

Tao Wang

List of Publications by Year in descending order

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61
papers

2,016
citations

236612

25
h-index

253896

43
g-index

77
all docs

77
docs citations

77
times ranked

1600
citing authors

#	ARTICLE	IF	CITATIONS
1	An Oxidant- and Catalyst-Free Synthesis of Dibenzo[a,c]carbazoles via UV Light Irradiation of 2,3-Diphenyl-1H-indoles. <i>Synthesis</i> , 2022, 54, 1621-1632.	1.2	1
2	Solution-processable orange-red thermally activated delayed fluorescence emitters with 3,6-disubstituted carbazole for highly efficient OLEDs with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2034-2041.	2.7	9
3	Photoinduced Annulation of <i>N</i> -Phenylbenzamides for the Synthesis of Phenanthridin-6(5 <i>H</i>)-ones. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1150-1155.	2.1	11
4	Synthesis of V-Shaped Bis-coumarins through Aldol Reaction/Double Lactonization Cascade Reaction from Bis(2-hydroxyphenyl)methanone and Meldrum's Acid. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	2
5	A Central-to-Axial Chirality Conversion Strategy for the Synthesis of <i>N</i> -Axially Chiral <i>N</i> -Arylpyrroles. <i>Organic Letters</i> , 2022, 24, 2842-2846.	2.4	11
6	Synthesis of 2-amino-2-butene-1,4-diones via three-component reactions of dihydroxyketones, amines and sulfoxonium ylides. <i>Tetrahedron Letters</i> , 2022, , 153817.	0.7	0
7	1,2-Migrations onto Gold Carbene Centers. <i>Chemical Reviews</i> , 2021, 121, 8948-8978.	23.0	122
8	1,8-Naphthalimide-based hybrids for efficient red thermally activated delayed fluorescence organic light-emitting diodes. <i>Organic Electronics</i> , 2021, 88, 106012.	1.4	14
9	Covalent Organic Frameworks in Catalytic Organic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 144-193.	2.1	49
10	Synthesis and photophysical properties of vertically π -expanded coumarins. <i>Dyes and Pigments</i> , 2021, 186, 108956.	2.0	21
11	Synthesis of 6-phenylbenzo[<i>h</i>]quinolines <i>via</i> photoinduced dehydrogenative annulation of (<i>E</i>)-2-phenyl-3-styrylpyridines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8554-8558.	1.5	1
12	Synthesis of Isatin-Hydrazones from β -Diazo Oxindoles and Sulfoxonium Ylides under Catalyst- and Additive-Free Conditions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1592-1595.	1.2	5
13	Synthesis of dibenzo[<i>e,g</i>]isoindol-1-ones via photoinduced intramolecular annulation of 3,4-diphenyl-1H-pyrrol-2(5 <i>H</i>)-ones. <i>Tetrahedron</i> , 2021, 84, 131981.	1.0	1
14	Synthesis of <i>Trans</i> -4,12-bis(3,4-dihydrodibenzo[<i>f,h</i>]quinolin-2(1 <i>H</i>)-ones and Dibenzo[<i>f,h</i>]quinolin-2(1 <i>H</i>)-ones <i>via</i> Irradiation of 6-biphenylpyridine-2(1 <i>H</i>)-ones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3554-3559.	2.1	5
15	Synthesis of <i>trans</i> -2-hydroxybenzo[<i>g</i>]furo/thieno/pyrrolo[2,3- <i>e</i>]indazoles <i>via</i> Intramolecular Dehydrogenation Photocyclization. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2213-2219.	2.6	5
16	Synthesis of <i>cis/trans</i> -dihydrochromenones via a photoinduced rearrangement of 4-phenyl-3-aryl/cyclohexenylcoumarins. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7176-7180.	1.5	2
17	Bioactivity-Guided Synthesis Accelerates the Discovery of 3-(Iso)quinolinyl-4-chromenones as Potent Fungicide Candidates. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 491-500.	2.4	38
18	Synthesis of 7-hydroxy-6-naphtho[2,3- <i>c</i>]coumarin <i>via</i> a TsOH-mediated tandem reaction. <i>Chemical Communications</i> , 2020, 56, 10369-10372.	2.2	6

