Yan-Chao Wu

List of Publications by Year in descending order

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109	2,369	27	42
papers	citations	h-index	g-index
111	111	111	1798
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Skraupâ^'Doebnerâ^'Von Miller Quinoline Synthesis Revisited: Reversal of the Regiochemistry for γ-Aryl-β,γ-unsaturated α-Ketoesters. Journal of Organic Chemistry, 2006, 71, 6592-6595.	3.2	133
2	Gravimetric, electrochemical and surface studies on the anticorrosive properties of 1-(2-pyridyl)-2-thiourea and 2-(imidazol-2-yl)-pyridine for mild steel in hydrochloric acid. New Journal of Chemistry, 2018, 42, 12649-12665.	2.8	98
3	Asymmetric Total Syntheses of (â^')-Renieramycin M and G and (â^')-Jorumycin Using Aziridine as a Lynchpin. Organic Letters, 2009, 11, 5558-5561.	4.6	92
4	Asymmetric Total Synthesis of (\hat{a}^2) -Quinocarcin. Journal of the American Chemical Society, 2008, 130, 7148-7152.	13.7	76
5	Highly effective inhibition of mild steel corrosion in HCl solution by using pyrido[1,2- <i>a</i>]benzimidazoles. New Journal of Chemistry, 2019, 43, 413-426.	2.8	65
6	Aqueous Asymmetric Mukaiyama Aldol Reaction Catalyzed by Chiral Gallium Lewis Acid with Trost-Type Semi-Crown Ligands. Advanced Synthesis and Catalysis, 2005, 347, 1247-1256.	4.3	63
7	Application of marine natural products in drug research. Bioorganic and Medicinal Chemistry, 2021, 35, 116058.	3.0	63
8	Hafnium Trifluoromethanesulfonate (Hafnium Triflate) as a Highly Efficient Catalyst for Chemoselective Thioacetalization and Transthioacetalization of Carbonyl Compounds. Journal of Organic Chemistry, 2008, 73, 9522-9524.	3.2	62
9	Simple Turn-On Fluorescent Sensor for Discriminating Cys/Hcy and GSH from Different Fluorescent Signals. Analytical Chemistry, 2021, 93, 2244-2253.	6.5	59
10	Tetrahydroacridines as corrosion inhibitor for X80 steel corrosion in simulated acidic oilfield water. Journal of Molecular Liquids, 2019, 293, 111478.	4.9	57
11	Fructan from Polygonatum cyrtonema Hua as an eco-friendly corrosion inhibitor for mild steel in HCl media. Carbohydrate Polymers, 2020, 238, 116216.	10.2	54
12	Halogen-Substituted Acridines as Highly Effective Corrosion Inhibitors for Mild Steel in Acid Medium. Journal of Physical Chemistry C, 2018, 122, 25349-25364.	3.1	50
13	TFA-Mediated Tandem Friedelâ^'Crafts Alkylation/Cyclization/Hydrogen Transfer Process for the Synthesis of Flavylium Compounds. Journal of Organic Chemistry, 2007, 72, 9383-9386.	3.2	49
14	Aloe polysaccharide as an eco-friendly corrosion inhibitor for mild steel in simulated acidic oilfield water: Experimental and theoretical approaches. Journal of Molecular Liquids, 2020, 307, 112950.	4.9	49
15	Performance and mechanism of a composite scaling–corrosion inhibitor used in seawater: 10-Methylacridinium iodide and sodium citrate. Desalination, 2020, 486, 114482.	8.2	45
16	Inhibition of mild steel corrosion in 1 M HCl by chondroitin sulfate and its synergistic effect with sodium alginate. Carbohydrate Polymers, 2021, 260, 117842.	10.2	45
17	Adsorption and corrosion inhibition properties of pyridineâ€2â€aldehydeâ€2â€quinolylhydrazone for Q235 steel in acid medium: Electrochemical, thermodynamic, and surface studies. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1638-1648.	1.5	44
