Hua-Jun S Fan

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,243 citations	567281 15 h-index	434195 31 g-index
39 all docs	39 docs citations	39 times ranked	1550 citing authors

#	Article	IF	Citations
1	Research on the 2-Chloro-4-amino-6,7-dimethoxyquinazoline Solubility in 12 Monosolvents at Various Temperatures: Experimental Measurement and Thermodynamic Correlation. Journal of Chemical & Engineering Data, 2021, 66, 170-177.	1.9	6
2	Enhance the interaction between ammonium polyphosphate and epoxy resin matrix through hydrophobic modification with cationic latex. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125917.	4.7	15
3	4,6-Di-O-Benzylidenyl group-directed preparation of 2-deoxy-2-azido-Î±-d-galactopyranosides promoted by 3-O-TBDPS. Carbohydrate Research, 2021, 500, 108237.	2.3	0
4	High-performance Si/nano-Cu/CNTs/C anode derived from photovoltaic silicon waste: A potential photovoltaic-energy storage strategy. Materials Today Energy, 2021, 20, 100671.	4.7	17
5	Heteroleptic dmit nickel complexes with bis(diphenylphosphanyl)amine ligands as robust molecular electrocatalysts for hydrogen evolution. Applied Organometallic Chemistry, 2021, 35, .	3.5	3
6	Calcium-cross linked polysaccharide microcapsules for controlled release and antimicrobial applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 125025.	4.7	13
7	Solubility and Thermodynamic Model Correlation of Zonisamide in Different Pure Solvents from Tâ€ = â€(273.15 to 313.15) K. Journal of Chemical & Engineering Data, 2020, 65, 3637-3644.	1.9	6
8	Intermetallic Nanocatalysts from Heterobimetallic Group 10â€“14 Pyridine-2-thiolate Precursors. Organometallics, 2020, 39, 1092-1104.	2.3	11
9	Carbon quantum dots interfacial modified graphene/silicon Schottky barrier solar cell. Journal of Alloys and Compounds, 2020, 835, 155268.	5.5	21
10	Polyionic Liquids (PIL) Promoted Ce Doped ZnO for the Photocatalytic Degradation of Rhodamine B (RhB). ChemistrySelect, 2019, 4, 10748-10755.	1.5	2
11	Equilibrium Solubility, Model Correlation, and Solvent Effect of Indole-3-acetic Acid in Twelve Pure Solvents. Journal of Chemical & Engineering Data, 2019, 64, 1802-1808.	1.9	37
12	The improved hydrodechlorination catalytic reactions by concerted efforts of ionic liquid and activated carbon support. New Journal of Chemistry, 2019, 43, 6659-6665.	2.8	12
13	A Newly Designed Carbohydrate-Derived Alkylamine Promotes Ullmann Type Câ€“N Coupling Catalyzed by Copper in Water. Synlett, 2019, 30, 193-198.	1.8	10
14	Synthesis and characterization of Fe3O4/ZnO-GO nanocomposites with improved photocatalytic degradation methyl orange under visible light irradiation. Journal of Alloys and Compounds, 2018, 737, 197-206.	5.5	78
15	Origin of the Regioselectivity in the Aldol Condensation between Hydroxymethylfurfural and Levulinic Acid: A DFT Investigation. Journal of Physical Chemistry A, 2017, 121, 1985-1992.	2.5	6
16	Phase-Programmed Nanofabrication: Effect of Organophosphite Precursor Reactivity on the Evolution of Nickel and Nickel Phosphide Nanocrystals. Chemistry of Materials, 2015, 27, 8021-8031.	6.7	44
17	Synthesis, crystal structure and investigation of mononuclear copper(II) and zinc(II) complexes of a new carboxylate rich tripodal ligand and their interaction with carbohydrates in alkaline aqueous solution. Journal of Inorganic Biochemistry, 2015, 149, 25-38.	3.5	11
18	Assessing Phosphineâ€“Chalcogen Bond Energetics from Calculations. Organometallics, 2015, 34, 4023-4031.	2.3	19