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19	5-Expanded Coumarins: One-Pot Photo Synthesis of 5-Hydroxy-Benzo[12,1]tetrapheno[7,6,5-cde]chromen-5-ones and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2020, 85, 3689-3698.	1.7	23
20	Stereoselective Synthesis of 3-Alkylideneoxindoles via Gold(I)-Catalyzed Cross-Coupling of 3-Diazooxindoles with Diazoesters. <i>Journal of Organic Chemistry</i> , 2020, 85, 5863-5871.	1.7	9
21	Catalyst- and Additive-Free Cascade Reaction of Isoquinoline N-Oxides with Alkynes: An Approach to Benzoazepino[2,1-a]isoquinoline Derivatives. <i>Organic Letters</i> , 2019, 21, 5630-5633.	2.4	16
22	Gold(I)-Catalyzed Synthesis of Six-Membered P,O-Heterocycles via Hydration/Intramolecular Cyclization Cascade Reaction. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4227-4231.	2.1	5
23	Syntheses of Benzofuranoquinolines and Analogues via Photoinduced Acceptorless Dehydrogenative Annulation of Oxophenylfuranopyridines. <i>Organic Letters</i> , 2019, 21, 9183-9187.	2.4	24
24	Two-Step Synthesis of 5-Expanded Maleimides from 3,4-Diphenylfuran-2(5H)-ones. <i>Journal of Organic Chemistry</i> , 2019, 84, 12387-12398.	1.7	16
25	Highly efficient electroluminescence from evaporation- and solution-processable orange-red thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12321-12327.	2.7	31
26	Synthesis of (2-hydroxyphenyl)(fusedphenyl)methanones via the photo-induced rearrangement of 2-aryliso flavones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 851-858.	1.5	3
27	Metal-Free Synthesis of 3-(Iso)quinolinyl 4-Chromenones and 3-(Iso)quinolinyl 4-Quinolones from (Iso)quinoline N-Oxides and Ynones. <i>Organic Letters</i> , 2019, 21, 9995-9998.	2.4	16
28	Synthesis of 4-(Iso)Quinolinylnaphthalenones from (Iso)Quinoline N-Oxides and 1,4-Diynones: A Comparison of Copper Catalysis and Metal-Free Reaction. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 696-701.	2.1	27
29	One-pot synthesis of 3-fluoroflavones via 1-(2-hydroxyphenyl)-3-phenylpropane-1,3-diones and selectfluor at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2479-2488.	1.5	17
30	Synthesis of Polycyclic Heteroaromatic Coumarins via Photoinduced Dehydrogenative Annulation of 4-Phenyl-3-heteroaryl coumarins. <i>Journal of Organic Chemistry</i> , 2018, 83, 13940-13948.	1.7	28
31	Gold(I)-Catalyzed Dimerization of 3-Diazooxindoles towards Isoindigos. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4475-4478.	1.2	20
32	Gold-Catalyzed Transformations of Propargyl Alcohols and Propargyl Amines. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1758-1783.	1.3	38
33	One-pot synthesis of 3-(furan-2-yl)-4-hydroxy-2H-chromen-2-ones using K10 montmorillonite clay as heterogeneous catalyst. <i>Tetrahedron</i> , 2018, 74, 4712-4720.	1.0	7
34	Transition-Metal-Free Photoinduced Intramolecular Annulation of 2,3-Di(hetero)arylchromen-4-one. <i>Organic Letters</i> , 2017, 19, 3552-3555.	2.4	33
35	Oxidant and Transition-Metal-Free Photoinduced Direct Oxidative Annulation of 1-Aryl-2-(furan/thiophen-2-yl)butane-1,3-diones. <i>Journal of Organic Chemistry</i> , 2017, 82, 12097-12105.	1.7	25
36	Gold-Catalyzed Synthesis of 1-(Furan-3-yl)-1,2-diones. <i>Journal of Organic Chemistry</i> , 2017, 82, 11644-11654.	1.7	16