18	A sensitive and highly selective fluorescent sensor for In3+. Organic and Biomolecular Chemistry, 2010, 8, 3394.	2.8	38

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19	Chemically modified resveratrol as green corrosion inhibitor for Q235 steel: Electrochemical, SEM, UV and DFT studies. Journal of Molecular Liquids, 2021, 343, 117672.	4.9	38
20	Synthetic Studies on (\hat{a}^2) -Lemonomycin: An Efficient Asymmetric Synthesis of Lemonomycinone Amide. Journal of Organic Chemistry, 2009, 74, 2046-2052.	3.2	37
21	Rearrangement of Dypnones to 1,3,5-Triarylbenzenes. Organic Letters, 2015, 17, 1473-1476.	4.6	36
22	Hafnium Triflate as an Efficient Catalyst for Direct Friedel–Crafts Reactions of Chromene Hemiacetals. Advanced Synthesis and Catalysis, 2011, 353, 907-912.	4.3	35
23	Release of antidiabetic peptides from Stichopus japonicas by simulated gastrointestinal digestion. Food Chemistry, 2020, 315, 126273.	8.2	35
24	Regioselective 1,2-Diol Rearrangement by Controlling the Loading of BF ₃ ·Et ₂ O and Its Application to the Synthesis of Related Nor-Sesquiterene- and Sesquiterene-Type Marine Natural Products. Organic Letters, 2017, 19, 3811-3814.	4.6	33
25	Ruthenium(II)â€Catalyzed Hydrogen Transfer/Annulation Cascade Processes between Alcohols and 2â€Nitrobenzaldehydes. Advanced Synthesis and Catalysis, 2015, 357, 583-588.	4.3	30
26	Synergistic Inhibition Effect of 9-(4-Chlorophenyl)-1,2,3,4-tetrahydroacridines and Tween-80 for Mild Steel Corrosion in Acid Medium. Journal of Physical Chemistry C, 2019, 123, 14480-14489.	3.1	29
27	9-Substituted acridines as effective corrosion inhibitors for mild steel: electrochemical, surface morphology, and computational studies. New Journal of Chemistry, 2020, 44, 6464-6474.	2.8	29
28	Foxtail millet prolamin as an effective encapsulant deliver curcumin by fabricating caseinate stabilized composite nanoparticles. Food Chemistry, 2022, 367, 130764.	8.2	29
29	Efficient synthesis of 3â€arylaminopyrrolineâ€2â€ones by the tandem reaction of anilines and β,γâ€unsaturated αâ€ketoesters. Journal of Heterocyclic Chemistry, 2006, 43, 949-955.	2.6	28
30	Bismuth(III) Bromideâ€Catalysed Substitution of Benzyl Alcohols with Arylsulfonylmethyl Isocyanides: An Unexpected Access to Sulfinates. Advanced Synthesis and Catalysis, 2015, 357, 1393-1397.	4.3	28
31	Synthesis of trifluoromethyl-promoted functional pyrazolo[1,5-a]pyrimidine and pyrazolo[5,1-d][1,2,3,5]tetrazine-4(3H)-ones. Journal of Fluorine Chemistry, 2006, 127, 409-416.	1.7	27
32	Efficient Construction of Pyrazolo[1,5-a]pyrimidine Scaffold and its Exploration as a New Heterocyclic Fluorescent Platform. Journal of Fluorescence, 2008, 18, 357-363.	2.5	26
33	Corrosion resistance and antibacterial activity of procyanidin B2 as a novel environment-friendly inhibitor for Q235 steel in 1ÂM HCl solution. Bioelectrochemistry, 2022, 143, 107969.	4.6	26
34	Steviosideâ€"Zn2+ system as an eco-friendly corrosion inhibitor for C1020 carbon steel in hydrochloric acid solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 612, 126010.	4.7	25
35	A novel mitochondrial-targeted two-photon fluorescent probe for ultrafast monitoring of SO2 derivatives and its applications. Talanta, 2020, 217, 121086.	5.5	24
36	Enantiospecific Semisynthesis of Puupehedione-Type Marine Natural Products. Journal of Organic Chemistry, 2017, 82, 12914-12919.	3.2	23

