

Hsing-Yin Chen

List of Publications by Year in descending order

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81
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2,072
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270111

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85
times ranked

2973
citing authors

#	ARTICLE	IF	CITATIONS
1	Responsive fluorescence enhancement for in vivo Cu(II) monitoring in zebrafish larvae. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113885.	5.3	4
2	Ring-Opening Polymerization of ϵ -Caprolactone by Using Aluminum Complexes Bearing Aryl Thioether Phenolates: Labile Thioether Chelation. <i>Inorganic Chemistry</i> , 2022, , .	1.9	8
3	Synthesis of Distorted Nitrogen-Doped Nanographenes by Partially Oxidative Cyclodehydrogenation Reaction. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	1
4	Enhanced catalytic activity of copper nanoparticles electrochemically Co-deposited with cadmium towards the electroreduction of nitrate. <i>Journal of Electroanalytical Chemistry</i> , 2022, 914, 116325.	1.9	6
5	An investigation on catalytic nitrite reduction reaction by bioinspired Cu ^{II} complexes. <i>Dalton Transactions</i> , 2022, 51, 7715-7722.	1.6	7
6	DFT mechanistic study on the formation of 8-oxoguanine and spiroiminodihydantoin mediated by iron Fenton reactions. <i>Dalton Transactions</i> , 2021, 50, 9842-9850.	1.6	3
7	Synergistic Catalysis by Brønsted Acid/Carbodicarbene Mimicking Frustrated Lewis Pair-Like Reactivity. <i>Angewandte Chemie</i> , 2021, 133, 20102-20109.	1.6	6
8	Synergistic Catalysis by Brønsted Acid/Carbodicarbene Mimicking Frustrated Lewis Pair-Like Reactivity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19949-19956.	7.2	18
9	Near-IR Charge-Transfer Emission at 77 K and Density Functional Theory Modeling of Ruthenium(II)-Dipyrrinato Chromophores: High Phosphorescence Efficiency of the Emitting State Related to Spin-Orbit Coupling Mediation of Intensity from Numerous Low-Energy Singlet Excited States. <i>Journal of Physical Chemistry A</i> , 2021, 125, 903-919.	1.1	6
10	Cembranoid-Related Diterpenes, Novel Secoditerpenes, and an Unusual Bisditerpene from a Formosan Soft Coral <i>Sarcophyton Tortuosum</i> . <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2774-2783.	2.0	7
11	<i>In vivo</i> monitoring of carbonic anhydrase expression during the growth of larval zebrafish: a new environment-sensitive fluorophore for responsive turn-on fluorescence. <i>Chemical Communications</i> , 2020, 56, 11307-11310.	2.2	4
12	Synthesis of triisocyanomesitylene η^2 -diketiminato copper(I) complexes and evaluation of isocyanide π -back bonding. <i>Polyhedron</i> , 2020, 192, 114828.	1.0	5
13	CuBr ₂ -Mediated One-Pot Synthesis of Sulfonyl 9-Fluorenylidenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 6897-6909.	1.7	4
14	The Mechanical Behaviors of Polyethylene/Silver Nanoparticle Composites: an Insight from Molecular Dynamics study. <i>Scientific Reports</i> , 2020, 10, 7600.	1.6	12
15	An excellent anode renders protic ionic liquids sustainable in metal electrodeposition. <i>Green Chemistry</i> , 2020, 22, 1821-1826.	4.6	4
16	Why the Reactive Oxygen Species of the Fenton Reaction Switches from Oxoiron(IV) Species to Hydroxyl Radical in Phosphate Buffer Solutions? A Computational Rationale. <i>ACS Omega</i> , 2019, 4, 14105-14113.	1.6	60
17	Low-Temperature Spectra and Density Functional Theory Modeling of Ru(II)-Bipyridine Complexes with Cyclometalated Ancillary Ligands: The Excited State Spin-Orbit Coupling Origin of Variations in Emission Efficiencies. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9431-9449.	1.1	8
18	Synthesis of 2-Sulfonyl Indenes and Indanes. <i>Journal of Organic Chemistry</i> , 2019, 84, 11699-11723.	1.7	12