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37	Synthesis of Benzoaryl-5-yl(2-hydroxyphenyl)methanones via Photoinduced Rearrangement of (<i>E</i>)-3-Arylvinyl-4<i>H</i>-chromen-4-ones. <i>Organic Letters</i> , 2017, 19, 5984-5987.	2.4	44
38	Annulation of 2,3-diphenyl-4H-chromen-4-ones via photo-induced hydrogen evolution. <i>RSC Advances</i> , 2017, 7, 44333-44339.	1.7	15
39	Photo-induced tandem cyclization of 3-iodoflavones with electron rich five-membered heteroarenes. <i>RSC Advances</i> , 2017, 7, 43206-43211.	1.7	12
40	Cascade C=O/C=C/N Bond Formation: Metal-Free Reactions of 1,4-Diynes and 1-En-4-yn-3-ones with Isoquinoline and Quinoline N-Oxides. <i>Organic Letters</i> , 2017, 19, 4327-4330.	2.4	38
41	One-Pot Synthesis of Heteroaryl-Substituted Pyrazoles: A Gold-Catalyzed Oxidation/1,2-Heteroaryl Migration Cascade Constitutes the Key Step. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1534-1539.	2.1	34
42	Synthesis of 3-Formylfurans via a Silver(I)-Catalyzed Epoxide Ring-Opening/1,2-Acyl Migration/Cyclization Cascade. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3943-3948.	2.1	9
43	Story of an Age-Old Reagent: An Electrophilic Chlorination of Arenes and Heterocycles by 1-Chloro-1,2-benziodoxol-3-one. <i>Organic Letters</i> , 2016, 18, 1976-1979.	2.4	90
44	One-pot synthesis of 3-(furan-2-yl)-4H-chromen-4-ones from 1-(2-hydroxyphenyl)butane-1,3-diones and 2,5-dimethoxy-2,5-dihydrofuran catalyzed via K10 montmorillonite under solvent-free conditions. <i>Green Chemistry</i> , 2016, 18, 4092-4097.	4.6	14
45	Synthesis of polybenzoquinazolines via an intramolecular dehydration of photocyclization. <i>Tetrahedron</i> , 2016, 72, 5037-5046.	1.0	22
46	Synthesis of 3-heteroarylchromones via a photochemical reaction. <i>Molecular Diversity</i> , 2016, 20, 9-16.	2.1	11
47	Synthesis of Dibenzo[f,h][1,2,4]triazolo[3,4-b]quinazolines via a Two-Step Route with Water as the Only By-Product. <i>Synthesis</i> , 2015, 47, 3385-3391.	1.2	19
48	Synthesis of 2,5-Dihydrofurans via a Gold(I)-Catalyzed Formal [4 + 1] Cycloaddition of α -Diazoesters and Propargyl Alcohols. <i>Organic Letters</i> , 2015, 17, 5124-5127.	2.4	65
49	Synthesis of Highly Substituted 3-Formylfurans by a Gold(I)-Catalyzed Oxidation/1,2-Alkynyl Migration/Cyclization Cascade. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3715-3719.	7.2	151
50	Gold(I)-Catalyzed Diastereoselective Hydroacylation of Terminal Alkynes with Glyoxals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1148-1151.	7.2	60
51	Synthesis of Polycyclic Indole Skeletons by a Gold(I)-Catalyzed Cascade Reaction. <i>Chemistry - A European Journal</i> , 2014, 20, 292-296.	1.7	40
52	Synthesis of Highly Substituted N-(Furan-3-ylmethylene)benzenesulfonamides by a Gold(I)-Catalyzed Oxidation/1,2-Alkynyl Migration/Cyclization Cascade. <i>Chemistry - A European Journal</i> , 2014, 20, 14868-14871.	1.7	60
53	Synthesis of Fully Substituted 3-Formyl-4-iodofurans via a Gold(I)-Catalyzed Oxidation/1,2-Alkynyl Migration/Cyclization/Iodination Cascade. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2337-2342.	2.1	86
54	Chemoselectivity Control: Gold(I)-Catalyzed Synthesis of 6,7-Dihydrobenzofuran-4(5H)-ones and Benzofurans from 1-(Alkynyl)-7-oxabicyclo[4.1.0]heptan-2-ones. <i>Chemistry - A European Journal</i> , 2013, 19, 12512-12516.	1.7	32

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55	Gold-Catalyzed Synthesis of Glyoxals by Oxidation of Terminal Alkynes: One-Pot Synthesis of Quinoxalines. <i>Chemistry - A European Journal</i> , 2013, 19, 6576-6580.	1.7	124
56	Nitrones as Trapping Reagents of \hat{C}^{\pm} Unsaturated Carbene Intermediates in [1,2]Oxazino[5,4-b]indoles by a Platinum-Catalyzed Intermolecular [3+3] Cycloaddition. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1523-1528.	2.1	35
57	Regioselectivity Switch: Gold(I)-Catalyzed Oxidative Rearrangement of Propargyl Alcohols to 1,3-Diketones. <i>Journal of Organic Chemistry</i> , 2012, 77, 7761-7767.	1.7	132
58	Unexpected C-C bond cleavage of epoxide motif: Rhodium-catalyzed tandem heterocyclization/[4+1] cycloaddition of 1-(1-alkynyl)oxiranyl ketones. <i>Chemical Communications</i> , 2011, 47, 5578-5580.	2.2	51
59	Chemoselective C-C Bond Cleavage of Epoxide Motifs: Gold(I)-Catalyzed Diastereoselective [4+3] Cycloadditions of 1-(1-alkynyl)oxiranyl Ketones and Nitrones. <i>Chemistry - A European Journal</i> , 2011, 17, 86-90.	1.7	80
60	Synthesis of 2-acylfurans from 3-(1-alkynyl)-2-alken-1-ones via the oxidation of gold-carbene intermediates by H ₂ O ₂ . <i>Dalton Transactions</i> , 2010, 39, 4270.	1.6	72
61	Ag(I)-Catalyzed Synthesis of 2-Aminoquinolines from 1-Aminobutadiynes and Anilines. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	6