

# P Murali Krishna

## List of Publications by Year in descending order

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36  
papers

511  
citations

686830

13  
h-index

713013

21  
g-index

36  
all docs

36  
docs citations

36  
times ranked

553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, pharmacological and computational studies of 4, 5, 6, 7-tetrahydro-1, 3-benzothiazole incorporated azo dyes. <i>Journal of Molecular Structure</i> , 2019, 1179, 630-641.	1.8	51
2	Characterization studies of novel series of cobalt (II), nickel (II) and copper (II) complexes: DNA binding and antibacterial activity. <i>Journal of Pharmaceutical Investigation</i> , 2021, 51, 347-359.	2.7	47
3	Synthesis, characterization, DNA binding and nuclease activity of binuclear copper(II) complexes of cuminaldehyde thiosemicarbazones. <i>Transition Metal Chemistry</i> , 2008, 33, 661-668.	0.7	46
4	Synthesis, single crystal structure and DNA cleavage studies on first 4N-ethyl substituted three coordinate copper(I) complex of thiosemicarbazone. <i>Inorganica Chimica Acta</i> , 2009, 362, 4185-4190.	1.2	37
5	Synthesis, spectral characterization and biological studies of Cu (II), Co (II) and Ni (II) complexes of azo dye ligand containing 4-aminopyridine moiety. <i>Journal of Molecular Structure</i> , 2019, 1183, 37-51.	1.8	31
6	Novel metal-organic photocatalysts: Synthesis, characterization and decomposition of organic dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 371-377.	2.0	28
7	Saussurea lappa plant rhizome extract-based zinc oxide nanoparticles: synthesis, characterization and its antibacterial, antifungal activities and cytotoxic studies against Chinese Hamster Ovary (CHO) cell lines. <i>Heliyon</i> , 2021, 7, e07265.	1.4	28
8	Synthesis, characterization, nucleic acid interactions and photoluminescent properties of methaniminium hydrazone Schiff base and its Mn(II), Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes. <i>Journal of Molecular Structure</i> , 2018, 1164, 271-279.	1.8	27
9	Synthesis, structural characterization, antimicrobial and DNA binding studies of homoleptic zinc and copper complexes of NO Schiff bases derived from homoveratrylamine. <i>Inorganica Chimica Acta</i> , 2019, 495, 118929.	1.2	24
10	BSA binding and antibacterial studies of newly synthesized 5,6-Dihydroimidazo[2,1-b]thiazole-2-carbaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117192.	2.0	20
11	Design, synthesis, and pharmacology of some oxadiazole and hydroxypyrazoline hybrids bearing thiazoyl scaffold: antiproliferative activity, molecular docking and DNA binding studies. <i>Heliyon</i> , 2019, 5, e01255.	1.4	19
12	Structure and spectroscopic investigations of a bi-dentate N <sup>2</sup> -[(4-ethylphenyl)methylidene]-4-hydroxybenzohydrazide and its Co(II), Ni(II), Cu(II) and Cd(II) complexes: Insights relevant to biological properties. <i>Journal of Molecular Structure</i> , 2017, 1137, 543-552.	1.8	15
13	Synthesis, structural studies, molecular docking and DNA binding studies of 4N-substituted hydrazinecarbothioamides. <i>Journal of Molecular Structure</i> , 2019, 1175, 97-104.	1.8	13
14	BSA interaction and DNA cleavage studies of anti-bacterial benzothiazol-2-yl-malonaldehyde. <i>Journal of Molecular Structure</i> , 2019, 1196, 96-104.	1.8	12
15	The exploration of bio-inspired copper oxide nanoparticles: synthesis, characterization and in-vitro biological investigations. <i>Heliyon</i> , 2022, 8, e09726.	1.4	11
16	Facile synthesis, characterization, nucleic acid interaction and photoluminescent properties of (E)-furan-2-yl(2-(2-hydroxybenzylidene)hydrazinyl) methaniminium and its Mn(II), Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes. <i>Journal of Molecular Structure</i> , 2019, 1178, 333-340.	1.8	10
17	Synthesis, spectral characterization and DNA interactions of 5-(4-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (ph	1.8	10
18	Synthesis, spectral and DNA/Protein binding evaluation of novel Cu(II) chelates of an NNO donor tridentate aroylhydrazone: Halogen bonding directed close packing. <i>Journal of Molecular Structure</i> , 2020, 1217, 128453.	1.8	9

