

Shu-Zhong Zhan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A nickel complex of 2,2-dicyanoethylene-1,1-dithiolate, a catalyst for electrochemical and photochemical driven hydrogen evolution. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 533-541.	1.6	0
2	Effect of metal centers of complexes bearing bipyridine ligand for electrochemical and photochemical driven hydrogen evolution. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6453.	3.5	6
3	A Water Soluble Cobalt(II) Complex with 1,10-Phenanthroline, a Catalyst for Visible-Light-Driven Reduction of CO ₂ to CO with High Selectivity. <i>Catalysis Letters</i> , 2022, 152, 1961-1968.	2.6	3
4	An infinite chain, {[Ni(tn) ₂] ₃ [Fe(CN) ₄ (1/4-CN) ₂] _n }, a new catalyst for electrochemical-driven water splitting and photochemical-driven hydrogen evolution from water under blue light. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 2279-2292.	7.1	1
5	Impact of oxidation state of metal on electro-catalyzed hydrogen production by cobalt complexes of N-phenylpyridin-2-ylmethanimine. <i>Journal of Coordination Chemistry</i> , 2021, 74, 864-876.	2.2	0
6	Effects of halogen ligands of complexes supported by bis(methylthioether)pyridine on catalytic activities for electrochemical and photochemical driven hydrogen evolution. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6201.	3.5	2
7	Electrocatalytic hydrogen evolution by cobalt triaryl corroles with appended ester and carboxyl on the 10-phenyl group. <i>Journal of Coordination Chemistry</i> , 2021, 74, 1414-1424.	2.2	10
8	Synthesis, structures, characterizations and catalytic behaviors for hydrogen evolution of copper(II) and copper(I) complexes supported by diiminodiphosphines. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108719.	3.9	3
9	A new catalyst based on a nickel(II) complex of diiminodiphosphine for hydrogen evolution and oxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 32480-32489.	7.1	15
10	Synthesis, structure, characterization, EPR investigation and catalytic behavior for hydrogen evolution of a bis(thiosemicarbazonato)-palladium complex. <i>Polyhedron</i> , 2021, 208, 115426.	2.2	4
11	A nickel(II) complex of 2,6-pyridinedicarboxylic acid ion, an efficient electro-catalyst for both hydrogen evolution and oxidation. <i>Molecular Catalysis</i> , 2021, 516, 111947.	2.0	2
12	Electrochemical-driven water reduction and oxidation catalyzed by an iron(III) complex supported by a N ₂ O ₂ ligand. <i>Journal of Electroanalytical Chemistry</i> , 2021, 906, 115895.	3.8	1
13	Synthesis, characterization, magnetic anisotropy and catalytic behaviors of a cobalt complex of S,S'-bis(2-pyridylmethyl)-1,2-thiobenzene. <i>Inorganica Chimica Acta</i> , 2020, 503, 119400.	2.4	2
14	An efficient catalyst based on a water-soluble cobalt(II) complex of S,S'-bis(2-pyridylmethyl)-1,2-thiobenzene for electrochemical and photochemical driven hydrogen evolution. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5390.	3.5	11
15	Synthesis, Characterization, and Electrocatalytic Behavior for Hydrogen Evolution of a Dinuclear Copper(II) Complex of 1-((2-Carboxymethyl) benzene)-3-((2-carboxybenzene) triazene. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1458-1463.	1.2	2
16	Synthesis and properties of 1,3-bis[(2-bromo)benzene]triazene and its binuclear silver complex. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 630-636.	1.6	7
17	Electrocatalytic hydrogen evolution using triaryl corrole cobalt complex. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5583.	3.5	13
18	Electrocatalytic Hydrogen Evolution of Cobalt and Free-base Triaryl Corrole Bearing Hydroxyethyl Amino Groups. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 491-498.	2.0	20

