA binding and photocleavage studies of [Ru(bpy) ₂ BDPPZ] ²⁺ , [Ru(dmb) ₂ BDPPZ] ²⁺ and [Ru(phen) ₂ BDPPZ] ²⁺ complexes and their antimicrobial activity. Applied Organometallic Chemistry, 2009, 23, 409-420.	1.7	44
50	DNA-Binding and cytotoxicity of the cobalt(III) ethylenediamine pyrazole complex [Co(en) ₂ (pyz) ₂] ³⁺ . Journal of the Iranian Chemical Society, 2009, 6, 145-152.	1.2	15
51	Kinetics and equilibria for the axial ligation of bromomethyl (aqua)cobaloxime with pyridines " Isolation characterization and DNA binding. Journal of Chemical Sciences, 2009, 121, 1053-1060.	0.7	1
52	DNA binding and cleavage properties of certain ethylenediamine cobalt(III) complexes of modified 1,10-phenanthrolines. Polyhedron, 2007, 26, 1686-1692.	1.0	62
53	Study of the spectroscopic characteristics of methyl (ligand) cobaloximes and their antibacterial activity. Journal of Chemical Sciences, 2007, 119, 29-34.	0.7	6
54	Atrans influence study in propyl (aqua)cobaloxime by imidazoles and amino acids. Journal of Chemical Sciences, 2005, 117, 305-309.	0.7	1

#	ARTICLE	IF	CITATIONS
55	Equilibria and kinetics for pH-dependent axial ligation of ethylester and methylester(aquo)cobaloximes with aromatic and aliphatic N-donor ligands and a molecular mechanistic study of the Co-C bond. Journal of Chemical Sciences, 2004, 116, 143-150.	0.7	4
56	Equilibria and kinetics for pH-dependent axial ligation of bromomethyl(aquo)cobaloxime by aliphatic amine ligands. Journal of Chemical Sciences, 2003, 115, 83-90.	0.7	1
57	Equilibrium and kinetic studies on ligand substitution reactions of chloromethyl(aquo)cobaloxime with aromatic and aliphatic N-donor ligands. Journal of Chemical Sciences, 2003, 115, 175-183.	0.7	3
58	Coenzyme B12 model studies: Equilibrium constants for the pH-dependent axial ligation of benzyl(aquo)cobaloxime by various N- and S-donor ligands. Journal of Chemical Sciences, 2002, 114, 1-10.	0.7	5
59	Equilibria and kinetics for pH-dependent axial ligation of alkyl(aquo) cobaloximes with aromatic and aliphatic N-donor ligands. Journal of Chemical Sciences, 2002, 114, 11-23.	0.7	6
60	Coenzyme B12 model studies: An HSAB approach to the equilibria and kinetics of axial ligation of alkyl(aquo)-cobaloximes by imidazole and cyanide. Journal of Chemical Sciences, 2000, 112, 579-591.	0.7	8
61	Synthesis, ¹³ C and ¹⁵ N NMR and infrared studies of cyano(ligand) cobaloximes. Journal of Chemical Sciences, 1998, 110, 31.	0.7	1
62	Parsing the Free Energy of Anthracycline Antibiotic Binding to DNA. Biochemistry, 1996, 35, 2047-2053.	1.2	187
63	Tris(phenanthroline)ruthenium(II) enantiomer interactions with DNA: Mode and specificity of binding. Biochemistry, 1993, 32, 2573-2584.	1.2	1,148
64	Neither .DELTA.- nor .LAMBDA.-tris(phenanthroline)ruthenium(II) binds to DNA by classical intercalation. Biochemistry, 1992, 31, 9319-9324.	1.2	1,268