

Ashish Kumar Singh

List of Publications by Year in descending order

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201385

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#	ARTICLE	IF	CITATIONS
1	Ternary copper molybdenum sulfide (Cu ₂ MoS ₄) nanoparticles anchored on PANI/rGO as electrocatalysts for oxygen evolution reaction (OER). Applied Organometallic Chemistry, 2022, 36, .	1.7	4
2	Phase-controlled solvothermal syntheses and oxygen evolution reaction (OER) activity of nickel sulfide nanoparticles obtained from 1,2-bis(diphenylphosphino)ethane nickel(II) acetylacetonatedithiolate. New Journal of Chemistry, 2022, 46, 10246-10255.	1.4	4
3	Ferrocenyl thiazolidine-2-thione ornamented 1D coordination polymers derived from coinage metal halides and pseudohalides. CrystEngComm, 2021, 23, 7794-7804.	1.3	0
4	Ni(II) dithiolate anion composites with two-dimensional materials for electrochemical oxygen evolution reactions (OERs). New Journal of Chemistry, 2021, 45, 16264-16270.	1.4	7
5	Syntheses, design strategies, and photocatalytic charge dynamics of metal-organic frameworks (MOFs): a catalyzed photo-degradation approach towards organic dyes. Catalysis Science and Technology, 2021, 11, 3946-3989.	2.1	134
6	Lanthanide based double perovskites: Bifunctional catalysts for oxygen evolution/reduction reactions. International Journal of Hydrogen Energy, 2021, 46, 17163-17172.	3.8	20
7	Fe-doped MoS ₂ nanomaterials with amplified peroxidase mimetic activity for the colorimetric detection of glutathione in human serum. Materials Chemistry and Physics, 2021, 267, 124684.	2.0	33
8	Syntheses, characterization and oxygen evolution reaction (OER) electrocatalytic properties of M(II) based bromo-salophen complexes. Journal of Molecular Structure, 2021, 1243, 130928.	1.8	5
9	Recent developments in luminescent coordination polymers: Designing strategies, sensing application and theoretical evidences. Coordination Chemistry Reviews, 2020, 406, 213145.	9.5	366
10	Polyaniline stabilized activated carbon from Eichhornia Crassipes: Potential charge storage material from bio-waste. Renewable Energy, 2020, 162, 2285-2296.	4.3	13
11	Tertiary phosphine-appended transition metal ferrocenyl dithiocarbamates: Syntheses, Hirshfeld surface, and electrochemical analyses. Applied Organometallic Chemistry, 2020, 34, e5879.	1.7	5
12	New 1D diorganotin(IV) dithiolate coordination polymers: crystallographic, computational, Hirshfeld surface and thermal analyses. CrystEngComm, 2020, 22, 2049-2059.	1.3	29
13	Vanadium doped few-layer ultrathin MoS ₂ nanosheets on reduced graphene oxide for high-performance hydrogen evolution reaction. RSC Advances, 2019, 9, 22232-22239.	1.7	41
14	Modular construction, magnetism and photocatalytic properties of two new metal-organic frameworks based on a semi-rigid tetracarboxylate ligand. Journal of Solid State Chemistry, 2019, 277, 673-679.	1.4	17
15	Logic gate behavior and intracellular application of a fluorescent molecular switch for the detection of Fe ³⁺ and cascade sensing of F ⁻ in pure aqueous media. Organic and Biomolecular Chemistry, 2019, 17, 7497-7506.	1.5	15
16	Studies on some spinel oxides based electrocatalysts for oxygen evolution and capacitive applications. Electrochimica Acta, 2019, 320, 134584.	2.6	27
17	Synthesis of colloidal MoS _x nanoparticles and their transformation into carbon supported MoS ₂ nanocomposite. AIP Conference Proceedings, 2019, , .	0.3	0
18	MOF derived Co/C and Co ₃ O ₄ /C polyhedron for hydrogen evolution reaction. AIP Conference Proceedings, 2019, , .	0.3	2

