

Srinivasa Budagumpi

List of Publications by Year in descending order

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72
papers

2,857
citations

186265

28
h-index

182427

51
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73
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73
docs citations

73
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Carbene Anchored Molecular Catalysts for Hydrogen Evolution Reactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3793-3803.	3.1	10
2	An efficient, multicomponent synthesis of aminoalkyl naphthols via Betti reaction using ZSM-5 as a recoverable and reusable catalyst. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6316.	3.5	7
3	Metal-Metal Interactions in Bi-, Tri- and Multinuclear Fe, Ru and Os π -Heterocyclic Carbene Complexes and their Catalytic Applications. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4349-4369.	2.0	5
4	Glucose electrocatalysts derived from mono- or dicarbene coordinated nickel(II) complexes and their mesoporous carbon composites. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6446.	3.5	7
5	Coinage Metal Complexes of Chiral π -Heterocyclic Carbene Ligands: Syntheses and Applications in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 970-997.	4.3	45
6	Coumarin incorporated 1,2,4-triazole derived silver(I) π -heterocyclic carbene complexes as efficient antioxidant and antithrombotic agents. <i>Journal of Molecular Liquids</i> , 2020, 301, 112352.	4.9	17
7	Coumarin substituted 4-aryl-1,2,4-triazolium salts and their silver(I) π -heterocyclic carbene complexes: Effects of counterions on the antioxidant and antithrombotic properties. <i>Journal of Molecular Liquids</i> , 2020, 316, 113809.	4.9	15
8	Green synthesis of 3,4-disubstituted isoxazolones using ZnO@Fe ₃ O ₄ core-shell nanocatalyst in water. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5544.	3.5	32
9	Synthesis, characterization, crystal structure and antibacterial properties of N- and O-functionalized (benz)imidazolium salts and their π -heterocyclic carbene silver(I) complexes. <i>Journal of Molecular Structure</i> , 2019, 1196, 627-636.	3.6	20
10	Coumarin-substituted 1,2,4-triazole-derived silver and gold complexes: synthesis, characterization and anticancer studies. <i>New Journal of Chemistry</i> , 2019, 43, 1216-1229.	2.8	52
11	Glucose oxidase mimicking half-sandwich nickel(II) complexes of coumarin substituted π -heterocyclic carbenes as novel molecular electrocatalysts for ultrasensitive and selective determination of glucose. <i>Biosensors and Bioelectronics</i> , 2019, 134, 24-28.	10.1	21
12	Sterically modulated silver(I) complexes of coumarin substituted benzimidazol-2-ylidenes: Synthesis, crystal structures and evaluation of their antimicrobial and anticancer potentials. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 43-57.	3.5	38
13	Benzoxazole and dioxolane substituted benzimidazole-based π -heterocyclic carbene-silver(I) complexes: Synthesis, structural characterization and in vitro antimicrobial activity. <i>Journal of Organometallic Chemistry</i> , 2018, 868, 1-13.	1.8	27
14	Ether and coumarin-functionalized (benz)imidazolium salts and their silver(I) π -heterocyclic carbene complexes: Synthesis, characterization, crystal structures and antimicrobial studies. <i>Journal of Organometallic Chemistry</i> , 2018, 854, 64-75.	1.8	27
15	Olefin poly/oligomerizations by metal precatalysts bearing non-heterocyclic N-donor ligands. <i>Applied Catalysis A: General</i> , 2017, 535, 32-60.	4.3	12
16	Synthesis, structural characterization, crystal structures and antibacterial potentials of coumarin-tethered π -heterocyclic carbene silver(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2017, 833, 28-42.	1.8	24
17	Coumarin-tethered (benz)imidazolium salts and their silver(I) π -heterocyclic carbene complexes: Synthesis, characterization, crystal structure and antibacterial studies. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3770.	3.5	16
18	Synthesis, characterization, crystal structure and in vitro anticancer potentials of mono and bimetallic palladium(II) π -heterocyclic carbene complexes. <i>Inorganic Chemistry Communication</i> , 2017, 75, 41-45.	3.9	17

