

# Wei-Ping Luo

## List of Publications by Year in descending order

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papers

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48  
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#	ARTICLE	IF	CITATIONS
1	[3+1+1+1] Annulation to the Pyridine Structure in Quinoline Molecules Based on DMSO as a Nonadjacent Dual-Methine Synthons: Simple Synthesis of 3-Arylquinolines from Arylaldehydes, Arylamines, and DMSO. <i>Journal of Organic Chemistry</i> , 2022, 87, 2797-2808.	1.7	13
2	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Different Alcohol Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 245-256.	1.0	1
3	Correction to "Measurement and Correlation for Solubilities of Isophthalic Acid and <i>m</i> -Toluic Acid in Different Organic Solvents from 287.65 to 347.45 K"; <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 1025-1026.	1.0	2
4	Measurement and Correlation of Solubilities of Isophthalic Acid and <i>m</i> -Toluic Acid in Different Organic Solvents from 287.65 to 347.45 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 231-244.	1.0	2
5	Regioselective Synthetic Approach to Higher Alkenes from Lower Alkenes with Sulfoxides in the Fe <sup>3+</sup> /H <sub>2</sub> O <sub>2</sub> System via Direct Alkylation or Arylation of the Csp <sup>2</sup> -H Bond on the C-C Bond of Alkenes. <i>Journal of Organic Chemistry</i> , 2022, 87, 7022-7032.	1.7	4
6	Co <sub>2</sub> (OH) <sub>3</sub> Cl and MOF mediated synthesis of porous Co <sub>3</sub> O <sub>4</sub> /NC nanosheets for efficient OER catalysis. <i>Applied Surface Science</i> , 2021, 542, 148739.	3.1	40
7	Measurement and Correlation of Solubilities of 3-Methyl-2-Nitrobenzoic Acid, 3-Methyl-4-Nitrobenzoic Acid, and 5-Methyl-2-Nitrobenzoic Acid in <i>n</i> -Butanol Isomer Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 2449-2459.	1.0	0
8	Effective [3+1+1+1] Cycloaddition to Six-Membered Carbocycle Based on DMSO as Dual Carbon Synthons. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3127-3137.	2.1	14
9	Synthesis of Terminal <i>N</i> -Vinylazoles from Aromatic Aldehydes, DMSO, and Azoles Based on DMSO as Terminal Carbon Synthons. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4621-4626.	2.1	13
10	Two C-C Bond Participation in Annulation to Pyridines Based on DMF as the Nonadjacent N and C Atom Donors. <i>Journal of Organic Chemistry</i> , 2021, 86, 13446-13453.	1.7	9
11	Solubility of Phthalic Acid and <i>o</i> -Toluic Acid in Seven Organic Solvents: Experimental Measurement and Thermodynamic Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 4273-4285.	1.0	6
12	Unexpected Annulation between 2-Aminobenzyl Alcohols and Benzaldehydes in the Presence of DMSO: Regioselective Synthesis of Substituted Quinolines. <i>Journal of Organic Chemistry</i> , 2021, 86, 15228-15241.	1.7	8
13	Measurement and correlation for solubilities of succinic acid, glutaric acid and adipic acid in five organic solvents. <i>Journal of Molecular Liquids</i> , 2020, 297, 111735.	2.3	6
14	Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Dimethyl Glutarate + Methanol Mixtures: Experimental Measurement and Thermodynamic Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 56-67.	1.0	1
15	Metalloporphyrin-immobilization MOFs derived metal-nitrogen-carbon catalysts for effective electrochemical oxygen reduction. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121671.	1.4	5
16	Incorporation of Functional Groups in Porphyrinic Metal-Organic Frameworks by Post-modification for Highly Efficient Oxidation Catalysis. <i>ChemCatChem</i> , 2020, 12, 4331-4338.	1.8	19
17	Solubility of benzoic acid in twelve organic solvents: Experimental measurement and thermodynamic modeling. <i>Journal of Chemical Thermodynamics</i> , 2020, 150, 106234.	1.0	10
18	Metal-Free-Catalyzed Synthesis of Allyl Nitriles via C <sub>sp</sub> <sup>2</sup> -C <sub>sp</sub> <sup>3</sup> Coupling between Olefins and Azobis (Alkyl-carbonitrile). <i>Journal of Organic Chemistry</i> , 2020, 85, 3287-3296.	1.7	9

