Wei-Ping Luo

List of Publications by Year
in descending order

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48 papers	765 citations	516215 16 h-index	580395 25 g-index
48 all docs	48 docs citations	48 times ranked	596 citing authors

#	Article	IF	Citations
1	Transition Metal-Free Î±-Csp³-H Methylenation of Ketones to Form Câ•C Bond Using Dimethyl Sulfoxide as Carbon Source. Journal of Organic Chemistry, 2017, 82, 7159-7164.	1.7	71
2	Transition metal-free C(sp³)â€“H bond coupling among three methyl groups. Chemical Communications, 2017, 53, 5346-5349.	2.2	57
3	Copperâ€Catalyzed Aerobic Oxidative Cyclization of Anilines, Aryl Methyl Ketones and DMSO: Efficient Assembly of 2â€Arylquinolines. Advanced Synthesis and Catalysis, 2018, 360, 2691-2695.	2.1	51
4	Co2(OH)3Cl and MOF mediated synthesis of porous Co3O4/NC nanosheets for efficient OER catalysis. Applied Surface Science, 2021, 542, 148739.	3.1	40
5	Transition-Metal-Free Oxidative Decarboxylative Cross Coupling of Î±,Î²-Unsaturated Carboxylic Acids with Cyclic Ethers under Air Conditions: Mild Synthesis of Î±-Oxyalkyl Ketones. Journal of Organic Chemistry, 2017, 82, 2965-2971.	1.7	34
6	Direct Assembly of Polysubstituted Furans via C(sp³)â^H Bond Functionalization by Using Dimethyl Sulfoxide as a Dual Synthon. Advanced Synthesis and Catalysis, 2019, 361, 1084-1091.	2.1	31
7	K 2 S 2 O 8 -mediated nitration of alkenes with NaNO 2 and 2,2,6,6-tetramethylpiperidine-1-oxyl: stereoselective synthesis of (E)-nitroalkenes. Tetrahedron Letters, 2016, 57, 80-84.	0.7	28
8	Copper-Catalyzed O-Methylation of Carboxylic Acids Using DMSO as a Methyl Source. Synthesis, 2016, 48, 421-428.	1.2	27
9	Solvent-Free Aerobic Oxidation of Toluene over Metalloporphyrin/NHPI/CTAB: Synergy and Mechanism. Catalysis Letters, 2014, 144, 333-339.	1.4	26
10	Dimethyl Sulfoxide Oxygen Donorâ€Based Annulation of Ketones and Ammonium Persulfate: Regioselective Synthesis of 2,4â€disubstituted Oxazoles. Advanced Synthesis and Catalysis, 2019, 361, 1632-1640.	2.1	26
11	Aerobic Oxidation of p-Toluic Acid to Terephthalic Acid over T(p-Cl)PPMnCl/Co(OAc)2 Under Moderate Conditions. Catalysis Letters, 2010, 134, 155-161.	1.4	24
12	Measurement and Correlation for Solubilities of Adipic Acid in Acetic Acid + Îµ-Caprolactone Mixtures and Cyclohexanone + Îµ-Caprolactone Mixtures. Journal of Chemical & Engineering Data, 2016, 61, 2474-2480.	1.0	24
13	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid and Succinic Acid in Acetic Acid + Cyclohexanone Mixtures. Journal of Chemical & Engineering Data, 2017, 62, 1269-1277.	1.0	24
14	Incorporation of Functional Groups in Porphyrinic Metalâ€Organic Frameworks by Postâ€modification for Highly Efficient Oxidation Catalysis. ChemCatChem, 2020, 12, 4331-4338.	1.8	19
15	Measurement and Correlation for Solubilities of Succinic Acid and Glutaric Acid in Îµ-Caprolactone + Acetic Acid Mixtures and Îµ-Caprolactone + Cyclohexanone Mixtures. Journal of Chemical & Engineering Data, 2018, 63, 298-304.	1.0	18
16	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Dimethyl Adipate + Methanol Mixtures. Journal of Chemical & Engineering Data, 2017, 62, 3124-3137.	1.0	17
17	A Unified Thermodynamics Model for Solidâ€Liquid Equilibrium, Liquidâ€Liquid Equilibrium, and Vaporâ€Liquid Equilibrium of Cyclohexane Oxidation Systems: NRTL Model. Industrial & Engineering Chemistry Research, 2019, 58, 10018-10030.	1.8	17
18	Solubility of dibenzothiophene in nine organic solvents: Experimental measurement and thermodynamic modelling. Journal of Chemical Thermodynamics, 2019, 129, 73-82.	1.0	16