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19	Synthesis, characterization, crystal structure and biological studies of silver(I) complexes derived from coumarin-tethered N-heterocyclic carbene ligands. <i>Polyhedron</i> , 2017, 123, 470-479.	2.2	25
20	Synthesis, structural investigation and antibacterial studies of non-symmetrically substituted benzimidazole N-heterocyclic carbene-silver(I) complexes. <i>Inorganica Chimica Acta</i> , 2017, 466, 432-441.	2.4	27
21	Mono- and bis-N-heterocyclic carbene silver(I) and palladium(II) complexes: Synthesis, characterization, crystal structure and in vitro anticancer studies. <i>Polyhedron</i> , 2017, 121, 222-230.	2.2	28
22	Synthesis, crystal structures, and in vitro anticancer properties of new N-heterocyclic carbene (NHC) silver(I)- and gold(III)-complexes: a rare example of silver(I)-NHC complex involved in redox transmetalation. <i>RSC Advances</i> , 2016, 6, 60407-60421.	3.6	28
23	Synthesis, Characterization, Crystal Structures, and Catalytic C-C Coupling and Hydrosilylation Reactions of Palladium(II) Complexes Derived from CNC Pincer-Type N-Heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3169-3181.	2.0	19
24	Benzimidazole-based silver(I)-N-heterocyclic carbene complexes as anti-bacterials: synthesis, crystal structures and nucleic acids interaction studies. <i>Applied Organometallic Chemistry</i> , 2015, 29, 126-137.	3.5	28
25	Synthesis, crystal structures, characterization and biological studies of nitrile-functionalized silver(I) N-heterocyclic carbene complexes. <i>Inorganica Chimica Acta</i> , 2015, 433, 35-44.	2.4	30
26	N-heterocyclic carbene metal complexes as bio-organometallic antimicrobial and anticancer drugs. <i>Future Medicinal Chemistry</i> , 2015, 7, 1305-1333.	2.3	141
27	Synthesis, characterization, density function theory and catalytic performances of palladium(II)-N-heterocyclic carbene complexes derived from benzimidazol-2-ylidenes. <i>Inorganica Chimica Acta</i> , 2015, 438, 14-22.	2.4	10
28	Silver(I) complexes of mono- and bidentate N-heterocyclic carbene ligands: Synthesis, crystal structures, and in vitro antibacterial and anticancer studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 82-92.	5.5	107
29	Comprehensive Review in Current Developments of Benzimidazole-Based Medicinal Chemistry. <i>Chemical Biology and Drug Design</i> , 2015, 86, 19-65.	3.2	243
30	Synthesis, Characterization and Ethylene Oligomerization Studies of Nickel Complexes Bearing Novel Bis- λ^2 -diimine Ligands. <i>Catalysis Letters</i> , 2014, 144, 181-191.	2.6	9
31	Synthesis, characterization and crystal structures of silver(I) and gold(I)-N-heterocyclic carbene complexes having benzimidazol-2-ylidene ligands. <i>Journal of Organometallic Chemistry</i> , 2014, 757, 42-50.	1.8	23
32	Topology control in nitrile-functionalized silver(I)-N-heterocyclic carbene complexes: Synthesis, molecular structures, and in vitro anticancer studies. <i>Inorganica Chimica Acta</i> , 2014, 411, 40-47.	2.4	45
33	Sterically modulated palladium(II)-N-heterocyclic carbene complexes for the catalytic oxidation of olefins: Synthesis, crystal structure, characterization and DFT studies. <i>Polyhedron</i> , 2014, 81, 499-510.	2.2	17
34	Sterically modulated binuclear bis- λ^2 -diimine Pd(II) complexes: Synthesis, characterization, DFT studies and catalytic behavior towards ethylene oligomerization. <i>Journal of Molecular Structure</i> , 2014, 1075, 559-565.	3.6	16
35	Binuclear silver(I) complexes of p-xylyl/2,6-lutidinyl linked bis-N-heterocyclic carbene ligands: Synthesis, crystal structures and biological evaluation. <i>Inorganic Chemistry Communication</i> , 2014, 47, 56-59.	3.9	23
36	Chromones as a privileged scaffold in drug discovery: A review. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 340-374.	5.5	379