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37	Divergent Synthesis of Bioactive Marine Meroterpenoids by Palladiumâ€Catalyzed Tandem Carbene Migratory Insertion. European Journal of Organic Chemistry, 2018, 2018, 915-925.	2.4	23
38	Switchable regioselection of C–H thiolation of indoles using different TMS counterions. Chemical Communications, 2019, 55, 11864-11867.	4.1	23
39	Apostichopus japonicus polysaccharide as efficient sustainable inhibitor for mild steel against hydrochloric acid corrosion. Journal of Molecular Liquids, 2021, 321, 114923.	4.9	23
40	Palladiumâ€Catalyzed Regioselective Oxidative Annulation of Cyclohexanones and 2â€Aminophenyl Ketones Using Molecular Oxygen as the Sole Oxidant. Advanced Synthesis and Catalysis, 2017, 359, 4250-4257.	4.3	21
41	Anticorrosion performance of acriflavineâ€"Zn2+ system for mild steel in seawater utilization. Journal of Molecular Liquids, 2020, 299, 112152.	4.9	21
42	Structure-based discovery of novel 4-(2-fluorophenoxy)quinoline derivatives as c-Met inhibitors using isocyanide-involved multicomponent reactions. European Journal of Medicinal Chemistry, 2020, 193, 112241.	5.5	21
43	Cascade reaction of \hat{l}^2 , \hat{l}^3 -unsaturated $\hat{l}\pm$ -ketoesters with phenols in trityl chloride/TFA system. Highly selective synthesis of 4-aryl-2H-chromenes and their applications. Organic and Biomolecular Chemistry, 2011, 9, 2868.	2.8	20
44	Protecting-group-free synthesis of haterumadienone- and puupehenone-type marine natural products. Green Chemistry, 2017, 19, 2140-2144.	9.0	20
45	Impact Assessment of heavy metal cations to the characteristics of photosynthetic phycocyanin. Journal of Hazardous Materials, 2020, 391, 122225.	12.4	20
46	Structure and hypoglycemic effect of a neutral polysaccharide isolated from sea cucumber Stichopus japonicus. International Journal of Biological Macromolecules, 2022, 216, 14-23.	7.5	20
47	Design and synthesis of novel sulfone-containing pyrazolo[1,5-a]-pyrimidines and pyrazolo[5,1-d][1,2,3,5]tetrazine-4(3H)-ones. Journal of Heterocyclic Chemistry, 2005, 42, 609-613.	2.6	19
48	Regioselective Electrophilic Aromatic Bromination: Theoretical Analysis and Experimental Verification. Molecules, 2014, 19, 3401-3416.	3.8	19
49	Water-promoted ortho-selective monohydroxymethylation of phenols in the NaBO2 system. Organic and Biomolecular Chemistry, 2014, 12, 3100-3107.	2.8	18
50	Structural elucidation and antidiabetic activity of fucosylated chondroitin sulfate from sea cucumber Stichopus japonicas. Carbohydrate Polymers, 2021, 262, 117969.	10.2	18
51	Synthesis of Quinolines via Iron-Catalyzed Redox Condensation of Alcohols with 2-Nitrobenzyl Methyl Ether/2-Nitrobenzyl Alcohols. Synthesis, 2016, 48, 3985-3995.	2.3	17
52	Divergent Synthesis of Marine Natural Products Siphonodictyal B, Corallidictyals C/D, and Liphagal Based on the Early Presence of an Aldehyde Group Instead of a Late-Stage Introduction. Journal of Organic Chemistry, 2018, 83, 8716-8723.	3.2	15
53	Anticorrosion performance of grape seed proanthocyanidins extract and Tween-80 for mild steel in hydrochloric acid medium. Journal of Molecular Liquids, 2021, 331, 115799.	4.9	15