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19	Efficient Synthesis of Vinyl Sulfones by Manganese-Catalyzed Decarboxylative Coupling of Cinnamic Acids with Aromatic Sulfinic Acid Sodium Salts. Synlett, 2016, 27, 2695-2698.	1.0	14
20	Measurement and Correlation for the Solubility of Adipic Acid and Succinic Acid in Glutaric Acid + Cyclohexanone and Glutaric Acid + Acetic Acid Mixtures. Journal of Chemical & Engineering Data, 2017, 62, 3473-3482.	1.0	14
21	Effective [3+1+1+1] Cycloaddition to Sixâ€Membered Carbocycle Based on DMSO as Dual Carbon Synthon. Advanced Synthesis and Catalysis, 2021, 363, 3127-3137.	2.1	14
22	Determination and Correlation for the Solubilities of Succinic Acid in Cyclohexanol + Cyclohexanone + Cyclohexane Solvent Mixtures. Journal of Chemical & Engineering Data, 2018, 63, 801-811.	1.0	13
23	Synthesis of Terminal Nâ€Vinylazoles from Aromatic Aldehydes, DMSO, and Azoles Based DMSO as Terminal Carbon Synthon. Advanced Synthesis and Catalysis, 2021, 363, 4621-4626.	2.1	13
24	[3+1+1+1] Annulation to the Pyridine Structure in Quinoline Molecules Based on DMSO as a Nonadjacent Dual-Methine Synthon: Simple Synthesis of 3-Arylquinolines from Arylaldehydes, Arylamines, and DMSO. Journal of Organic Chemistry, 2022, 87, 2797-2808.	1.7	13
25	Measurement and correlation for solubilities of isophthalic acid and m-toluic acid in binary acetic acidâ€¯+â€¯water and acetic acidâ€¯+â€¯m-xylene solvent mixtures. Journal of Molecular Liquids, 2018, 262, 549-555.	2.3	12
26	Solubility of succinic acid, glutaric acid and adipic acid in propionic acidâ€¯+â€Îµ-caprolactone mixtures and propionic acidâ€¯+â€¯cyclohexanone mixtures: Experimental measurement and thermodynamic modeling. Journal of Molecular Liquids, 2018, 272, 106-119.	2.3	11
27	Efficient and Bioâ€inspired Conversion of Cellulose to Formic Acid Catalyzed by Metalloporphyrins in Alkaline Solution. Chinese Journal of Chemistry, 2017, 35, 1063-1068.	2.6	10
28	Solubility of benzoic acid in twelve organic solvents: Experimental measurement and thermodynamic modeling. Journal of Chemical Thermodynamics, 2020, 150, 106234.	1.0	10
29	Metal-Free-Catalyzed Synthesis of Allyl Nitriles via C_{sp²}â€“C_{sp³} Coupling between Olefins and Azobis (Alkyl-carbonitrile). Journal of Organic Chemistry, 2020, 85, 3287-3296.	1.7	9
30	Two Câ•C Bond Participation in Annulation to Pyridines Based on DMF as the Nonadjacent N and C Atom Donors. Journal of Organic Chemistry, 2021, 86, 13446-13453.	1.7	9
31	Efficient Synthesis of 3,6â€Dihydroâ€2Hâ€pyrans via [3+2+1] Annulation Based on the Heteroatomâ€free Triâ€atom Donor. Advanced Synthesis and Catalysis, 2019, 361, 5392-5399.	2.1	8
32	Unexpected Annulation between 2-Aminobenzyl Alcohols and Benzaldehydes in the Presence of DMSO: Regioselective Synthesis of Substituted Quinolines. Journal of Organic Chemistry, 2021, 86, 15228-15241.	1.7	8
33	Effects of Oxygen Transfer Limitation and Kinetic Control on Biomimetic Catalytic Oxidation of Toluene. Chinese Journal of Chemical Engineering, 2014, 22, 509-515.	1.7	7
34	Solubility of succinic acid, glutaric acid and adipic acid in propionic acidâ€¯+â€Îµ-caprolactoneâ€¯+â€¯water mixtures: Experimental measurement and thermodynamic modeling. Journal of Chemical Thermodynamics, 2019, 138, 332-344.	1.0	7
35	New Group-Interaction Parameters of the UNIFAC Model: Aromatic Carboxyl Binaries. Industrial & Engineering Chemistry Research, 2011, 50, 4099-4105.	1.8	6
36	Measurement and correlation for solubilities of succinic acid, glutaric acid and adipic acid in five organic solvents. Journal of Molecular Liquids, 2020, 297, 111735.	2.3	6

