

Shu-Zhong Zhan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A dinuclear copper(II) electrocatalyst both water reduction and oxidation. <i>Journal of Power Sources</i> , 2015, 273, 298-304.	4.0	88
2	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.	3.8	79
3	A mononuclear copper electrocatalyst for both water reduction and oxidation. <i>RSC Advances</i> , 2014, 4, 53674-53680.	1.7	75
4	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.	10.8	63
5	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.	2.6	58
6	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.	4.0	47
7	Electrochemical and photochemical-driven hydrogen evolution catalyzed by a dinuclear Co ^{II} -Co ^{II} complex. <i>Journal of Power Sources</i> , 2015, 280, 453-458.	4.0	45
8	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.	3.8	41
9	Electrochemical-driven water reduction catalyzed by a water soluble cobalt(III) complex with Schiff base ligand. <i>Electrochimica Acta</i> , 2015, 178, 368-373.	2.6	39
10	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
11	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.	1.0	36
12	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.	1.8	29
13	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.	1.2	28
14	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.	1.9	27
15	Electrochemical and photocatalytic hydrogen evolution by an electron-deficient cobalt tris(ethoxycarbonyl)corrole complex. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3773.	1.7	27
16	A nickel complex, an efficient cocatalyst for both electrochemical and photochemical driven hydrogen production from water. <i>Molecular Catalysis</i> , 2018, 448, 10-17.	1.0	26
17	Transition metal tetrapentafluorophenyl porphyrin catalyzed hydrogen evolution from acetic acid and water. <i>Transition Metal Chemistry</i> , 2017, 42, 773-782.	0.7	23
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.	1.0	20

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19	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.	3.8	19
20	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.	3.8	19
21	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.	0.7	18
22	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.	3.8	17
23	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.	3.8	17
24	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.	1.6	15
25	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.	1.0	15
26	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.	3.8	15
27	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.	1.6	15
28	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.	1.4	15
29	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.	3.8	15
30	Synthesis, characterization and electrocatalytic performance of a dinuclear triazenidosilver(I) complex for hydrogen production. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3997.	1.7	13
31	Electrocatalytic hydrogen evolution using triaryl corrole cobalt complex. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5583.	1.7	13
32	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.	1.4	12
33	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.	0.8	11
34	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.	1.0	11
35	Synthesis, characterization, luminescent, and catalytic performance of a dinuclear triazenido-silver complex. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1193-1204.	0.8	11
36	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.	1.7	11

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37	Synthesis and properties of a molybdenum Schiff base electrocatalyst for generating hydrogen from acetic acid. <i>Transition Metal Chemistry</i> , 2014, 39, 933-937.	0.7	10
38	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.	0.8	10
39	Synthesis, Structure, Magnetic and Electrochemical Properties of a Dinuclear Copper Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 860-865.	0.6	10
40	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.	0.8	10
41	Synthesis, crystal structures and magnetic properties of a series of new cyano-bridged complexes derived from templates $[\text{Ni}(\text{CN})_4]^{2-}$ and $[\text{Co}(\text{III})(\text{CN})_6]^{3-}$. <i>Journal of Coordination Chemistry</i> , 2008, 61, 550-562.	0.8	9
42	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
43	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.	0.8	8
44	Electrochemical-driven water reduction and oxidation catalyzed by an iron(III) complex supported by 2,3-bis(2-hydroxybenzylideneimino)-2,3-butenedinitrile. <i>RSC Advances</i> , 2015, 5, 42287-42293.	1.7	8
45	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.	2.0	8
46	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.	0.9	7
47	The assembly, synthesis and properties of a trinuclear cyano-bridged $\text{Cu}^{\text{II}}-\text{Mo}^{\text{IV}}-\text{Cu}^{\text{II}}$ complex. <i>Journal of Coordination Chemistry</i> , 2008, 61, 1399-1405.	0.8	6
48	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.	0.7	6
49	Isolation and Properties of a Chain of Cyano-Bridged Complex $\{\text{LCu}(\text{CN})\}_n$ With Triazenido Ligand and a Cyano-Bridged Mixed-Valence Complex $\{\text{Cu}^{\text{I}}\text{Cu}^{\text{II}}(\text{CN})_3\}_n$. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1375-1380.	0.6	6
50	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.	1.7	6
51	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.	0.7	6
52	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.	1.0	6
53	Effect of metal centers of complexes bearing bipyridine ligand for electrochemical and photochemical driven hydrogen evolution. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6453.	1.7	6
54	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.	1.7	6