54	Design, synthesis and evaluation of sulfonylurea-containing 4-phenoxyquinolines as highly selective c-Met kinase inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 2801-2812.	3.0	14

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55	A specifically triggered turn-on fluorescent probe platform and its visual imaging of HClO in cells, arthritis and tumors. Journal of Hazardous Materials, 2022, 427, 127874.	12.4	14
56	Lentinan as an eco-friendly corrosion inhibitor for Q235 steel in acid medium: Experimental and theoretical studies. Journal of Molecular Liquids, 2022, 360, 119513.	4.9	14
57	Sodium Arenesulfinatesâ€Involved Sulfinate Synthesis Revisited: Improved Synthesis and Revised Reaction Mechanism. European Journal of Organic Chemistry, 2019, 2019, 1846-1855.	2.4	13
58	Facile Synthesis of Spiropyrans from Chromene Hemiacetal Esters and Bifunctional Nucleophiles. Synlett, 2011, 2011, 1573-1578.	1.8	12
59	Bi(OTf)3-catalyzed tandem reaction of naphthols with \hat{l}^2 , \hat{l}^3 -unsaturated \hat{l} ±-ketoesters. Efficient synthesis of functionalized 4H-chromenes. Chinese Chemical Letters, 2014, 25, 1235-1239.	9.0	12
60	Design, synthesis and biological evaluation of novel N-sulfonylamidine-based derivatives as c-Met inhibitors via Cu-catalyzed three-component reaction. European Journal of Medicinal Chemistry, 2020, 200, 112470.	5.5	12
61	A water-soluble turn-on fluorescent probe for rapid discrimination and imaging of Cys/Hcy and GSH in cells and zebrafish through different fluorescent channels. Dyes and Pigments, 2022, 199, 110058.	3.7	12
62	Direct Sulfination of Nonactivated Alcohols with Arylsulfonylmethyl Isocyanides. European Journal of Organic Chemistry, 2016, 2016, 4077-4083.	2.4	11
63	Sulfoxideâ€Promoted Chlorination of Indoles and Electronâ€Rich Arenes with Chlorine as Nucleophile. Advanced Synthesis and Catalysis, 2020, 362, 1039-1045.	4.3	11
64	A novel mitochondrial targeting fluorescent probe for ratiometric imaging SO2 derivatives in living cells. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 390, 112339.	3.9	11
65	Chondroitin sulfate deposited on foxtail millet prolamin/caseinate nanoparticles to improve physicochemical properties and enhance cancer therapeutic effects. Food and Function, 2022, 13, 5343-5352.	4.6	11
66	Single/co-encapsulation capacity and physicochemical stability of zein and foxtail millet prolamin nanoparticles. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112685.	5.0	11
67	Direct oxidative coupling of <i>N</i> -acyl pyrroles with alkenes by ruthenium(<scp>ii</scp>)-catalyzed regioselective C2-alkenylation. Organic and Biomolecular Chemistry, 2020, 18, 500-513.	2.8	10
68	Mitigation effect of quinazolin-4(3H)-one derivatives on the corrosion behaviour of mild steel in HCl. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127188.	4.7	10
69	A six-step synthetic approach to marine natural product (+)-aureol. Tetrahedron Letters, 2018, 59, 945-948.	1.4	9
70	Inhibition effect of sparteine isomers with different stereochemical conformations on the corrosion of mild steel in hydrochloric acid solution. Journal of Molecular Liquids, 2022, 345, 117833.	4.9	9
71	Catalyst-Free Synthesis of Spiropyrazolines from Chalcones and Cyclic Ketone N-Tosylhydrazones. Synlett, 2015, 26, 243-249.	1.8	8