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37	Silver(I)-N-heterocyclic carbene complexes of nitrile-functionalized imidazol-2-ylidene ligands as anticancer agents. <i>Inorganic Chemistry Communication</i> , 2014, 44, 128-133.	3.9	31
38	Silver(I)-N-heterocyclic carbene complexes of bis-imidazol-2-ylidenes having different aromatic spacers: synthesis, crystal structure, and in vitro antimicrobial and anticancer studies. <i>Applied Organometallic Chemistry</i> , 2013, 27, 465-473.	3.5	28
39	Biologically Relevant Silver(I)-N-Heterocyclic Carbene Complexes: Synthesis, Structure, Intramolecular Interactions, and Applications. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4367-4388.	2.0	108
40	Binuclear meta-xylyl-linked Ag(I)-N-heterocyclic carbene complexes of alkyl/aryl-substituted bis-benzimidazolium salts: synthesis, crystal structures and in vitro anticancer studies. <i>Applied Organometallic Chemistry</i> , 2013, 27, 214-223.	3.5	46
41	Short metal-metal separations and in vitro anticancer studies of a new dinuclear silver(I)-N-heterocyclic carbene complex of para-xylyl-linked bis-benzimidazolium salt. <i>Inorganic Chemistry Communication</i> , 2013, 28, 64-69.	3.9	45
42	Group XII Metal-N-Heterocyclic Carbene Complexes: Synthesis, Structural Diversity, Intramolecular Interactions, and Applications. <i>Organometallics</i> , 2013, 32, 1537-1562.	2.3	99
43	Non-symmetrically substituted N-heterocyclic carbene-Ag(I) complexes of benzimidazol-2-ylidenes: Synthesis, crystal structures, anticancer activity and transmetallation studies. <i>Inorganica Chimica Acta</i> , 2013, 394, 519-525.	2.4	53
44	Coordination diversity of Ag(I) and Hg(II) towards symmetrically and non-symmetrically substituted imidazol-2-ylidenes: Synthesis, crystal structures, nitrile reactivity, and Hofmann-type elimination studies. <i>Polyhedron</i> , 2013, 49, 200-206.	2.2	21
45	Oxidative Dimerization of o-Aminophenol by Heterogeneous Mesoporous Material Modified with Biomimetic Salen-Type Copper(II) Complex. <i>Catalysis Letters</i> , 2013, 143, 282-288.	2.6	32
46	Sterically tuned Ag(i)- and Pd(ii)-N-heterocyclic carbene complexes of imidazol-2-ylidenes: synthesis, crystal structures, and in vitro antibacterial and anticancer studies. <i>Metallomics</i> , 2013, 5, 760.	2.4	53
47	Nitrile-functionalized Hg(II) and Ag(I)-N-heterocyclic carbene complexes: synthesis, crystal structures, nuclease and DNA binding activities. <i>Applied Organometallic Chemistry</i> , 2012, 26, 689-700.	3.5	43
48	4-Aminoantipyrine-based Schiff-base transition metal complexes as potent anticonvulsant agents. <i>Medicinal Chemistry Research</i> , 2012, 21, 2273-2279.	2.4	34
49	New Hg(II)-N-heterocyclic carbene complexes of compartmental ligands with a suitable topology for a 1-arene-Hg(II) close interaction. <i>Polyhedron</i> , 2012, 42, 18-23.	2.2	14
50	Ag(I)-N-heterocyclic carbene complexes of N-allyl substituted imidazol-2-ylidenes with ortho-, meta- and para-xylyl spacers: Synthesis, crystal structures and in vitro anticancer studies. <i>Inorganic Chemistry Communication</i> , 2012, 22, 113-119.	3.9	57
51	Stereochemical and structural characteristics of single- and double-site Pd(II)-N-heterocyclic carbene complexes: Promising catalysts in organic syntheses ranging from CC coupling to olefin polymerizations. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1787-1830.	18.8	157
52	Cationic nitrile-functionalized Ag(I) and Hg(II)-N-heterocyclic carbene complexes of CCC, CNC, and NCN pincer-type carbene ligands: Synthesis, crystal structures, and characterization. <i>Heteroatom Chemistry</i> , 2012, 23, 486-497.	0.7	24
53	Mercury(II)- and silver(I)-N-heterocyclic carbene complexes of CNC pincer-type ligands: Synthesis, crystal structures and Hofmann-type elimination studies. <i>Inorganica Chimica Acta</i> , 2012, 392, 61-72.	2.4	33
54	Coordination chemistry of a new tetranucleating 26-membered polyaza macropolycyclic ligand and a novel phenolate/phthalazine-bridged copper(II) and zinc(II) complexes. <i>Supramolecular Chemistry</i> , 2011, 23, 342-350.	1.2	1