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19	Ovalbumin-Loaded Gelation Microneedles Made of Predictive Formulation by Molecular Dynamics Simulation for Enhancement of Skin Immunization. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6012-6021.	2.6	3
20	Construction of Sulfonyl Dihydrobenzo[<i>c</i>]xanthen-7-ones Core via NH ₄ OAc/PdCl ₂ /CuCl ₂ -Mediated Double Cyclocondensation of β -Sulfonyl α -Hydroxyacetophenones with 2-Allylbenzaldehydes. <i>Journal of Organic Chemistry</i> , 2019, 84, 15915-15925.	1.7	9
21	Mechanistic Study in Click Reactions by Using (<i>N</i> -Heterocyclic carbene)Copper(I) Complexes: Anionic Effects. <i>Organometallics</i> , 2019, 38, 223-230.	1.1	20
22	Structure and nitrite reduction reactivity study of bio-inspired copper(II)-nitro complexes in steric and electronic considerations of tridentate nitrogen ligands. <i>Dalton Transactions</i> , 2018, 47, 5335-5341.	1.6	17
23	Investigating mechanical properties of polymethylmethacrylate/silver nanoparticle composites by molecular dynamics simulation. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	52
24	Synthesis and Photophysical Characterization of 2,3-Dihydroquinolin-4- <i>imines</i> : New Fluorophores with Color-Tailored Emission. <i>Chemistry - A European Journal</i> , 2018, 24, 1112-1120.	1.7	7
25	Catalytic polymerization of naphthalene by HF/BF ₃ super acid: an <i>ab initio</i> density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23311-23319.	1.3	7
26	Nitric oxide-release study of a bio-inspired copper(II)-nitrito complex under chemical and biological conditions. <i>Dalton Transactions</i> , 2018, 47, 13151-13157.	1.6	5
27	A computational study of the Fenton reaction in different pH ranges. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22890-22901.	1.3	67
28	Reactivity Study of Unsymmetrical β -Diketiminato Copper(II) Complexes: Effect of the Chelating Ring. <i>Inorganic Chemistry</i> , 2017, 56, 2722-2735.	1.9	12
29	Halogen-Mediated Cascade Cyclization Reaction of Aryldiynes to Indeno[1,2- <i>c</i>]chromene Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 6071-6081.	1.7	10
30	Molecular dynamics simulations of PAMAM dendrimer-encapsulated Au nanoparticles of different sizes under different pH conditions. <i>Computational Materials Science</i> , 2017, 137, 144-152.	1.4	20
31	Investigation of the dinuclear effect of aluminum complexes in the ring-opening polymerization of ϵ -caprolactone. <i>RSC Advances</i> , 2017, 7, 18851-18860.	1.7	15
32	Construction of Sulfonyl Oxabenzo[3.3.1]bicyclic Core via Cyclocondensation of β -Ketosulfones and α -Formyl Allylbenzenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 13324-13332.	1.7	29
33	Prediction of Optical and Dielectric Properties of 4-Cyano-4-pentylbiphenyl Liquid Crystals by Molecular Dynamics Simulation, Coarse-Grained Dynamics Simulation, and Density Functional Theory Calculation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14277-14288.	1.5	18
34	Steric and chelating ring concerns on the β -lactide polymerization by asymmetric β -diketiminato zinc complexes. <i>RSC Advances</i> , 2016, 6, 36705-36714.	1.7	11
35	Improvement in Titanium Complexes Bearing Schiff Base Ligands in the Ring-Opening Polymerization of ϵ -Lactide: A Dinuclear System with Hydrazine-Bridging Schiff Base Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 1642-1650.	1.9	36
36	Cooperative Effects in Copper Polyamidoamine Dendrimer Complexes Catalyzing the Reduction of Molecular Oxygen. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4839-4847.	1.0	6

