

Rengan Ramesh

List of Publications by Year in descending order

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39
papers

1,547
citations

331259

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docs citations

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1072
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#	ARTICLE	IF	CITATIONS
1	Ruthenium(II) arene complexes containing benzhydrazone ligands: synthesis, structure and antiproliferative activity. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1245-1255.	3.0	158
2	Synthesis and structure of new binuclear ruthenium(II) arene benzil bis(benzoylhydrazone) complexes: investigation on antiproliferative activity and apoptosis induction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 585-596.	3.0	150
3	Investigation into antiproliferative activity and apoptosis mechanism of new arene Ru(II) carbazole-based hydrazone complexes. <i>Dalton Transactions</i> , 2020, 49, 11385-11395.	1.6	138
4	Synthesis and Structure of Arene Ru(II) N ² O-Chelating Complexes: <i>In Vitro</i> Cytotoxicity and Cancer Cell Death Mechanism. <i>Organometallics</i> , 2020, 39, 1366-1375.	1.1	137
5	Synthesis and molecular structure of arene ruthenium(II) benzhydrazone complexes: impact of substitution at the chelating ligand and arene moiety on antiproliferative activity. <i>New Journal of Chemistry</i> , 2016, 40, 9813-9823.	1.4	130
6	Synthesis, antiproliferative activity and apoptosis-promoting effects of arene ruthenium(II) complexes with N, O chelating ligands. <i>Journal of Organometallic Chemistry</i> , 2018, 859, 124-131.	0.8	108
7	Synthesis and structure of nickel(II) thiocarboxamide complexes: effect of ligand substitutions on DNA/protein binding, antioxidant and cytotoxicity. <i>RSC Advances</i> , 2015, 5, 46760-46773.	1.7	69
8	Ruthenium(II) carbonyl complexes containing benzhydrazone ligands: synthesis, structure and facile one-pot conversion of aldehydes to amides. <i>RSC Advances</i> , 2012, 2, 4515.	1.7	62
9	Nickel(II) N ² O Pincer Type Complex-Catalyzed N-alkylation of Amines with Alcohols via the Hydrogen Autotransfer Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 7125-7135.	1.7	49
10	Palladium(II) thiocarboxamide complexes: synthesis, characterisation and application to catalytic Suzuki coupling reactions. <i>Dalton Transactions</i> , 2012, 41, 5351.	1.6	47
11	Direct Synthesis of Amides from Coupling of Alcohols and Amines Catalyzed by Ruthenium(II) Thiocarboxamide Complexes under Aerobic Conditions. <i>Organometallics</i> , 2014, 33, 4269-4278.	1.1	43
12	Ruthenium(II) half-sandwich complexes containing thioamides: Synthesis, structures and catalytic transfer hydrogenation of ketones. <i>Journal of Organometallic Chemistry</i> , 2013, 723, 26-35.	0.8	40
13	Direct synthesis of imines from primary alcohols and amines using an active ruthenium(II) NNN-pincer complex. <i>Tetrahedron Letters</i> , 2014, 55, 5504-5507.	0.7	35
14	Synthesis, molecular structure and electrochemical properties of nickel(II) benzhydrazone complexes: influence of ligand substitution on DNA/protein interaction, antioxidant activity and cytotoxicity. <i>RSC Advances</i> , 2015, 5, 101932-101948.	1.7	30
15	Synthesis and structure of arene ruthenium(II) benzhydrazone complexes: Antiproliferative activity, apoptosis induction and cell cycle analysis. <i>Journal of Organometallic Chemistry</i> , 2018, 862, 95-104.	0.8	29
16	Synthesis, structure and anticancer activity of (1,6-benzene) ruthenium(II) complexes containing aroylhydrazone ligands. <i>Journal of Organometallic Chemistry</i> , 2016, 807, 45-51.	0.8	26
17	An efficient trifunctional benzhydrazone ligated Pd(II) complex for Heck reaction of aryl bromides. <i>Tetrahedron Letters</i> , 2015, 56, 4170-4174.	0.7	24
18	Efficient and recyclable Ru(II) arene thioamide catalysts for transfer hydrogenation of ketones: Influence of substituent on catalytic outcome. <i>Journal of Organometallic Chemistry</i> , 2016, 808, 68-77.	0.8	22