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19	A bis(thiosemicarbazonato)-copper complex, a new catalyst for electro- and photo-reduction of CO ₂ to methanol. <i>New Journal of Chemistry</i> , 2020, 44, 2721-2726.	2.8	15
20	Effects of metal centers of complexes supported by S,S'-bis(2-pyridylmethyl)-1,2-thioethane on catalytic activities for electrochemical and photochemical driven hydrogen production. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5776.	3.5	6
21	The effect of oxidation state of metal on electrochemical and photochemical driven hydrogen evolution catalyzed by nickel complexes of maleonitriledithiolate ligands. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 521-528.	1.6	2
22	Design, synthesis and characterization of a co-photocatalyst based on a copper (II) complex of S,S'-bis(2-pyridylmethyl)-1,2-thioethane for hydrogen production under visible light. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107464.	3.9	5
23	Design, synthesis, characterization and electrocatalytic behaviour of a dinuclear palladium(I) complex supported by 1-[(2-chloro)benzene]-3-[(2-carboxymethyl)benzene]triazene ions. <i>Polyhedron</i> , 2019, 163, 108-113.	2.2	3
24	A comparative study of electrocatalytic hydrogen evolution by iron complexes of corrole and porphyrin from acetic acid and water. <i>Transition Metal Chemistry</i> , 2019, 44, 399-406.	1.4	18
25	A nickel complex, an efficient cocatalyst for both electrochemical and photochemical driven hydrogen production from water. <i>Molecular Catalysis</i> , 2018, 448, 10-17.	2.0	26
26	Synthesis, structure, magnetic and catalytic behavior of a dinuclear copper(II) complex with triazendo ligands. <i>Transition Metal Chemistry</i> , 2018, 43, 431-437.	1.4	0
27	Synthesis, characterization, luminescent, and catalytic performance of a dinuclear triazenido silver complex. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1193-1204.	2.2	11
28	A heterogeneous photocatalytic system based on a nickel complex over a CdS nanorod photosensitizer for H ₂ generation from water under visible light. <i>Catalysis Communications</i> , 2018, 103, 15-18.	3.3	15
29	Synthesis, characterization and electrocatalytic performance of a dinuclear triazenido silver(I) complex for hydrogen production. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3997.	3.5	13
30	Photocatalytic system with water soluble nickel complex of S,S'-bis(2-pyridylmethyl)-1,2-thioethane over CdS nanorods for hydrogen evolution from water under visible light. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19047-19056.	7.1	17
31	A water soluble cocatalyst based on a cobalt(II) complex of S,S'-bis(2-pyridylmethyl)-1,2-thioethane for photochemical driven hydrogen evolution from water under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 650-656.	3.9	8
32	The effect of oxidation state of metal on hydrogen production electro-catalyzed by nickel complexes supported by maleonitriledithiolate ligand. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 58-64.	3.8	27
33	Synthesis, structure and electrocatalytic properties of a water soluble copper complex supported by 2-ethyl-2-(2-hydroxybenzylideneamino)propane-1,3-diol ligand. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3797.	3.1	4
34	Electrochemical and photocatalytic hydrogen evolution by an electron deficient cobalt tris(ethoxycarbonyl)corrole complex. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3773.	3.5	27
35	Synthesis, Magnetic and Electrocatalytic Properties of a Dinuclear Triazenido Nickel(II) Complex. <i>ChemistrySelect</i> , 2017, 2, 8673-8678.	1.5	3
36	Electrochemical and photochemical hydrogen generation by a water soluble cobalt(II) complex of 2,2-bipyridine. <i>Transition Metal Chemistry</i> , 2017, 42, 711-717.	1.4	6

