

Quan-Rui Wang

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86 papers	933 citations	18 h-index	26 g-index
100 ext. papers	1,030 ext. citations	3.6 avg, IF	3.73 L-index

#	Paper	IF	Citations
86	Gold-catalyzed cycloisomerization of cyclopropyl alkynyl acetates: a versatile approach to 5-, 6-, and 7-membered carbocycles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 10110-3	16.4	83
85	Preparation of polymer-supported Ru-TsDPEN catalysts and use for enantioselective synthesis of (S)-fluoxetine. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2513-8	3.9	66
84	1,2,4-Triazolium Salts from the Reaction of 1-Aza-2-azoniaallene Salts with Nitriles. <i>Synthesis</i> , 1992 , 1992, 710-718	2.9	49
83	[3+2]-cycloadditions of 1-Aza-2-azoniaallene cations to multiple bonds. <i>Tetrahedron</i> , 1993 , 49, 9973-9986	2.4	43
82	Chiral 1,2-Cyclohexane-Bridged Bis-NHC Palladium Catalysts for Asymmetric Suzuki-Miyaura Coupling: Synthesis, Characterization, and Steric Effects on Enantiocontrol. <i>Organometallics</i> , 2014 , 33, 876-884	3.8	34
81	Tandem nucleophilic addition/oxy-2-azonia-Cope rearrangement for the formation of homoallylic amides and lactams: total synthesis and structural verification of motuporamine G. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20009-12	16.4	33
80	Efficient macrocyclization by a novel oxy-oxonia-Cope reaction: synthesis and olfactory properties of new macrocyclic musks. <i>Chemistry - A European Journal</i> , 2012 , 18, 7010-5	4.8	27
79	6H-Pyrrolo[3,2-b:4,5-b']bis[1,4]benzothiazines: facily synthesized semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4814		27
78	Tandem cross-dimerisation/oxonia-cope reaction of carbonyl compounds to homoallylic esters and lactones. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5647-51	16.4	25
77	Organocatalytic multicomponent alpha-methylenation/Diels-Alder reactions: a versatile route to substituted cyclohexenecarbaldehyde derivatives. <i>Chemistry - A European Journal</i> , 2008 , 14, 5335-45	4.8	25
76	On the Reaction of 1-Aza-2-azoniaallene Salts with Acetylenes. <i>Chemische Berichte</i> , 1994 , 127, 541-547		25
75	Cationic Gold(I)-Catalyzed Intermolecular [4+2] Cycloaddition between Dienes and Allenyl Ethers. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 550-556	5.6	24
74	Gold-Catalyzed Cycloisomerization of Cyclopropyl Alkynyl Acetates: A Versatile Approach to 5-, 6-, and 7-Membered Carbocycles. <i>Angewandte Chemie</i> , 2008 , 120, 10264-10267	3.6	24
73	Prototropy in the System -ClCH-N=N-; Cycloadditions of 1-Aza-2-azoniaallene Cations Derived from Aldehydes. <i>Synthesis</i> , 1996 , 1996, 274-280	2.9	23
72	On the Reaction of 1-Aza-2-azoniaallene Salts with Isocyanates. <i>Chemische Berichte</i> , 1994 , 127, 947-953		22
71	On the Reaction of 1-Aza-2-azoniaallene Salts with Carbodiimides. <i>Chemische Berichte</i> , 1993 , 126, 2519-2524		21
70	Catalytic Asymmetric Prins Bicyclization for the endo-Selective Formation of 2,6-dioxabicyclo[2.2.2]octanes. <i>Chemistry - A European Journal</i> , 2016 , 22, 6258-61	4.8	20