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19	A pyrene-thiophene based probe for aggregation induced emission enhancement (AIEE) and naked-eye detection of fluoride ions. <i>Journal of Luminescence</i> , 2019, 215, 116704.	1.5	19
20	Photoluminescence behaviour of a stimuli responsive Schiff base: Aggregation induced emission and piezochromism. <i>Dyes and Pigments</i> , 2019, 160, 731-739.	2.0	27
21	Syntheses of nickel sulfides from 1,2-bis(diphenylphosphino)ethane nickel(II)dithiolates and their application in the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5985-5995.	3.8	18
22	Copper(II) tertiary phosphine xanthate complexes as single source precursors for copper sulfide and their application in the OER. <i>New Journal of Chemistry</i> , 2018, 42, 18759-18764.	1.4	13
23	Facile synthesis of BSCF perovskite oxide as an efficient bifunctional oxygen electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 20671-20679.	3.8	22
24	Study of the Capacitive Behavior of MOF-Derived Nanocarbon Polyhedra. <i>ChemistrySelect</i> , 2018, 3, 6107-6111.	0.7	7
25	Synthesis of Zn-MoO_3 nanofibers for enhanced field-emission properties. <i>Advanced Materials Letters</i> , 2018, 9, 585-589.	0.3	28
26	1,2-Bis(diphenylphosphino)ethane nickel(II) O,O'-dialkyldithiophosphates as potential precursors for nickel sulfides. <i>New Journal of Chemistry</i> , 2017, 41, 1327-1333.	1.4	15
27	A dihydrazone based fluorescent probe for selective determination of Al^{3+} ions in aqueous ethanol. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 128-137.	4.0	44
28	Facile Synthesis of MoS_2 and MoS_2/GO Composite: Excellent Electrocatalyst for Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2017, 2, 11590-11598.	0.7	11
29	Ferrocenyl chalcones with phenolic and pyridyl anchors as potential sensitizers in dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 97664-97675.	1.7	28
30	Hydrogen energy future with formic acid: a renewable chemical hydrogen storage system. <i>Catalysis Science and Technology</i> , 2016, 6, 12-40.	2.1	433
31	Synthesis, structural investigations and corrosion inhibition studies on Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes with 2-amino-benzoic acid (phenyl-pyridin-2-yl-methylene)-hydrazide. <i>RSC Advances</i> , 2015, 5, 45217-45230.	1.7	47
32	Versatile coordination behaviour of a multi-dentate Schiff base with manganese(II), copper(II) and zinc(II) ions and their corrosion inhibition study. <i>Inorganica Chimica Acta</i> , 2015, 425, 36-45.	1.2	31
33	Synthesis, structural and corrosion inhibition studies on Mn(II), Cu(II) and Zn(II) complexes with a Schiff base derived from 2-hydroxypropiophenone. <i>Polyhedron</i> , 2014, 77, 57-65.	1.0	49
34	Recent advances in supramolecular and biological aspects of arene ruthenium(II) complexes. <i>Coordination Chemistry Reviews</i> , 2014, 270-271, 31-56.	9.5	184
35	Highly-dispersed surfactant-free bimetallic Ni-Pt nanoparticles as high-performance catalyst for hydrogen generation from hydrous hydrazine. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9128-9134.	3.8	59
36	Dendrimer-Encapsulated Bimetallic Pt-Ni Nanoparticles as Highly Efficient Catalysts for Hydrogen Generation from Chemical Hydrogen Storage Materials. <i>ChemCatChem</i> , 2013, 5, 2248-2252.	1.8	55

