

Amrendra K Singh

List of Publications by Year in descending order

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25
papers

418
citations

840776

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#	ARTICLE	IF	CITATIONS
1	Selective and Recyclable Congo Red Dye Adsorption by Spherical Fe ₃ O ₄ Nanoparticles Functionalized with 1,2,4,5-Benzenetetracarboxylic Acid. <i>Scientific Reports</i> , 2020, 10, 111.	3.3	100
2	A Heterobimetallic Fe ^{III} Mn ^{II} Complex of an Unsymmetrical Dinucleating Ligand: A Structural and Functional Model Complex for the Active Site of Purple Acid Phosphatase of Sweet Potato. <i>European Journal of Inorganic Chemistry</i> , 2014, 2204-2212.	2.0	35
3	Coupling Reactions of Ferrocenylacetylene with Mononuclear Metal Carbonyls Fe(CO) ₅ and M(CO) ₆ (M = Mo, W): Synthesis and Characterization of [Fe(CO) ₂ {1,5-2,5-Fc2C ₅ H ₂ CO}C(Fc)CH], [Fe(CO) ₂ {1,2-2,5-Fc2C ₄ H ₂ Fe(CO) ₃ }-1/4-CO], [Fe(CO) ₃ {1,2-2,5-Fc2C ₄ H ₂ CO}], 1,2,4-Triferrocenylbenzene, 2,5-Diferrocenylthiophene, and 2,5-Diferrocenylselenophene. <i>Organometallics</i> , 2005, 24, 4793-4798.	2.3	34
4	Towards the catalytic formation of $\hat{1}\pm, \hat{1}^2$ -vinylesters and alkoxy substituted $\hat{1}^3$ -lactones. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2687-2694.	1.8	29
5	Effective donor abilities of E-t-Bu and EPh (E = O, S, Se, Te) to a high valent transition metal. <i>Dalton Transactions</i> , 2014, 43, 12299.	3.3	26
6	Transformation of Battery to High Performance Pseudocapacitor by the Hybridization of W ₁₈ O ₄₉ with RuO ₂ Nanostructures. <i>Langmuir</i> , 2021, 37, 1141-1151.	3.5	26
7	A complex with nitrogen single, double, and triple bonds to the same chromium atom: synthesis, structure, and reactivity. <i>Chemical Science</i> , 2016, 7, 2532-2536.	7.4	20
8	A 4-coordinate Ru(II) imido: unusual geometry, synthesis, and reactivity. <i>Chemical Communications</i> , 2013, 49, 10799.	4.1	19
9	CAACs as efficient ancillary ligands for the synthesis of robust catalysts. <i>Journal of Organometallic Chemistry</i> , 2021, 956, 122133.	1.8	18
10	Formation of N-Methylated Cyclic Ligand Systems from Unusual Reactions between Trimethylamine N-Oxide and Acetylenes on Fe ₃ Te ₂ (CO) ₉ and Contrast with Reactions on Fe ₃ E ₂ (CO) ₉ (E = S, Se). <i>Organometallics</i> , 2008, 27, 5094-5098.	2.3	16
11	Photochemical reactions of Fe(CO) ₅ with FcCCH in the presence of S-powder and CS ₂ : Synthesis and characterization of [1/4-SC(H)C(Fc)S}(CO) ₆ Fe ₂], [1/4-SC(O)C(H)C(Fc)S}(CO) ₆ Fe ₂]; cis-[1/4-1:1:1:1-1-{C(Fc)C(H)CS ₂ C(H)C(Fc)}(CO) ₆ Fe ₂] and trans-[1/4-1:1:1:1-1-{C(Fc)C(H)CS ₂ C(Fc)C(H)}(CO) ₆ Fe ₂]. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3336-3342.	1.8	15
12	Metal carbonyl-promoted reactions of ferrocenylacetylene with sulfur to form thiophene, dithiine, thioketone and vinylthioketone derivatives. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 950-954.	1.8	10
13	Cationic ruthenium(II) NHC pincer complexes: Synthesis, characterisation and catalytic activity for transfer hydrogenation of ketones. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6287.	3.5	9
14	Photochemical reactions of 1-ferrocenyl-4-phenyl-1,3-butadiyne with Fe(CO) ₅ and CO. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1986-1992.	1.8	8
15	Synthesis, Characterization and Catalytic Activity Studies of Rhenium Carbonyl Complexes Containing Chiral Diphosphines of the Josiphos and Walphos Families. <i>Journal of Cluster Science</i> , 2015, 26, 1231-1252.	3.3	8
16	Fe(CO) ₅ Catalyzed [2+2+1] Cycloaddition of Alkyne, Carbodiimide and CO for the Synthesis of 5-Iminopyrrolones. <i>ChemistrySelect</i> , 2017, 2, 9245-9248.	1.5	8
17	Electronic and Structural Comparisons between Iron(II/III) and Ruthenium(II/III) Imide Analogs. <i>Inorganic Chemistry</i> , 2019, 58, 11699-11715.	4.0	8
18	Diastereomeric control of enantioselectivity: evidence for metal cluster catalysis. <i>Chemical Communications</i> , 2014, 50, 7705-7708.	4.1	7

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19	Cationic ruthenium(II)-NHC pincer complexes with hemilabile COD: Solid-state structural characterization and theoretical study of an η^2 -(E,Z)-COD ligand. <i>Journal of Organometallic Chemistry</i> , 2021, 953, 122061.	1.8	7
20	Asymmetric hydrogenation of an η^2 -unsaturated carboxylic acid catalyzed by intact chiral transition metal carbonyl clusters – diastereomeric control of enantioselectivity. <i>Dalton Transactions</i> , 2020, 49, 4244-4256.	3.3	4
21	Ancillary ligand effects and microwave-assisted enhancement on the catalytic performance of cationic ruthenium(II)-NHC pincer complexes for acceptorless alcohol dehydrogenation. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	4
22	Synthetic and Structural Study on Orthometallated Ferrocene Complexes: Non-Planar Metallabenzene and Five-Membered Metallacycle Complexes with Closed Os ₃ Triangles. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3126-3130.	2.0	3
23	Coordination behaviour of 2-(Methylthio)Pyrazine with Ag(I) in the presence of different counter anions and emission properties. <i>Polyhedron</i> , 2019, 169, 8-13.	2.2	3
24	Unusual demetalation of iron from [2]ferrocenophane skeleton of dinuclear ferracycle carbonyl complex. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5431.	3.5	1
25	$[\frac{1}{4}$ -Bis(diphenylphosphanyl- η^5 P)methane]decacarbonyltris- η^5 -hydrido-trirhenium(I)(3Re \rightarrow Re) dichloromethane solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1816-m1816.	0.2	0