69	Unexpected cycloisomerizations of nonclassical carbocation intermediates in gold(I)-catalyzed homo-Rautenstrauch cyclizations. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5825-31	4.2	18
68	Preparation of a Nafion [®] /Teflon bimembrane-supported palladium catalyst and its use in the Heck reaction. <i>Tetrahedron Letters</i> , 2005 , 46, 6159-6162	2	17
67	Highly efficient asymmetric transfer hydrogenation of ketones in emulsions. <i>Catalysis Communications</i> , 2010 , 11, 480-483	3.2	16
66	The synthesis of supported proline-derived ligands and their application in asymmetric diethylzinc addition to aldehydes. <i>Journal of Molecular Catalysis A</i> , 2007 , 276, 137-142		14
65	Synthesis, structural characterization and catalytic property of group 4 metal complexes bearing novel salalen-type ligands. <i>Journal of Organometallic Chemistry</i> , 2013 , 741-742, 83-90	2.3	13
64	Annulated 1,2,4-Triazoles. A Convenient Synthesis of Thieno[2,3-f][1,2,4]triazolo[1,5-a]azepines: A Novel Triheterocyclic Ring System. <i>Synthesis</i> , 2003 , 2003, 1231-1235	2.9	13
63	Irreversible Oxy-2-azonia-Cope Rearrangements for the Synthesis of Functionalized Allyl α -Amino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 2379-2385	3.2	12
62	Insight into the role of fluorinated dendrimers in ruthenium(II) catalyst for asymmetric transfer hydrogenation: The stabilizing effects from experimental and DFT approach. <i>Journal of Molecular Catalysis A</i> , 2014 , 387, 92-102		12
61	New Chiral N, 5-Ligands with Thiophenyl at Benzylic Position. Palladium (II)-catalyzed Enantioselective Allylic Alkylation. <i>Chinese Journal of Chemistry</i> , 2010 , 20, 816-818	4.9	12
60	An Expedient Synthesis of Novel [1,2,4]Triazolo[3,2-d][1,5]Benzothiazepine Derivatives. <i>Synthesis</i> , 2000 , 2000, 435-441	2.9	12
59	Tandem Cross-Dimerisation/Oxonia-Cope Reaction of Carbonyl Compounds to Homoallylic Esters and Lactones. <i>Angewandte Chemie</i> , 2012 , 124, 5745-5749	3.6	10
58	IBD-mediated oxidative cyclization of pyrimidinylhydrazones and concurrent Dimroth rearrangement: Synthesis of [1,2,4]triazolo[1,5-c]pyrimidine derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 2629-34	2.5	10
57	Foldamer-Derived Preorganized Bi- and Tri-zinc Porphyrin Tweezers for a Pentafluorobenzene-bearing Pyridine Guest: The Binding Pattern Study. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 582-588	4.9	10
56	Novel electron donors containing multi-TTF units: synthesis and electrochemical properties. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 2157-9	3.9	10
55	A novel oxy-oxonia(azonia)-cope reaction: serendipitous discovery and its application to the synthesis of macrocyclic musks. <i>Chemistry and Biodiversity</i> , 2014 , 11, 1608-28	2.5	9
54	Synthesis and electrochemical properties of novel oligo-TTF donors. <i>Synthetic Metals</i> , 2009 , 159, 735-740	3.6	9
53	An Efficient Approach to the [1,2,4]-Triazolo[3,2-d][1,5]Benzoxazepine Skeleton-A Novel Tricyclic Ring System. <i>Synthetic Communications</i> , 2000 , 30, 119-130	1.7	8