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19	Teaching Chemistry with Computers. International Journal of Information and Education Technology, 2015, 5, 184-188.	1.2	7
20	The Impact of p-orbital on Optimization of ReH7(PMe3)2 Compound. Procedia Computer Science, 2014, 29, 1376-1383.	2.0	0
21	Molecular Control of the Nanoscale: Effect of Phosphineâ€“Chalcogenide Reactivity on CdSâ€“CdSe Nanocrystal Composition and Morphology. ACS Nano, 2012, 6, 5348-5359.	14.6	101
22	A DFT study on the mechanism of Wolff Rearrangement in a fivemember Iridacycle. Procedia Computer Science, 2010, 1, 2659-2667.	2.0	2
23	Density functional study of the catalytic cycle of nickelâ€“iron [NiFe] hydrogenases and the involvement of high-spin nickel(II). Journal of Biological Inorganic Chemistry, 2006, 11, 286-306.	2.6	83
24	Density Functional Studies of Iridium-Catalyzed Alkane Dehydrogenation. ChemInform, 2004, 35, no.	0.0	0
25	Density Functional Studies of Catalytic Alkane Dehydrogenation by an Iridium Pincer Complex with and without a Hydrogen Acceptor. ChemInform, 2003, 34, no.	0.0	0
26	Ligand-mediated metalâ€“metal interactions and localized versus delocalized mixed-valence cation states of biferrocene and bis(Î¼-fulvalenediyl)diiron characterized in the gas phase by valence photoelectron spectroscopy. Journal of Organometallic Chemistry, 2003, 666, 75-85.	1.8	19
27	DENSITY FUNCTIONAL STUDIES OF IRIDIUM CATALYZED ALKANE DEHYDROGENATION. Advances in Inorganic Chemistry, 2003, , 321-349.	1.0	8
28	High-Spin Ni(II), a Surprisingly Good Structural Model for [NiFe] Hydrogenase. Journal of the American Chemical Society, 2002, 124, 394-395.	13.7	43
29	IR spectroelectrochemical study of the binding of carbon monoxide to the active site of Desulfovibrio fructosovorans Ni-Fe hydrogenase. Journal of Biological Inorganic Chemistry, 2002, 7, 318-326.	2.6	78
30	Density functional studies of catalytic alkane dehydrogenation by an iridium pincer complex with and without a hydrogen acceptor. Journal of Molecular Catalysis A, 2002, 189, 111-118.	4.8	15
31	A Capable Bridging Ligand for Fe-Only Hydrogenase:Â Density Functional Calculations of a Low-Energy Route for Heterolytic Cleavage and Formation of Dihydrogen. Journal of the American Chemical Society, 2001, 123, 3828-3829.	13.7	334
32	Theoretical Studies of Inorganic and Organometallic Reaction Mechanisms. 19. Substitution Reaction in Cyclopentadienyl Metal Dicarbonyls. Organometallics, 2001, 20, 5724-5730.	2.3	20
33	Thermally Stable Homogeneous Catalysts for Alkane Dehydrogenation S.O. thanks the German Academic Exchange Service (DAAD) for financing a research stay with W.C.K. in the USA. This work was supported by the National Science Foundation (CHE 9800184 to M.B.H.), by the University of California Energy Institute and University of California Santa Barbara (to W.C.K.), and by the German Research Association (DFG, to M.W.H). We thank Dr. R. Mynott and Mrs. C. Wirtz, MPI fÃ¼r Kohlenforschung, for NMR spectroscopic in. Angewandte Chemie - International Edition, 2001, 40, 3596.	13.8	175
34	Recent theoretical predictions of the active site for the observed forms in the catalytic cycle of Ni-Fe hydrogenase. Journal of Biological Inorganic Chemistry, 2001, 6, 467-473.	2.6	32
35	Electronic Structure of Early Transition-Metal Carbonyls:Â Gas-Phase Photoelectron Spectroscopy of (Î·5-C5H5)M(CO)4(M = V, Nb, Ta). Organometallics, 2000, 19, 2012-2021.	2.3	15
36	Synthesis and Modeling of Transition Metal Complexes Using Histidine as the Ligand.. Frontiers in Chemistry, 0, 6, .	3.6	0