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55	Pyrazole bridged binuclear transition metal complexes: Synthesis, characterization, antimicrobial activity and DNA binding/cleavage studies. <i>Journal of Molecular Structure</i> , 2011, 1006, 580-588.	3.6	53
56	Catalytic and coordination facets of single-site non-metallocene organometallic catalysts with N-heterocyclic scaffolds employed in olefin polymerization. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2785-2809.	18.8	65
57	Ethylene Oligomerizations by Diazene Bridged Ni(II) Catalysts Derived from Pyrazole-Scaffold-Based Binucleating Ligands with Alkyl and Aryl Pendant Arms. <i>Catalysis Letters</i> , 2011, 141, 1219-1227.	2.6	8
58	Exploration on structure and anticonvulsant activity of transition metal complexes derived from an end-off compartmental bis-quinoxaline derivative with phthalazinyl-diazine as endogenous bridge. <i>Monatshefte für Chemie</i> , 2011, 142, 487-494.	1.8	11
59	Synthesis, characterization, antibiogram and DNA binding studies of novel Co(II), Ni(II), Cu(II), and Zn(II) complexes of Schiff base ligands with quinoline core. <i>Medicinal Chemistry Research</i> , 2011, 20, 421-429.	2.4	34
60	Synthesis of and ethylene oligomerization with binuclear palladium catalysts having sterically modulated bis-imine ligands with methylene spacer. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1887-1894.	1.8	8
61	Transition metal complexes of pyrazole head 24-membered polyazamacrocyclic bimetal cores: synthesis, characterization, electrochemistry and spectral study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 66, 327-333.	1.6	14
62	Bi- and tetranuclear ligational deeds of a polyaza macrocycle having four diazine (N ₂) bridging components headed for CoII, NiII, CuII and ZnII ions: An emphasis on electrochemistry of non-innocent ligand system. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 67, 217-223.	1.6	7
63	Interaction of E. coli DNA with diazine-bridged late first row transition metal complexes derived from hexadentate compartmental ligands: an approach to DNA cleavage/binding studies. <i>Transition Metal Chemistry</i> , 2010, 35, 649-658.	1.4	22
64	Metal-pyrazolyl diazine interaction: Synthesis, structure and electrochemistry of binuclear transition metal(II) complexes derived from an end-off compartmental Schiff base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 184-188.	3.9	10
65	Construction of mononuclear transition metal(II) complexes with bi- and tridentate, neutral hydrazone ligands with a quinoxaline hub. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2172-2180.	2.2	9
66	Spectroscopy, structure, and electrochemistry of transition metal complexes having [M ₂ N ₂ OS ₂] coordination sphere. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3301-3312.	2.2	8
67	Spectroscopy, Electrochemistry, and Structure of 3d-Transition Metal Complexes of Thiosemicarbazones with Quinoline Core: Evaluation of Antimicrobial Property. <i>Spectroscopy Letters</i> , 2010, 43, 235-246.	1.0	19
68	Versatility in the coordination behavior of a hexatopic compartmental Schiff-base ligand in the architecture of binuclear transition metal(II) complexes. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1430-1439.	2.2	7
69	Synthesis and spectroscopy of Co II, Ni II, Cu II and Zn II complexes derived from 3,5-disubstituted-1 H-pyrazole derivative: A special emphasis on DNA binding and cleavage studies. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 455-462.	5.5	56
70	Binuclear transition metal complexes of bicompartamental SNO donor ligands: synthesis, characterization, and electrochemistry. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1451-1461.	2.2	17
71	Ligational behavior of a bidentate coumarin derivative towards Co ^{II} , Ni ^{II} , and Cu ^{II} : synthesis, characterization, electrochemistry, and antimicrobial studies. <i>Journal of Coordination Chemistry</i> , 2009, 62, 3961-3968.	2.2	29
72	Copper (II)- β -Cyclodextrin Promoted Kabachnik-Fields Reaction: An Efficient, One-Pot Synthesis of β -Aminophosphonates. <i>Topics in Catalysis</i> , 0, , 1.	2.8	11