52	Hydrogen Bonded Semi-Rigidified Bispyridyl-Incorporating Aryl Amide Oligomers: Efficient "C"-Styled Receptors for Aliphatic Ammoniums, a Remarkable Protonation Effect and Chiral Induction. <i>Chinese Journal of Chemistry</i> , 2007 , 25, 1417-1422	4.9	7

51	A FACIAL SYNTHESIS OF THE NEUTRAL [1,2,4]TRIAZOLO- [3,2-d][1,5]BENZOXAZEPINES AND THEIR CHALCOGEN-ANALOGUES. <i>Synthetic Communications</i> , 2002 , 32, 1327-1335	1.7	7
50	Synthesis of Unprecedented Benzofused [1,2,4]-Triazoloquinazolines via Benzyne DielsAlder Reaction with 7-Vinyl-[1,2,4]triazolo[1,5-c]pyrimidines as Dienes. <i>Synlett</i> , 2015 , 26, 931-936	2.2	6
49	Removable Silyl Group as a Masked ProtonIn Oxy-2-oxonia(azonia)-Cope Rearrangement: Applications in Stereoselective Total Synthesis of Natural Macrolides. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4982-4989	3.2	6
48	A theoretical investigation on the cycloaddition reaction between azocarbenium ions and nitriles. <i>International Journal of Quantum Chemistry</i> , 2008 , 108, 1067-1075	2.1	6
47	1,3-Dipolar cycloadditions of 9-diazofluorenes and diphenyldiazomethane to 2-acyl-2H-1,2,3-diazaphospholes. <i>Journal of Heterocyclic Chemistry</i> , 2006 , 43, 353-359	1.9	6
46	A New Family of Rigid Dienone Musks Challenges the Perceptive Range of the Human Olfactory Receptor OR5AN1. <i>Synlett</i> , 2020 , 31, 972-976	2.2	5
45	Palladium-Catalyzed Synthesis of 1H-Pyrazolo[4,3-c]quinolines and 4-Anilinoquinoline-3-carbonitriles from 4-Chloroquinoline-3-carbaldehydes. <i>Synthesis</i> , 2015 , 47, 3139-3146	2.9	5
44	A Novel Palladium-catalyzed Amination of Aryl Halides with Amines Using rac-P-Phos as the Ligand. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 1382-1386	4.9	5
43	Evans Auxiliary' Based P-N Ligands for Pd-Catalyzed Asymmetric Allylic Alkylation Reactions. <i>Synlett</i> , 2012 , 23, 1805-1808	2.2	5
42	Trans-1,2-diphenylethylene bridged salicylaldiminatoIsoindoline titanium(IV) chloride complexes: Synthesis, characterization and catalytic polymerization. <i>Journal of Organometallic Chemistry</i> , 2013 , 724, 155-162	2.3	4
41	Synthesis of 8-Bromo-7-chloro[1,2,4]triazolo[4,3-c]pyrimidines, Their Ring Rearrangement to [1,5-c] Analogues, and Further Diversification. <i>Synthesis</i> , 2014 , 46, 2734-2746	2.9	4
40	trans-1,2-Diphenylethylene Linked IsoindolineSalicylaldiminato Nickel(II) Halide Complexes: Synthesis, Structure, Dehydrogenation, and Catalytic Activity toward Olefin Homopolymerization. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2093-2101	2.3	4
39	A density functional theory study on the Diels-Alder reactions with vinylallenes as dienes. <i>International Journal of Quantum Chemistry</i> , 2011 , 111, 3805-3815	2.1	4
38	Synthesis and Properties of Heteroacenes Containing Pyrrole and Thiazine Rings as Promising n-Type Organic Semiconductor Candidates. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 846-849	4.9	4
37	Palladium Catalyzed Suzuki Cross-coupling Reaction in Molten Tetra-r)-butylammonium Bromide. <i>Chinese Journal of Chemistry</i> , 2010 , 22, 215-218	4.9	4