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37	Visible-light-driven photocatalytic system based on a nickel complex over CdS materials for hydrogen production from water. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 353-361.	20.2	63
38	A coordinatively saturated nickel complex supported by triazenido ligands: a new electrocatalyst for hydrogen generation via ligand-centered proton-transfer. <i>New Journal of Chemistry</i> , 2017, 41, 8503-8508.	2.8	12
39	Synthesis, characterization and electrocatalytic performance of a cobalt(II) complex of N-phenylpyridin-2-ylmethanimine. <i>Transition Metal Chemistry</i> , 2017, 42, 615-621.	1.4	1
40	Transition metal tetrapentafluorophenyl porphyrin catalyzed hydrogen evolution from acetic acid and water. <i>Transition Metal Chemistry</i> , 2017, 42, 773-782.	1.4	23
41	A coordinatively saturated cobalt complex as a new kind catalyst for efficient electro- and photo-catalytic hydrogen production in purely aqueous media. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16428-16435.	7.1	19
42	Synthesis, characterization and properties of a copper complex with dicyano acetic acid methyl ester ligand derived from tetracyanoethylene. <i>Polyhedron</i> , 2017, 121, 13-18.	2.2	6
43	A Water-soluble Cobalt(II) Compound Co(TCNQ) ₂ , An Electrocatalyst for Hydrogen Evolution from Acetic Acid and Water. <i>Current Catalysis</i> , 2017, 6, .	0.5	0
44	Synthesis and electrocatalytic properties of a cobalt(II) complex supported by N,N-dimethylethylenediamino-N,N-bis(2-tert-butyl-4-ethylphenol). <i>Transition Metal Chemistry</i> , 2016, 41, 623-627.	1.4	1
45	Synthesis and electrocatalytic function for hydrogen generation of cobalt and nickel complexes supported by phenylenediamine ligand. <i>Inorganic Chemistry Communication</i> , 2016, 72, 100-104.	3.9	29
46	Function of triazenido compound for electrocatalytic hydrogen production catalyzed by platinum complex. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2832-2844.	2.2	5
47	Synthesis, characterization, and catalytic properties of a cobalt(II) complex supported by an amine-bis(phenolate) ligand. <i>Transition Metal Chemistry</i> , 2016, 41, 819-825.	1.4	2
48	Electrocatalytic and photocatalytic hydrogen generation from water by a water-soluble cobalt complex supported by 2-ethyl-2-(2-hydroxybenzylideneamino)propane-1,3-diol. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14676-14683.	7.1	15
49	Synthesis, Structure, Magnetic and Electrochemical Properties of a Dinuclear Copper Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 860-865.	1.2	10
50	Synthesis of an electro-catalyst based on a cobalt(II) complex with dimethylaminoethylamino-N,N-bis(2-methylene-4-tert-butyl-6-methylphenol). <i>Journal of Coordination Chemistry</i> , 2016, 69, 628-637.	2.2	4
51	Synthesis and electro- and photo-catalytic properties of a dinuclear cobalt(III) complex supported by 2-pyridylamino-N,N-bis(2-methylene-4,6-bimethyl)phenol. <i>Polyhedron</i> , 2016, 107, 83-88.	2.2	11
52	Hydrogen evolution catalyzed by a water-soluble cobalt(II) complex with picolinic acid ions. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 249-254.	7.1	19
53	Electrochemical-driven water reduction and oxidation catalyzed by an iron complex supported by 2,3-bis(2-hydroxybenzylideneimino)-2,3-butenedinitrile. <i>RSC Advances</i> , 2015, 5, 42287-42293.	3.6	8
54	Synthesis and characterization of a molecular electrocatalyst based on an iron(III) complex supported by an amine-bis(phenolate) ligand for proton or water reduction. <i>Transition Metal Chemistry</i> , 2015, 40, 525-529.	1.4	5