72	Synergistic effect of 1-(2,5-dioxoimidazolidin-4-yl)urea and Tween-80 towards the corrosion mitigation of mild steel in HCl. New Journal of Chemistry, 2019, 43, 13899-13910.	2.8	8

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73	TMSOTf-Promoted Sulfinylation of Electron-Rich Aromatics with Sodium Arylsulfinates. Synlett, 2020, 31, 349-354.	1.8	8
74	Experimental and theoretical investigation of inhibition behavior of bisflavanol for Q235 steel in hydrochloric acid solution. Journal of Molecular Liquids, 2021, 342, 117490.	4.9	8
75	Highly effective Q235 steel corrosion inhibition in 1ÂM HCl solution by novel green strictosamide from Uncaria laevigata: Experimental and theoretical approaches. Journal of Environmental Chemical Engineering, 2022, 10, 107581.	6.7	8
76	Asymmetric total synthesis of talienbisflavan A. Organic and Biomolecular Chemistry, 2018, 16, 585-592.	2.8	7
77	Regioselective and oxidant-free sulfinylation of indoles and pyrroles with sulfinamides. Organic and Biomolecular Chemistry, 2019, 17, 4789-4800.	2.8	7
78	Tin(ii)-catalyzed dehydrative cross-coupling of 2H-chromene hemiacetals with ketones. Organic and Biomolecular Chemistry, 2020, 18, 9308-9315.	2.8	7
79	Direct conversion of sulfinamides to thiosulfonates without the use of additional redox agents under metal-free conditions. Organic and Biomolecular Chemistry, 2021, 19, 9291-9298.	2.8	7
80	Co-assembly of foxtail millet prolamin-lecithin/alginate sodium in citric acid–potassium phosphate buffer for delivery of quercetin. Food Chemistry, 2022, 381, 132268.	8.2	7
81	Immunological effect of fucosylated chondroitin sulfate and its oligomers from Holothuria fuscogilva on RAW 264.7 cells. Carbohydrate Polymers, 2022, 287, 119362.	10.2	7
82	Synthesis of 2â€(2 <i>H</i> à€Chromenyl)â€Oxazoles from 2 <i>H</i> â€Chromene Hemiacetals by Using a Modified Passeriniâ€Type Reaction. ChemistrySelect, 2018, 3, 9658-9662.	1.5	6
83	Synthesis of N-Sulfonyl- and N-Acylpyrroles via a Ring-Closing Metathesis/Dehydrogenation Tandem Reaction. Synthesis, 2019, 51, 3651-3666.	2.3	6
84	Synergistic inhibition effect of <i>N</i> â€{furanâ€2â€ylmethyl)â€7 <i>H</i> â€purinâ€6â€amine and iodide ion for steel corrosion in 1 mol/L HCl. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 498-507.	· mild	6
85	Adlay seed hull polysaccharide as a green corrosion inhibitor for mild steel in acid solution: surface analyses and theoretical calculations. New Journal of Chemistry, 2021, 45, 21188-21198.	2.8	6
86	Base-Promoted Direct Synthesis of Sulfinates from N-SulfonylÂhydrazones under Metal-Free Conditions. Synthesis, 2020, 52, 755-762.	2.3	5
87	Preparation of methylacridinium iodides self-assembled monolayers and its anti-corrosion properties for mild steel in seawater: Experimental and computational studies. Journal of Molecular Liquids, 2020, 313, 113545.	4.9	5
88	Recent Progress on Processing Technologies, Chemical Components, and Bioactivities of Chinese Red Ginseng, American Red Ginseng, and Korean Red Ginseng. Food and Bioprocess Technology, 2022, 15, 47-71.	4.7	5
89	Fabricating of grape seed proanthocyanidins loaded Zein-NaCas composite nanoparticles to exert effective inhibition of Q235 steel corrosion in seawater. Journal of Molecular Liquids, 2022, 348, 118467.	4.9	5