36	A General Synthesis of Furo[3,2-c][1,2,4]triazolo[1,5-a]azepine and Furo[2,3-f][1,2,4]triazolo[1,5-a]azepine Derivatives. <i>Synthesis</i> , 2007 , 2007, 33-38	2.9	4
35	Synthesis of 2-Oxo-[1,2,4]triazolo[3,2-d][1,5]benzoxazepines: A Kind of Novel Tricyclic O,N-Heterocycles. <i>Synthetic Communications</i> , 2004 , 34, 1691-1702	1.7	4
34	Synthesis of Hydroxycedranone and Aminohydroxycedrane. <i>Synthetic Communications</i> , 1999 , 29, 4171-4178	4.7	4

33	A novel synthetic route to rac -(Z)-recifeiolide from cyclooctanone and acetaldehyde. <i>Chinese Chemical Letters</i> , 2015 , 26, 1393-1396	8.1	3
32	Synthesis of Triazolodiazepinium Salts: Sequential [3+2] Cycloaddition/Rearrangement Reaction of 1-Aza-2-azoniaallenium Cation Intermediates Generated from Piperidin-4-ones. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3441-3452	4.2	3
31	A DFT study on the mechanisms for the cycloaddition reactions between 1-aza-2-azoniaallene cations and acetylenes. <i>Journal of Molecular Modeling</i> , 2013 , 19, 83-95	2	3
30	A DFT study on the mechanisms for the cycloaddition reactions between 1-Aza-2-azoniaallene cations and carbodiimides. <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 809-822	2.1	3
29	An Efficient Synthesis of [1, 2, 4]Triazolo[3, 2=d][1, 5]benzoxazepin-2-thiones, a Kind of Novel Tricyclic O, N-Heterocycles. <i>Chinese Journal of Chemistry</i> , 2010 , 22, 290-295	4.9	3
28	Synthesis of 2-Acyl-2H-1,2,3-diazaphospholes and their diels-alder reaction with cyclopentadiene. <i>Chinese Journal of Chemistry</i> , 2010 , 22, 1003-1007	4.9	3
27	Cation radical salts of ethylenedisulfanyl-bridged dimeric ethylenedithiotetrathiafulvalene with 2,3,5,6-tetrafluoro-7,7,8,8-tetracyanoquinodimethane (TCNQF4), PF ₆ ⁻ AsF ₆ ⁻ and BF ₄ ⁻ synthesis, structure and conducting properties. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1646-1651		3
26	A General and Efficient Method for the Synthesis of 9-Trifluoromethylated [1,2,4]Triazolo[1,5-a]azepine Derivatives. <i>Synthesis</i> , 2002 , 2002, 349-354	2.9	3
25	A Facile Approach To 5-Trifluoromethylated 1,2,4-Triazole Derivatives. <i>Synthetic Communications</i> , 2000 , 30, 4255-4262	1.7	3
24	Preparation of Cedranediol Boronic Esters. <i>Synthetic Communications</i> , 1998 , 28, 3757-3764	1.7	3
23	Asymmetric Homologation of Cedranediol Boronic Esters and X-Ray Structure of Cedranediol 1-Chloro-1- Phenylmethylboronate. <i>Synthetic Communications</i> , 1999 , 29, 415-422	1.7	3
22	Cascade intramolecular Prins/Friedel-Crafts cyclization for the synthesis of 4-aryltetralin-2-ols and 5-aryltetrahydro-5-benzo[7]annulen-7-ols. <i>Beilstein Journal of Organic Chemistry</i> , 2021 , 17, 1481-1489	2.5	3
21	A Practical Domino-Claisen-Doi Sequence in the Synthesis of New Blooming Citrus and Potent Floral Rose Alcohols. <i>Helvetica Chimica Acta</i> , 2017 , 100, e1700200	2	2
20	Synthesis of new tricyclic 5,6-dihydro-4-benzo[1,2,4]triazolo[1,5-][1,4]diazepine derivatives by [3 + 2]-cycloaddition/rearrangement reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 1826-1833	2.5	2
19	A Novel Construction of 2-Benzazepine Scaffold Based on TiCl ₄ -Mediated Tandem Mannich Reaction/Aromatic Electrophilic Substitution. <i>Helvetica Chimica Acta</i> , 2009 , 92, 2754-2761	2	2