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19	Space qualification and characterization of high emittance black nickel coating on copper and stainless steel substrates. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 163-171.	3.0	8
20	One-Pot Synthesis of Pyrimido[4,5-d]pyrimidine Derivatives and Investigation of Their Antibacterial, Antioxidant, DNA-Binding and Voltammetric Characteristics. <i>ChemistrySelect</i> , 2019, 4, 990-996.	0.7	8
21	Design and Synthesis of Metal Complexes of (2-E)-2-[(2-E)-3-Phenylprop-2-en-1-ylidene]hydrazinecarbothioamide and Their Photocatalytic Degradation of Methylene Blue. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	0.8	7
22	Transition metal complexes of ligand 4-imino-3-[(4,5,6,7-tetrahydro-1,3-benzothiazol-2-yl)diazanyl]-4H pyrimido[2,1-b][1,3]benzothiazol-2-ol containing benzothiazole moiety: Synthesis, spectroscopic characterization and biological evaluation. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108524.	1.8	7
23	Synthesis, Characterization, and Biological Studies of Binuclear Copper(II) Complexes of (2E)-2-(2-Hydroxy-3-Methoxybenzylidene)-N-Substituted Hydrazinecarbothioamides. <i>International Journal of Inorganic Chemistry</i> , 2013, 2013, 1-11.	0.6	6
24	Bivalent Ni(II), Co(II) and Cu(II) complexes of [(E)-[(2-methyl-1,3-thiazol-5-yl)methylidene]amino]thiourea: synthesis, spectral characterization, DNA and in-vitro anti-bacterial studies. <i>Heliyon</i> , 2021, 7, e06838.	1.4	6
25	Synthesis, characterization, nucleic acid interaction and photoluminescence properties of (E)-(2-(2-hydroxybenzylidene)hydrazinyl)(pyridin-4-yl)methaniminium Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes. <i>Journal of Molecular Structure</i> , 2019, 1179, 86-91.	1.8	5
26	5-[Substituted]-1, 3, 4-thiadiazol-2-amines: Synthesis, Spectral Characterization, and Evaluation of their DNA interactions. <i>Current Chemistry Letters</i> , 2019, , 157-168.	0.5	5
27	New ON Schiff bases and their homoleptic Zn, Ni, and Cu complexes - Synthesis, structural characterization and DNA binding studies. <i>Journal of Molecular Structure</i> , 2022, 1254, 132365.	1.8	5
28	2-[(E)-2-Hydroxy-3-methoxybenzylidene]-N-methylhydrazinecarbothioamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o61-o61.	0.2	4
29	(2-E)-N-Methyl-2-[(2-E)-3-phenylprop-2-en-1-ylidene]hydrazinecarbothioamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2842-o2842.	0.2	3
30	Novel dioxidomolybdenum complexes containing ONO chelators: Synthesis, physicochemical properties, crystal structures, Hirshfeld surface analysis, DNA binding/cleavage studies, docking, and in vitro cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6334.	1.7	3
31	Synthesis, crystal structure and Hirshfeld surface analysis of an octa-molybdate, dimethylammonium, (E)-N'-(pyridin-2-ylmethylene)acetohydrazide Co-crystal (1:4:2). <i>Journal of Molecular Structure</i> , 2019, 1193, 326-333.	1.8	2
32	Benzo[4,5]imidazo[2,1-b]thiazole-2-carbaldehyde. <i>IUCrData</i> , 2016, 1, .	0.1	2
33	Nucleic Acid Interaction and Photoluminescent Properties of Acylhydrazone and Its Mn(II), Co(II), Cu(II), Zn(II) and Cd(II) Complexes. <i>Chemistry Africa</i> , 2021, 4, 313.	1.2	1
34	Synthesis of Nickel Oxide Nanoparticles from Syzygium cumini Plant Fruit Pulp Extract: Study of their Antibacterial, Antifungal and Cytotoxic Activities on CHO Cells. <i>Asian Journal of Chemistry</i> , 2022, 34, 1735-1741.	0.1	1
35	Synthesis, molecular docking and DNA binding studies of 4-N-substituted hydrazinecarbothioamides. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C448-C448.	0.0	0
36	Synthesis and Characterization of Surfactant Assisted Copper Nanomaterials. <i>Asian Journal of Chemistry</i> , 2020, 32, 2700-2706.	0.1	0