90	Switchable and efficient conversion of 2-amido-aryl oxazolines to quinazolin-4(3H)-ones and N-(2-chloroethyl)benzamides. Organic Chemistry Frontiers, 2021, 8, 584-590.	4.5	4

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91	AMPK inhibitor BML-275 induces neuroprotection through decreasing cyt c and AIF expression after transient brain ischemia. Bioorganic and Medicinal Chemistry, 2021, 52, 116522.	3.0	4
92	Synthesis of natural product inulavosin via Ga(OTf) ₃ -Catalyzed Hetero Diels–Alder Dimerization of salicyl alcohol derivative. Natural Product Research, 2019, 33, 2911-2916.	1.8	3
93	Direct C2-arylation of <i>N</i> -acyl pyrroles with aryl halides under palladium catalysis. Organic and Biomolecular Chemistry, 2021, 19, 1555-1564.	2.8	3
94	Rational design of an HClO-specific triggered self-immolative fluorescent turn-on sensor and its bioimaging applications. Journal of Materials Chemistry B, 2021, 9, 8793-8800.	5.8	3
95	Efficient Synthesis of Functionalized 4H-Chromenes via an Fe(OTf)3-Catalyzed Cyclization Reaction of Phenols and Ketones. Synthesis, 2018, 50, 1482-1492.	2.3	2
96	Chlorination of Arylaldehyde-Derived Arylsulfonylhydrazones with N-Chlorosuccinimide Leading to 1,2,4,5-Tetrazine Derivatives. Synthesis, 2020, 52, 69-74.	2.3	2
97	Intermolecular Amination of Ketoximes with Anthranils by Rhâ€Catalyzed Câ^'H Bond Activation in Air. Asian Journal of Organic Chemistry, 2021, 10, 838-844.	2.7	2
98	A concise synthesis of marine natural product (â^')-15-oxopuupehenol from (+)-sclarelide. Natural Product Research, 2023, 37, 1265-1270.	1.8	2
99	A modular strategy for the synthesis of marine originated meroterpenoid-type natural products. Organic and Biomolecular Chemistry, 2021, 19, 9439-9447.	2.8	2
100	Concise synthesis of marine natural products smenodiol and (\hat{a}^{-}) -pelorol. Natural Product Research, 2023, 37, 1505-1510.	1.8	2
101	Investigation of 3â€(phenylsulfinyl)indoles selfâ€assembled monolayer for the inhibition of iron corrosion in acidic media. Materials and Corrosion - Werkstoffe Und Korrosion, 2022, 73, 1490-1504.	1.5	2
102	Synthesis of Bisflavanol-Type Natural Products and Their AnaloguesÂ-via Self-Coupling of C8-Methylol Catechin Derivatives. Synthesis, 2019, 51, 3127-3141.	2.3	1
103	Anti-Corrosive Properties of Alkaloids on Metals. , 2019, , .		1
104	Synthesis of difluorinated 3-oxo-N,3-diarylpropanamides from 4-arylamino coumarins mediated by Selectfluor. Organic Chemistry Frontiers, 0 , , .	4.5	1
105	Regioselective synthesis of gentisyl alcohol-type marine natural products. Natural Product Research, 2019, 33, 1891-1896.	1.8	0
106	Approaches to the Total Synthesis of Puupehenone-Type Marine Natural Products., 2019,,.		0
107	Ruthenium(II)â€catalyzed Monohydroalkylation of α,βâ€Unsaturated Ketones with N â€Acyl Pyrroles using a Câ~'H Activation Strategy. Asian Journal of Organic Chemistry, 2020, 9, 1602-1609.	2.7	0
108	Synthesis of 2â€Trifluoromethyl Quinolines from α,βâ€Unsaturated Trifluoromethyl Ketones: Regiochemistry Reversal Comparing to the Standard Skraupâ€Doebnerâ€Von Miller Synthesis. ChemistrySelect, 2020, 5, 4099-4103.	1.5	0

ARTICLE IF CITATIONS

Comparison of Health-Relevant Polyphenolic Component Content and Bioavailability of Bilberry (Vaccinium Myrtillus L.), Blueberry (Vaccinium Sect. Cyanococcus Rydb.) and Chokeberry (Aronia) Tj ETQq1 1 0.784844 rgBT Overloc