18	Diels-Alder Reactions of Ethyl 3-Bromoacrylate with Open-chain Dienes/Synthesis of Ethyl 1,3-/1,4-Cyclohexadienecarboxylates. <i>Chinese Journal of Chemistry</i> , 2010 , 28, 613-616	4.9	2
17	DBU-mediated Ireland-Claisen rearrangement of allyl alk-3-enoates: an efficient synthesis of 2-ethylidene-1,3-unsaturated carboxylic acids. <i>Tetrahedron</i> , 2007 , 63, 9605-9613	2.4	2
16	A Facile Approach to 4,5-Dihydro[1,2,4]triazolo[3,2-d][1,5]benzoxazepines. <i>Synthesis</i> , 2007 , 2007, 1629-1634	1.3	2

15	Oxovanadium-catalysed domino reactions of hydroxy enynes for the construction of Cashmeran-like odorants. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 7832-7836	3.9	2
14	Synthesis of Antimicrobial Benzo[1,2,4]triazoloazepinium Salts and Tetrahydronaphtho[1,2-][1,2,4]triazines by Polar [3 + 2] and [4 + 2]-Cycloaddition Reactions.. <i>Journal of Organic Chemistry</i> , 2021 ,	4.2	2
13	Theoretical investigation on SnCl ₄ -catalyzed tandem dimerization/oxy-2-azonia-Cope rearrangements between β -unsaturated ketones and imines. <i>Theoretical Chemistry Accounts</i> , 2015 , 134, 1	1.9	1
12	Synthesis of Dihydromotuporamine C via 3-Azonia-Cope Rearrangement of 11-Membered Cyclic β -Vinylamine. <i>ChemistrySelect</i> , 2020 , 5, 14661-14665	1.8	1
11	Synthesis of [1,2,4]-triazolo-annulated 3-aza-A-homocholestanes--a novel class of pentacyclic compounds. <i>Steroids</i> , 2012 , 77, 521-7	2.8	1
10	Synthesis and Crystal Structure of [1,2,4]-Triazolo-annulated 3-Aza-A-homocholestane Derivative: A Novel Pentaheterocyclic Ring System. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 316-321	0.5	1
9	Markovnikov Regiocontrol in Hydroboration of Alkene by Trifluoromethyl Substituent. <i>Chinese Journal of Chemistry</i> , 2010 , 19, 296-298	4.9	1
8	A facile route to poly[1-(2,4,6-trichlorophenyl)-1H-1,2,4-triazol-5-yl]alkane derivatives. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 991-995		1
7	The crystal structure of 9-chloro-4,5-dihydro-2-ethyl-1-(2,4,6-trichlorophenyl)-1H-1,2,4-triazolo[3,2-d][1,5]-benzoxazepinium hexachloroantimonate. <i>Journal of Heterocyclic Chemistry</i> , 2000 , 37, 287-290	1.9	1
6	Tandem Cross-Coupling of Alkynyl Sulfides and Alkynyl Sulfoxides/[3,3]-Sulfonium Rearrangement to Construct Tetrasubstituted Furans.. <i>Organic Letters</i> , 2022 , 24, 757-761	6.2	1
5	Total Synthesis of Marine Alkaloids Motuporamines A and B via Ring Expansion of Cyclic β -Keto Esters. <i>ACS Omega</i> , 2021 , 6, 881-888	3.9	1
4	Copper-catalyzed cross-coupling of amino acid-derived amides with (Z)-vinyl iodides: Unexpected solvent effect and preparation of plocabulin. <i>Tetrahedron</i> , 2021 , 83, 131953	2.4	1
3	A Convenient Synthesis of 4,5-Diaryl-1,8-Dihalo-3,6-Dioxaoctanes. <i>Synthetic Communications</i> , 2000 , 30, 4097-4105	1.7	0
2	Synthesis of the analogs of plocabulin and their preliminary structure-activity relationship study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 51, 128355	2.9	0
1	Asymmetric Reduction of Ketones87-159		0