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19	New Group Interaction Parameters of the UNIFAC (Dortmund) Model: Aromatic Dicarboxylic Acid Isomer and Methyl Benzoic Acid Isomer Binaries. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22619-22625.	1.8	0
20	Solubility of succinic acid, glutaric acid and adipic acid in propionic acid + $\gamma$ -caprolactone + water mixtures: Experimental measurement and thermodynamic modeling. <i>Journal of Chemical Thermodynamics</i> , 2019, 138, 332-344.	1.0	7
21	Efficient Synthesis of 3,6-Dihydro-2H-pyrans via [3+2+1] Annulation Based on the Heteroatom-free Triatom Donor. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5392-5399.	2.1	8
22	Dimethyl Sulfoxide Oxygen Donor-Based Annulation of Ketones and Ammonium Persulfate: Regioselective Synthesis of 2,4-disubstituted Oxazoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1632-1640.	2.1	26
23	A Unified Thermodynamics Model for Solid-Liquid Equilibrium, Liquid-Liquid Equilibrium, and Vapor-Liquid Equilibrium of Cyclohexane Oxidation Systems: NRTL Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10018-10030.	1.8	17
24	Solubility of dibenzothiophene in nine organic solvents: Experimental measurement and thermodynamic modelling. <i>Journal of Chemical Thermodynamics</i> , 2019, 129, 73-82.	1.0	16
25	Direct Assembly of Polysubstituted Furans via C(sp <sup>3</sup> )-H Bond Functionalization by Using Dimethyl Sulfoxide as a Dual Synthon. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1084-1091.	2.1	31
26	Determination and Correlation for the Solubilities of Succinic Acid in Cyclohexanol + Cyclohexanone + Cyclohexane Solvent Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 801-811.	1.0	13
27	Measurement and Correlation for Solubilities of Succinic Acid and Glutaric Acid in $\gamma$ -Caprolactone + Acetic Acid Mixtures and $\gamma$ -Caprolactone + Cyclohexanone Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 298-304.	1.0	18
28	Solubility of succinic acid, glutaric acid and adipic acid in propionic acid + $\gamma$ -caprolactone mixtures and propionic acid + cyclohexanone mixtures: Experimental measurement and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2018, 272, 106-119.	2.3	11
29	Copper-Catalyzed Aerobic Oxidative Cyclization of Anilines, Aryl Methyl Ketones and DMSO: Efficient Assembly of 2-Arylquinolines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2691-2695.	2.1	51
30	Measurement and correlation for solubilities of isophthalic acid and m-toluic acid in binary acetic acid + water and acetic acid + m-xylene solvent mixtures. <i>Journal of Molecular Liquids</i> , 2018, 262, 549-555.	2.3	12
31	Transition-Metal-Free Oxidative Decarboxylative Cross Coupling of $\alpha,\beta$ -Unsaturated Carboxylic Acids with Cyclic Ethers under Air Conditions: Mild Synthesis of $\alpha$ -Oxyalkyl Ketones. <i>Journal of Organic Chemistry</i> , 2017, 82, 2965-2971.	1.7	34
32	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid and Succinic Acid in Acetic Acid + Cyclohexanone Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 1269-1277.	1.0	24
33	Transition metal-free C(sp <sup>3</sup> )-H bond coupling among three methyl groups. <i>Chemical Communications</i> , 2017, 53, 5346-5349.	2.2	57
34	Copper(I)-Catalyzed $\alpha$ -Acryloyloxylation of Ketones with $\alpha,\beta$ -Unsaturated Carboxylic Acids To Form $\alpha$ -Acryloyloxy Ketones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 734-740.	1.2	5
35	Measurement and Correlation for the Solubility of Adipic Acid and Succinic Acid in Glutaric Acid + Cyclohexanone and Glutaric Acid + Acetic Acid Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3473-3482.	1.0	14
36	Efficient and Bio-inspired Conversion of Cellulose to Formic Acid Catalyzed by Metalloporphyrins in Alkaline Solution. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1063-1068.	2.6	10

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37	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Dimethyl Adipate + Methanol Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3124-3137.	1.0	17
38	Transition Metal-Free $\gamma$ -Csp <sup>3</sup> -H Methylenation of Ketones to Form C-C Bond Using Dimethyl Sulfoxide as Carbon Source. <i>Journal of Organic Chemistry</i> , 2017, 82, 7159-7164.	1.7	71
39	Efficient Synthesis of Vinyl Sulfones by Manganese-Catalyzed Decarboxylative Coupling of Cinnamic Acids with Aromatic Sulfinic Acid Sodium Salts. <i>Synlett</i> , 2016, 27, 2695-2698.	1.0	14
40	Measurement and Correlation for Solubilities of Adipic Acid in Acetic Acid + $\gamma$ -Caprolactone Mixtures and Cyclohexanone + $\gamma$ -Caprolactone Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 2474-2480.	1.0	24
41	Copper-Catalyzed O-Methylation of Carboxylic Acids Using DMSO as a Methyl Source. <i>Synthesis</i> , 2016, 48, 421-428.	1.2	27
42	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> -mediated nitration of alkenes with NaNO <sub>2</sub> and 2,2,6,6-tetramethylpiperidine-1-oxyl: stereoselective synthesis of (E)-nitroalkenes. <i>Tetrahedron Letters</i> , 2016, 57, 80-84.	0.7	28
43	Effects of Oxygen Transfer Limitation and Kinetic Control on Biomimetic Catalytic Oxidation of Toluene. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 509-515.	1.7	7
44	Solvent-Free Aerobic Oxidation of Toluene over Metalloporphyrin/NHPI/CTAB: Synergy and Mechanism. <i>Catalysis Letters</i> , 2014, 144, 333-339.	1.4	26
45	New Group-Interaction Parameters of the UNIFAC Model: Aromatic Carboxyl Binaries. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 4099-4105.	1.8	6
46	Aerobic Oxidation of p-Toluic Acid to Terephthalic Acid over T(p-Cl)PPMnCl/Co(OAc) <sub>2</sub> Under Moderate Conditions. <i>Catalysis Letters</i> , 2010, 134, 155-161.	1.4	24
47	Measurement and Correlation of Solubilities of 4-Methylbenzoic Acid and Terephthalic Acid in Eight Organic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 0, , .	1.0	2
48	Synthesis of Non-terminal Alkenyl Ethers, Alkenyl Sulfides, and Vinylazoles from Arylaldehydes or Diarylketones, DMSO and O, S, N-Nucleophiles. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	3