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37	Solubility of Phthalic Acid and o-Toluic Acid in Seven Organic Solvents: Experimental Measurement and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2021, 66, 4273-4285.	1.0	6
38	Copper(I)â€Catalyzed Î±â€Acryloyloxylation of Ketones with Î±,Î²â€Unsaturated Carboxylic Acids To Form Î±â€Acryloyloxy Ketones. European Journal of Organic Chemistry, 2017, 2017, 734-740.	1.2	5
39	Metalloporphyrin-immobilization MOFs derived metal-nitrogen-carbon catalysts for effective electrochemical oxygen reduction. Journal of Solid State Chemistry, 2020, 292, 121671.	1.4	5
40	Regioselective Synthetic Approach to Higher Alkenes from Lower Alkenes with Sulfoxides in the Fe³⁺/H₂O₂ System via Direct Alkylation or Arylation of the Csp²â€“H Bond on the Câ•C Bond of Alkenes. Journal of Organic Chemistry, 2022, 87, 7022-7032.	1.7	4
41	Synthesis of Nonâ€Terminal Alkenyl Ethers, Alkenyl Sulfides, and Nâ€Vinylazoles from Arylaldehydes or Diarylketones, DMSO and O, S, Nâ€Nucleophiles. Advanced Synthesis and Catalysis, 0, , .	2.1	3
42	Measurement and Correlation of Solubilities of 4-Methylbenzoic Acid and Terephthalic Acid in Eight Organic Solvents. Journal of Chemical & Engineering Data, 0, , .	1.0	2
43	Correction to â€œMeasurement and Correlation for Solubilities of Isophthalic Acid and m-Toluic Acid in Different Organic Solvents from 287.65 to 347.45 Kâ€• Journal of Chemical & Engineering Data, 2022, 67, 1025-1026.	1.0	2
44	Measurement and Correlation of Solubilities of Isophthalic Acid and m-Toluic Acid in Different Organic Solvents from 287.65 to 347.45 K. Journal of Chemical & Engineering Data, 2022, 67, 231-244.	1.0	2
45	Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Dimethyl Glutarate + Methanol Mixtures: Experimental Measurement and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2020, 65, 56-67.	1.0	1
46	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Different Alcohol Solvents. Journal of Chemical & Engineering Data, 2022, 67, 245-256.	1.0	1
47	Measurement and Correlation of Solubilities of 3-Methyl-2-Nitrobenzoic Acid, 3-Methyl-4-Nitrobenzoic Acid, and 5-Methyl-2-Nitrobenzoic Acid in n-Butanol Isomer Solvents. Journal of Chemical & Engineering Data, 2021, 66, 2449-2459.	1.0	0
48	New Group Interaction Parameters of the UNIFAC (Dortmund) Model: Aromatic Dicarboxylic Acid Isomer and Methyl Benzoic Acid Isomer Binaries. Industrial & Engineering Chemistry Research, 2020, 59, 22619-22625.	1.8	0