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19	Synthesis and Structures of Arene Ruthenium (II)â€NHC Complexes: Efficient Catalytic Î±â€Alkylation of ketones via Hydrogen Auto Transfer Reaction. Applied Organometallic Chemistry, 2019, 33, e4696.	1.7	22
20	Non-Pincer-Type Arene Ru(II) Catalysts for the Direct Synthesis of Azines from Alcohols and Hydrazine under Aerobic Conditions. Organometallics, 2020, 39, 3194-3201.	1.1	22
21	Synthesis and characterisation of cycloruthenated benzhydrazone complexes: catalytic application to selective oxidative cleavage of olefins to aldehydes. RSC Advances, 2016, 6, 97107-97115.	1.7	21
22	Synthesis and structure of arene ruthenium(II) complexes: Oneâ€Pot catalytic approach to synthesis of bioactive quinolines under mild conditions. Applied Organometallic Chemistry, 2018, 32, e4582.	1.7	21
23	Palladium(II) N^O Chelating Complexes Catalyzed One-Pot Approach for Synthesis of Quinazolin-4(3<i>H</i>)-ones via Acceptorless Dehydrogenative Coupling of Benzyl Alcohols and 2-Aminobenzamide. Organometallics, 2021, 40, 725-734.	1.1	21
24	Oneâ€Pot Catalytic Approach for the Selective Aerobic Synthesis of Imines from Alcohols and Amines Using Efficient Arene Diruthenium(II) Catalysts under Mild Conditions. European Journal of Organic Chemistry, 2017, 2017, 6726-6733.	1.2	20
25	Highly efficient palladium(<sc>ii</sc>) hydrazone based catalysts for the Suzuki coupling reaction in aqueous medium. RSC Advances, 2016, 6, 52101-52112.	1.7	18
26	Direct synthesis of 2,4,5-trisubstituted imidazoles from primary alcohols by diruthenium(<sc>ii</sc>) catalysts under aerobic conditions. Organic and Biomolecular Chemistry, 2019, 17, 1402-1409.	1.5	18
27	Versatile coordination ability of thioamide ligand in Ru(<sc>ii</sc>) complexes: synthesis, computational studies, in vitro anticancer activity and apoptosis induction. New Journal of Chemistry, 2017, 41, 9130-9141.	1.4	13
28	The Tandem Câ€H/Nâ€H Activation of <i>N</i>-Methyl Arylamide Catalyzed by Dinuclear Pd(II) Benzhydrazone Complex: A Concise Access to Phenanthridinone. Organometallics, 2019, 38, 319-328.	1.1	12
29	NNO Pincer Ligand-Supported Palladium(II) Complexes: Direct Synthesis of Quinazolines via Acceptorless Double Dehydrogenative Coupling of Alcohols. Organometallics, 2022, 41, 1314-1324.	1.1	11
30	Palladium(<sc>ii</sc>) <i>N</i>,<i>N</i>,<i>O</i>-pincer type complex-mediated dehydrogenative coupling of alcohols to quinazolines. New Journal of Chemistry, 2021, 45, 16572-16580.	1.4	10
31	Assessment of antiproliferative activity of new halfâ€sandwich arene Ru (II) furylbenzhydrazone complexes. Applied Organometallic Chemistry, 2022, 36, e6512.	1.7	8
32	Nickel(II)â€Catalyzed Selective<i>(E)</i>â€Olefination of Methyl Heteroarenes Using Benzyl Alcohols via Acceptorless Dehydrogenative Coupling Reaction. ChemCatChem, 2022, 14, .	1.8	7
33	Cavitand Chemistry: Nickel Half-Sandwich Complexes with Imidazolylidene Ligands Bearing One or Two Resorcinarenyl Substituents. European Journal of Inorganic Chemistry, 2018, 2018, 890-896.	1.0	6
34	Arene diruthenium(II)â€mediated synthesis of imines from alcohols and amines under aerobic condition. Applied Organometallic Chemistry, 2021, 35, e6122.	1.7	5
35	Concise access to perimidines by palladium (II) complexes via acceptorless dehydrogenative coupling of alcohols. Applied Organometallic Chemistry, 0, , .	1.7	4
36	Efficient construction of Câ€C bonds from aryl halides/aryl esters with arylboronic acids catalysed by palladium(II) thiourea complexes. Applied Organometallic Chemistry, 2019, 33, e5181.	1.7	3

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37	Synthesis of the First Resorcin[4]arene-Functionalized Triazolium Salts and Their Use in Suzuki–Miyaura Cross-Coupling Reactions. <i>Catalysts</i> , 2019, 9, 388.	1.6	3
38	N ^N O hydrazone capped pincer type palladium complex catalysed construction of quinazolinones from alcohols. <i>Inorganic Chemistry Communication</i> , 2022, 137, 109190.	1.8	3
39	Ru(II)–NNO pincer-type complexes catalysed E–olefination of alkyl-substituted quinolines/pyrazines utilizing primary alcohols. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	2