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55	Synthesis and electrocatalytic properties of a dinuclear copper(II) complex for generating hydrogen from acetic acid or water. <i>Journal of Coordination Chemistry</i> , 2015, 68, 573-585.	2.2	11
56	Electrochemical and photochemical-driven hydrogen evolution catalyzed by a dinuclear Co(II) complex. <i>Journal of Power Sources</i> , 2015, 280, 453-458.	7.8	45
57	A water-soluble dinuclear copper electrocatalyst, [Cu(oxpn)Cu(OH) ₂] for both water reduction and oxidation. <i>Electrochimica Acta</i> , 2015, 161, 388-394.	5.2	58
58	A molecular iron(III) electrocatalyst supported by amine-bis(phenolate) ligand for water reduction. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 8688-8694.	7.1	17
59	Synthesis and catalytic properties of an iron(III) complex supported by amine-bis(phenolate) ligand. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2286-2295.	2.2	10
60	A new molecular electro-catalyst based on a triazenido-cobalt complex for generating hydrogen from both acetic acid and water. <i>Catalysis Communications</i> , 2015, 70, 26-29.	3.3	15
61	Electrochemical-driven water reduction catalyzed by a water soluble cobalt(III) complex with Schiff base ligand. <i>Electrochimica Acta</i> , 2015, 178, 368-373.	5.2	39
62	Electrochemical-driven water splitting catalyzed by a water-soluble cobalt(II) complex supported by N,N'-bis(2-pyridinecarboxamide)-1,2-benzene with high turnover frequency. <i>Journal of Power Sources</i> , 2015, 287, 50-57.	7.8	47
63	Synthesis of a molecular electrocatalyst based on an iron(III) complex supported by amine-bis(phenolate) ligand for water reduction. <i>Polyhedron</i> , 2015, 92, 124-129.	2.2	15
64	Electrochemical and photochemical-driven hydrogen evolution catalyzed by a dinuclear cobalt(II)-triazenido complex with high turnover number. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5099-5105.	7.1	41
65	Electro- and photo-chemical driven water reduction catalyzed by a cobalt(III) complex with high turnover number. <i>Journal of Molecular Catalysis A</i> , 2015, 404-405, 227-232.	4.8	9
66	A molecular cobalt catalyst supported by an amine-bis(phenolate) ligand for both electrolytic and photolytic water reduction. <i>RSC Advances</i> , 2015, 5, 84770-84775.	3.6	6
67	A new copper(I)-triazenido electro-catalyst for catalyzing hydrogen evolution from acetic acid and water. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 304-309.	4.8	39
68	A dinuclear copper(II) electrocatalyst both water reduction and oxidation. <i>Journal of Power Sources</i> , 2015, 273, 298-304.	7.8	88
69	Synthesis and studies of a molecular copper(I)-triazenido electrocatalyst for catalyzing hydrogen evolution from acetic acid and water. <i>Polyhedron</i> , 2015, 85, 355-360.	2.2	36
70	Synthesis, Structures, and Magnetic Behavior of Two Binuclear Fe(III) Complexes of N-(1-ethanol)-N,N-bis(3,5-di-tert-butyl-2-hydroxybenzyl)amine and N-(3-amino-1-phenyl)ethan-1-amine. <i>Journal of Inorganic, and Nano Metal Chemistry</i> , 2014, 44, 48-54.	0.6	2
71	A mononuclear copper electrocatalyst for both water reduction and oxidation. <i>RSC Advances</i> , 2014, 4, 53674-53680.	3.6	75
72	Synthesis and electro-catalytic properties of a dinuclear palladium(I) 1,3-bis[(2-chloro)benzene]triazenido complex. <i>Inorganica Chimica Acta</i> , 2014, 410, 191-194.	2.4	28

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73	Synthesis and properties of a molybdenum Schiff base electrocatalyst for generating hydrogen from acetic acid. <i>Transition Metal Chemistry</i> , 2014, 39, 933-937.	1.4	10
74	First mononuclear copper(II) electro-catalyst for catalyzing hydrogen evolution from acetic acid and water. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13972-13978.	7.1	79