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55	Synthesis, structures, and magnetic behavior of two high-spin binuclear Fe(III) complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 2606-2617.	0.8	5
56	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.	0.7	5
57	Function of triazenido compound for electrocatalytic hydrogen production catalyzed by platinum complex. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2832-2844.	0.8	5
58	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.	1.8	5
59	{[Ag ₂ ($\frac{1}{4}$ -dppm) ₂ ($\frac{1}{4}$ -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.	0.8	4
60	Copper complexes of 1-[(2-carboxyethyl)benzene]-3-[2-pyridine]triazene. <i>Transition Metal Chemistry</i> , 2011, 36, 255-260.	0.7	4
61	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.	0.6	4
62	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.	0.8	4
63	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.	1.3	4
64	Synthesis, structure, characterization, EPR investigation and catalytic behavior for hydrogen evolution of a bis(thiosemicarbazonato)-palladium complex. <i>Polyhedron</i> , 2021, 208, 115426.	1.0	4
65	Synthesis, structure, and magnetic properties of a tetranuclear copper(II) complex with a triazenido ligand. <i>Transition Metal Chemistry</i> , 2010, 35, 835-839.	0.7	3
66	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
67	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
68	Synthesis, Magnetic and Electrocatalytic Properties of a Dinuclear Triazendo-Nickel(II) Complex. <i>ChemistrySelect</i> , 2017, 2, 8673-8678.	0.7	3
69	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.	1.0	3
70	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.	1.8	3
71	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.	1.4	3
72	Synthesis, crystal structure, magnetic properties and electrochemical behavior of the mixed valence compound [Cu(CN) ₃ Cu(I)(dipn)]. <i>Journal of Coordination Chemistry</i> , 2007, 60, 2747-2754.	0.8	2

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73	[Cu ₃ (dppm) ₃] ⁴⁺ [(O ₅ TCNQ)] ⁻ , a radical salt derived from a donor with a copper(I) trimer. <i>Journal of Coordination Chemistry</i> , 2008, 61, 4004-4010.	0.8	2
74	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.	0.7	2
75	Synthesis, Structures, and Magnetic Behavior of Two Binuclear Fe(III) Complexes of N-(1-ethanol)-N,N-bis(3,5-di- <i>tert</i> -butyl-2-hydroxybenzyl)amine and N-(3-amino-1- <i>Tj</i> ETQq1 1 0.784314 rgBT /Overlock_10 Tf 50 Metal Organic, and Nano Metal Chemistry, 2014, 44, 48-54.	0.6	2
76	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.	0.7	2
77	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.	1.2	2
78	Synthesis, Characterization, and Electrocatalytic Behavior for Hydrogen Evolution of a Dinuclear Copper(II) Complex of 1,2-bis(carboxymethyl) benzene and 2,6-bis(carboxybenzene) triazine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1458-1463.	0.6	2
79	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.	1.7	2
80	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.	0.9	2
81	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.	1.0	2
82	A bis(thiosemicarbazonato)zinc complex, an electrocatalyst for hydrogen evolution and oxidation via ligand-assisted metal-centered reactivity. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	2
83	Synthesis and electrocatalytic properties of a cobalt(II) complex supported by N,N-dimethylethylenediamino-N,N-bis(2- <i>tert</i> -butyl-4-ethylphenol). <i>Transition Metal Chemistry</i> , 2016, 41, 623-627.	0.7	1
84	Synthesis, characterization and electrocatalytic performance of a cobalt(II) complex of N-phenylpyridin-2-ylmethanimine. <i>Transition Metal Chemistry</i> , 2017, 42, 615-621.	0.7	1
85	Synthesis, structure, characterization and catalytic behavior of a bis(thiosemicarbazonato)-nickel complex. <i>Journal of Coordination Chemistry</i> , 0, , 1-14.	0.8	1
86	An infinite chain, {[Ni(tn) ₂] ₃ [Fe(CN) ₄ (¹ / ₄ -CN) ₂] 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.	3.8	1
87	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.	1.9	1
88	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, , .	1.4	1
89	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
90	Synthesis, structure, magnetic and catalytic behavior of a dinuclear copper(II) complex with triazendio ligands. <i>Transition Metal Chemistry</i> , 2018, 43, 431-437.	0.7	0

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91	Impact of oxidation state of metal on electro-catalyzed hydrogen production by cobalt complexes of <i>N</i> -phenylpyridin-2-ylmethanimine. <i>Journal of Coordination Chemistry</i> , 2021, 74, 864-876.	0.8	0
92	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.	0.9	0
93	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
94	Synthesis, structure, magnetic and electrocatalytic properties of a dinuclear triazendio-copper(II) complex. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-9.	0.9	0