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37	Aryl λ^3 -iodane-Mediated ϵ -exo-trig Cyclization to Synthesize Highly Substituted Chiral Morpholines. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2788-2794.	2.1	10
38	Comparative Study of Aluminum Complexes Bearing N,O- and N,S-Schiff Base in Ring-Opening Polymerization of μ -Caprolactone and ϵ -Lactide. <i>Inorganic Chemistry</i> , 2015, 54, 11292-11298.	1.9	50
39	Coordinating effect in ring-opening polymerization of μ -caprolactone using aluminum complexes bearing bisphenolate as catalysts. <i>RSC Advances</i> , 2015, 5, 82018-82026.	1.7	10
40	Investigation on the Structural and Thermal Behaviors of Poly(amidoamine) Dendrimer-Encapsulated Au Nanoparticles of Different Sizes. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11560-11567.	1.8	6
41	Effective and site-specific phosphoramidation reaction for universally labeling nucleic acids. <i>Analytical Biochemistry</i> , 2014, 449, 118-128.	1.1	6
42	A K_2CO_3 -Mediated Regioselective Synthesis of Indole/Pyrrole-Fused 1,4-Oxazines: An Unexpected Indole-Fused Azlactone Synthesis. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6219-6226.	1.2	19
43	DFT Reinvestigation of DNA Strand Breaks Induced by Electron Attachment. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11137-11144.	1.2	31
44	Catalytic improvement of titanium complexes bearing bis(aminophenolate) in ring-opening polymerization of ϵ -lactide and μ -caprolactone. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 97-104.	4.8	12
45	Interaction of electrons with cisplatin and the subsequent effect on DNA damage: a density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19290.	1.3	14
46	Tortuosenes A and B, New Diterpenoid Metabolites from the Formosan Soft Coral <i>Sarcophyton tortuosum</i> . <i>Organic Letters</i> , 2014, 16, 1314-1317.	2.4	25
47	Anion Reduction Dominated Cathodic Limit of Metal-Free Ionic Liquid: Experimental and Theoretical Proofs. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13899-13905.	1.2	6
48	A simple competition assay to probe pentacopper(I)-thiolato cluster ligand exchange. <i>Journal of Inorganic Biochemistry</i> , 2013, 120, 24-31.	1.5	6
49	Concise solid-phase synthesis of inverse poly(amidoamine) dendrons using AB ₂ building blocks. <i>Chemical Communications</i> , 2013, 49, 5784.	2.2	25
50	Theoretical Study of the Protonation of the One-Electron-Reduced Guanine-Cytosine Base Pair by Water. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2096-2105.	1.2	14
51	A triple helical structure supported solely by C-H \cdots O hydrogen bonding. <i>Chemical Communications</i> , 2012, 48, 1242-1244.	2.2	13
52	Copper(I) Nitro Complex with an Anionic [HB(3,5-Me ₂ Pz) ₃] ⁻ Ligand: A Synthetic Model for the Copper Nitrite Reductase Active Site. <i>Inorganic Chemistry</i> , 2012, 51, 9297-9308.	1.9	41
53	Nitric Oxide Turn-on Fluorescent Probe Based on Deamination of Aromatic Primary Monoamines. <i>Inorganic Chemistry</i> , 2012, 51, 5400-5408.	1.9	90
54	A New Approach to 1,4-Oxazines and 1,4-Oxazepines via Base-Promoted Exo Mode Cyclization of Alkynyl Alcohols: Mechanism and DFT Studies. <i>Organic Letters</i> , 2012, 14, 3134-3137.	2.4	34