75	Isolation and Properties of a Chain of Cyano-Bridged Complex $\{LCu^{I/4}(CN)\}_n$ With Triazenido Ligand and a Cyano-Bridged Mixed-Valence Complex $\{Cu^I Cu^{I/4}(CN)_3\}_n$. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1375-1380.	0.6	6
76	Synthesis, Structures, and Properties of Binuclear and Trinuclear Silver(I) Complexes Supported by P Ligands (dppm, PPh ₃). <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 183-189.	0.6	3
77	Synthesis and Reactivity of 1-[(2-methoxy)benzene]-3-[benzothiazole]Triazene With Copper(II) or Cobalt(II) Chloride. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 764-769.	0.6	3
78	Synthesis, Structures, and Magnetic Behavior of Two Binuclear Fe(III) Complexes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 638-643.	0.6	0
79	Synthesis and Structures of Dinuclear Copper(I) and Silver(I) 1,3-Bis[(2-chloro)benzene]triazene Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1519-1522.	1.2	4
80	Copper complexes of 1-[(2-carboxyethyl)benzene]-3-[2-pyridine]triazene. <i>Transition Metal Chemistry</i> , 2011, 36, 255-260.	1.4	4
81	Synthesis, structures, and magnetic behavior of two high-spin binuclear Fe(III) complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 2606-2617.	2.2	5
82	Synthesis and reactivity with M(II) (M=Co and Cu) chloride of 1-[(2-carboxyethyl)benzene]-3-[benzothiazole]triazene. <i>Journal of Coordination Chemistry</i> , 2011, 64, 449-458.	2.2	8
83	Synthesis, structure, and magnetic properties of a tetranuclear copper(II) complex with a triazenido ligand. <i>Transition Metal Chemistry</i> , 2010, 35, 835-839.	1.4	3
84	Synthesis, structure, and properties of a binuclear Fe(III) complex with N-(1-propanol)-N,N-bis(3-tert-butyl-5-methyl-2-hydroxybenzyl)amine. <i>Transition Metal Chemistry</i> , 2010, 35, 999-1003.	1.4	6
85	$\{[Ag_2(\mu_4-dppm)_2(\mu_4-TCNQ)_2](TCNQ)\}$, a charge transfer compound derived from a donor with a metal-metal bond. <i>Journal of Coordination Chemistry</i> , 2009, 62, 1536-1543.	2.2	4
86	Synthesis and structures of copper(I) and cobalt(III) dimers with the dicyano-acetic acid methyl ester anion derived from TCNE. <i>Transition Metal Chemistry</i> , 2009, 34, 599-603.	1.4	2
87	The assembly, synthesis and properties of a trinuclear cyano-bridged $Cu^{II}Mo^{IV}Cu^{II}$ complex. <i>Journal of Coordination Chemistry</i> , 2008, 61, 1399-1405.	2.2	6
88	Synthesis, crystal structures and magnetic properties of a series of new cyano-bridged complexes derived from templates $[Ni(CN)_4]^{2-}$ and $[Co(III)(CN)_6]^{3-}$. <i>Journal of Coordination Chemistry</i> , 2008, 61, 550-562.	2.2	9
89	$[Cu_3(dppm)_3(\mu_4-i)_{-3}(\mu_2-i)_2][(0.5TCNQ)]$, a radical salt derived from a donor with a copper(I) trimer. <i>Journal of Coordination Chemistry</i> , 2008, 61, 4004-4010.	2.2	2
90	Synthesis, crystal structure, magnetic properties and electrochemical behavior of the mixed valence compound $[Cu(CN)_3Cu^{II}(dipn)]$. <i>Journal of Coordination Chemistry</i> , 2007, 60, 2747-2754.	2.2	2

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91	Synthesis, structure, characterization and catalytic behavior of a bis(thiosemicarbazonato)-nickel complex. <i>Journal of Coordination Chemistry</i> , 0, , 1-14.	2.2	1
92	A bis(thiosemicarbazonato)zinc complex, an electrocatalyst for hydrogen evolution and oxidation via ligand-assisted metal-centered reactivity. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	2
93	A mono-oxo-bridged binuclear iron(III) complex with a Fe-O-Fe angle of 180.0° and its catalytic activity for hydrogen evolution. <i>New Journal of Chemistry</i> , 0, , .	2.8	1
94	Synthesis, structure, magnetic and electrocatalytic properties of a dinuclear triazendio-copper(II) complex. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-9.	1.6	0