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37	Synthesis, structural and corrosion inhibition properties of some transition metal(II) complexes with o-hydroxyacetophenone-2-thiophenyl hydrazone. <i>Polyhedron</i> , 2013, 65, 73-81.	1.0	55
38	Metal-Organic Framework Supported Bimetallic Ni ₂ Pt Nanoparticles as High-performance Catalysts for Hydrogen Generation from Hydrazine in Aqueous Solution. <i>ChemCatChem</i> , 2013, 5, 3000-3004.	1.8	73
39	Synergistic Catalysis over Bimetallic Alloy Nanoparticles. <i>ChemCatChem</i> , 2013, 5, 652-676.	1.8	560
40	Palladium silica nanosphere-catalyzed decomposition of formic acid for chemical hydrogen storage. <i>Journal of Materials Chemistry</i> , 2012, 22, 19146.	6.7	85
41	The synergistic effect of Rh-Ni catalysts on the highly-efficient dehydrogenation of aqueous hydrazine borane for chemical hydrogen storage. <i>Chemical Communications</i> , 2012, 48, 11945.	2.2	66
42	Temperature-induced selectivity enhancement in hydrogen generation from Rh-Ni nanoparticle-catalyzed decomposition of hydrous hydrazine. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18915-18919.	3.8	58
43	Noble-Metal-Free Bimetallic Nanoparticle-Catalyzed Selective Hydrogen Generation from Hydrous Hydrazine for Chemical Hydrogen Storage. <i>Journal of the American Chemical Society</i> , 2011, 133, 19638-19641.	6.6	303
44	Fluorescent Zinc(II) Complex Exhibiting On-Off-On-Switching Toward Cu ²⁺ and Ag ⁺ Ions. <i>Inorganic Chemistry</i> , 2011, 50, 3189-3197.	1.9	118
45	Bio-catalysts and catalysts based on ruthenium(II) polypyridyl complexes imparting diphenyl-(2-pyridyl)-phosphine as a co-ligand. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3454-3464.	0.8	29
46	Synthesis and Characterization of 3d Metal Complexes Based on 1-(4-Nitrophenyl)imidazole. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 205-210.	2.0	2
47	Synthesis and characterization of ruthenium(II) complexes based on diphenyl-2-pyridylphosphine and their applications in transfer hydrogenation of ketones. <i>Inorganica Chimica Acta</i> , 2011, 368, 124-131.	1.2	27
48	Heteroleptic half-sandwich Ru(II), Rh(III) and Ir(III) complexes based on 5-ferrocenyldipyrromethene. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 758-763.	0.8	17
49	Synthetic, Spectral, Structural, and Catalytic Aspects of Some Piano-Stool Complexes Containing 2-(Diphenylphosphanylethyl)pyridine. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 704-715.	1.0	23
50	Synthesis, characterisation and theoretical studies on some piano-stool ruthenium and rhodium complexes containing substituted phenyl imidazole ligands. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 567-573.	0.8	28
51	Synthesis and characterization of some novel ruthenium(II) complexes containing thiolate ligands. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 994-1001.	0.8	7
52	Synthesis and characterization of complexes imparting N-pyridyl bonded meso-pyridyl substituted dipyrromethanes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 841-849.	0.8	11
53	Half-sandwich ruthenium, rhodium and iridium complexes containing dipyridyl amine based ligands. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1932-1939.	0.8	11
54	Synthesis and characterization of Ru(IV) and Rh(I) complexes containing phenylimidazole ligands. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1924-1931.	0.8	6

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55	Synthesis, characterization and reactivity of arene ruthenium compounds based on 2,2'-dipyridylamine and di-2-pyridylbenzylamine and their applications in catalytic hydrogen transfer of ketones. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2205-2212.	0.8	26
56	Extended molecular networks based on Zn and Cd imparting N-substituted imidazole. <i>Inorganica Chimica Acta</i> , 2010, 363, 995-1000.	1.2	8
57	New ruthenium(II) thiolato complexes: Synthesis, reactivity, spectral, structural and DFT studies. <i>Inorganica Chimica Acta</i> , 2010, 363, 2095-2103.	1.2	7
58	Novel structures based on 1-(4-cyanophenyl)-imidazole resulting from weak bonding interactions. <i>Journal of Molecular Structure</i> , 2009, 935, 1-7.	1.8	4
59	Synthesis and reactivity of homo-bimetallic Rh and Ir complexes containing a N,O-donor Schiff base. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3084-3090.	0.8	12
60	Structures, preparation and catalytic activity of ruthenium cyclopentadienyl complexes based on pyridyl-phosphine ligand. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3643-3652.	0.8	23
61	Synthesis, and characterization of ruthenium(II) polypyridyl complexes containing α -amino acids and its DNA binding behavior. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3570-3579.	0.8	27
62	First Examples of Heteroleptic Dipyrrin/ η^5 -Pentamethylcyclopentadienyl Rhodium/Iridium(III) Complexes and Their Catalytic Activity. <i>Organometallics</i> , 2009, 28, 4713-4723.	1.1	55
63	Heteroleptic Arene Ruthenium Complexes Based on <i>meso</i> -Substituted Dipyrrins: Synthesis, Structure, Reactivity, and Electrochemical Studies. <i>Inorganic Chemistry</i> , 2009, 48, 7593-7603.	1.9	42
64	First examples of homo-/heteroleptic bi-/tri-nuclear complexes containing 5-ferrocenyldipyrromethene. <i>Dalton Transactions</i> , 2009, , 9929.	1.6	18
65	Ruthenium Complexes Containing Pyridine-2-carbaldehyde Azine as a Synthone in the Synthesis of Bi-/Trimetallic Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 5666-5673.	1.0	10