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55	Hybrid Polyethylenimine and Polyacrylic Acid-Bound Iron Oxide as a Magnetoplex for Gene Delivery. <i>Langmuir</i> , 2012, 28, 3542-3552.	1.6	38
56	Effect of nucleobase sequence on the proton-transfer reaction and stability of the guanine-cytosine base pair radical anion. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2674-2681.	1.3	30
57	Nearest- and Next-Nearest-Neighbor Ru(II)/Ru(III) Electronic Coupling in Cyanide-Bridged Tetra-Ruthenium Square Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 8274-8280.	1.9	31
58	Synthesis and Physicochemical Characterization of Carbon Backbone Modified [Gd(TTDA)(H ₂ O)] ₂ Derivatives. <i>Inorganic Chemistry</i> , 2011, 50, 1275-1287.	1.9	16
59	Self-Assembly and Redox Modulation of the Cavity Size of an Unusual Rectangular Iron Thiolate Aryldiisocyanide Metallocyclophane. <i>Inorganic Chemistry</i> , 2011, 50, 10825-10834.	1.9	22
60	Syntheses and Pyrolyses of Furan Analogues of <i>1,3,5</i> -oxo-quinodimethanes. Formation of Methylene-cyclobutenone and 1-Buten-3-yne via a Vinylcarbene-Cyclopropene Rearrangement. <i>Journal of Organic Chemistry</i> , 2011, 76, 8440-8446.	1.7	9
61	Potassium-encapsulated arsenic-dithiolato compounds: Synthesis, structural calculation, and biological relevance. <i>Kaohsiung Journal of Medical Sciences</i> , 2011, 27, 424-429.	0.8	3
62	Succinated chitosan as a gene carrier for improved chitosan solubility and gene transfection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 174-183.	1.7	45
63	Characterization of A New Copper(I)-Nitrito Complex That Evolves Nitric Oxide. <i>Inorganic Chemistry</i> , 2010, 49, 5377-5384.	1.9	37
64	Microhydration of 9-methylguanine:1-methylcytosine base pair and its radical anion: a density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1253-1263.	1.3	12
65	Theoretical evidence of barrier-free proton transfer in 7-azaindole-water cluster anions. <i>Journal of Chemical Physics</i> , 2009, 130, 165101.	1.2	7
66	Long-distance electronic interaction in a molecular wire consisting of a ferrocenyl-ethynyl unit bridging two [(1-5-C ₅ H ₅)(dppe)M] metal centers. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1529-1541.	0.8	14
67	Tuning Through-Bond Fe(III)/Fe(II) Coupling by Solvent Manipulation of a Central Ruthenium Redox Couple. <i>Inorganic Chemistry</i> , 2009, 48, 1857-1870.	1.9	26
68	Proton Transfer in Guanine-Cytosine Radical Anion Embedded in B-Form DNA. <i>Journal of the American Chemical Society</i> , 2009, 131, 15930-15938.	6.6	81
69	Synthesis, characterization, and structural study of iron-sulfur core {Cp ₂ Fe ₂ (1/4-SEt) ₂ } complexes. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3035-3042.	0.8	9
70	Crystal Engineering for π - π Stacking via Interaction between Electron-Rich and Electron-Deficient Heteroaromatics. <i>Journal of Organic Chemistry</i> , 2008, 73, 4608-4614.	1.7	64
71	Synthesis and Characterization of Anthra[2,3-b]thiophene and Tetraceno[2,3-b]thiophenes for Organic Field-Effect Transistor Applications. <i>Chemistry of Materials</i> , 2007, 19, 3018-3026.	3.2	99
72	Cyanation: Providing a Three-in-One Advantage for the Design of n-Type Organic Field-Effect Transistors. <i>Chemistry - A European Journal</i> , 2007, 13, 4750-4758.	1.7	183

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73	Toward the Rational Design of Functionalized Pentacenes: Reduction of the Impact of Functionalization on the Reorganization Energy. <i>ChemPhysChem</i> , 2006, 7, 2003-2007.	1.0	91
74	Effect of perfluorination on the charge-transport properties of organic semiconductors: density functional theory study of perfluorinated pentacene and sexithiophene. <i>Chemical Physics Letters</i> , 2005, 401, 539-545.	1.2	129
75	Ionization-Induced Proton Transfer in Model DNA Base Pairs: A Theoretical Study of the Radical Ions of the 7-Azaindole Dimer. <i>ChemPhysChem</i> , 2004, 5, 1855-1863.	1.0	21
76	Control of Hydrogen Bond Strengths through Push-Pull Effects Triggered by a Remote Reaction Center: A Theoretical Study. <i>Chemistry - A European Journal</i> , 2004, 10, 1616-1624.	1.7	5
77	Reply to the comment on 'Iodine effect on the relaxation pathway of photoexcited I ⁺ (H ₂ O) _n clusters' [<i>Chem. Phys. L</i> 335 (2001) 475]. <i>Chemical Physics Letters</i> , 2002, 353, 459-462.	1.2	18
78	Iodine effect on the relaxation pathway of photoexcited I ⁺ (H ₂ O) clusters. <i>Chemical Physics Letters</i> , 2001, 335, 475-480.	1.2	42
79	Theoretical ab initio study of the water trimer anion: Ground and excited state. <i>Journal of Chemical Physics</i> , 2001, 115, 10678-10684.	1.2	10
80	Precursors of the Charge-Transfer-to-Solvent States in I-(H ₂ O) _n Clusters. <i>Journal of the American Chemical Society</i> , 2000, 122, 7534-7542.	6.6	72
81	Dipole-bound anion of water dimer: Theoretical ab-initio study. <i>Journal of Chemical Physics</i> , 1999, 110, 9032-9038.	1.2	27