

# Quan-Rui Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Tandem Cross-Coupling of Alkynyl Sulfides and Alkynyl Sulfoxides/[3,3]-Sulfonium Rearrangement to Construct Tetrasubstituted Furans.. <i>Organic Letters</i> , <b>2022</b> , 24, 757-761	6.2	1
85	Total Synthesis of Marine Alkaloids Motuporamines A and B via Ring Expansion of Cyclic $\beta$ -Keto Esters. <i>ACS Omega</i> , <b>2021</b> , 6, 881-888	3.9	1
84	Copper-catalyzed cross-coupling of amino acid-derived amides with (Z)-vinyl iodides: Unexpected solvent effect and preparation of plocabulin. <i>Tetrahedron</i> , <b>2021</b> , 83, 131953	2.4	1
83	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> , <b>2021</b> , 17, 1481-1489	2.5	3
82	Synthesis of the analogs of plocabulin and their preliminary structure-activity relationship study. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 51, 128355	2.9	0
81	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> , <b>2021</b> ,	4.2	2
80	Synthesis of Dihydromotuporamine C via 3-Azonia-Cope Rearrangement of 11-Membered Cyclic $\beta$ -Vinylamine. <i>ChemistrySelect</i> , <b>2020</b> , 5, 14661-14665	1.8	1
79	A New Family of Rigid Dienone Musks Challenges the Perceptive Range of the Human Olfactory Receptor OR5AN1. <i>Synlett</i> , <b>2020</b> , 31, 972-976	2.2	5
78	Oxovanadium-catalysed domino reactions of hydroxy enynes for the construction of Cashmeran-like odorants. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 7832-7836	3.9	2
77	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> , <b>2018</b> , 83, 3441-3452	4.2	3
76	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> , <b>2018</b> , 14, 1826-1833	2.5	2
75	A Practical Domino-Claisen-Cope Sequence in the Synthesis of New Blooming Citrus and Potent Floral Rose Alcohols. <i>Helvetica Chimica Acta</i> , <b>2017</b> , 100, e1700200	2	2
74	Catalytic Asymmetric Prins Bicyclization for the endo-Selective Formation of 2,6-dioxabicyclo[2.2.2]octanes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6258-61	4.8	20
73	Synthesis of Unprecedented Benzofused [1,2,4]-Triazoloquinazolines via Benzyne Diels-Alder Reaction with 7-Vinyl-[1,2,4]triazolo[1,5-c]pyrimidines as Dienes. <i>Synlett</i> , <b>2015</b> , 26, 931-936	2.2	6
72	Theoretical investigation on SnCl <sub>4</sub> -catalyzed tandem dimerization/oxy-2-azonia-Cope rearrangements between $\alpha,\beta$ -unsaturated ketones and imines. <i>Theoretical Chemistry Accounts</i> , <b>2015</b> , 134, 1	1.9	1
71	A novel synthetic route to rac -(Z)-recifeiolide from cyclooctanone and acetaldehyde. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 1393-1396	8.1	3
70	Removable Silyl Group as a Masked Proton in Oxy-2-oxonia(azonia)-Cope Rearrangement: Applications in Stereoselective Total Synthesis of Natural Macrolides. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 4982-4989	3.2	6

69	Palladium-Catalyzed Synthesis of 1H-Pyrazolo[4,3-c]quinolines and 4-Anilinoquinoline-3-carbonitriles from 4-Chloroquinoline-3-carbaldehydes. <i>Synthesis</i> , <b>2015</b> , 47, 3139-3146	2.9	5
68	Irreversible Oxy-2-azonia-Cope Rearrangements for the Synthesis of Functionalized Allyl $\beta$ -Amino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 2379-2385	3.2	12
67	Chiral 1,2-Cyclohexane-Bridged Bis-NHC Palladium Catalysts for Asymmetric Suzuki-Miyaura Coupling: Synthesis, Characterization, and Steric Effects on Enantiocontrol. <i>Organometallics</i> , <b>2014</b> , 33, 876-884	3.8	34
66	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> , <b>2014</b> , 46, 2734-2746	2.9	4
65	A novel oxy-oxonia(azonia)-cope reaction: serendipitous discovery and its application to the synthesis of macrocyclic musks. <i>Chemistry and Biodiversity</i> , <b>2014</b> , 11, 1608-28	2.5	9
64	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> , <b>2014</b> , 387, 92-102		12
63	Synthesis, structural characterization and catalytic property of group 4 metal complexes bearing novel salalen-type ligands. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 741-742, 83-90	2.3	13
62	Trans-1,2-diphenylethylene bridged salicylaldiminatoisoindoline titanium(IV) chloride complexes: Synthesis, characterization and catalytic polymerization. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 724, 155-162	2.3	4
61	A DFT study on the mechanisms for the cycloaddition reactions between 1-aza-2-azoniaallene cations and acetylenes. <i>Journal of Molecular Modeling</i> , <b>2013</b> , 19, 83-95	2	3
60	trans-1,2-Diphenylethylene Linked Isoindoline-Salicylaldiminato Nickel(II) Halide Complexes: Synthesis, Structure, Dehydrogenation, and Catalytic Activity toward Olefin Homopolymerization. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 2093-2101	2.3	4
59	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> , <b>2013</b> , 9, 2629-34	2.5	10
58	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> , <b>2013</b> , 31, 582-588	4.9	10
57	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> , <b>2012</b> , 134, 20009-12	16.4	33
56	Synthesis of [1,2,4]-triazolo-annulated 3-aza-A-homocholestanes--a novel class of pentacyclic compounds. <i>Steroids</i> , <b>2012</b> , 77, 521-7	2.8	1
55	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> , <b>2012</b> , 112, 809-822	2.1	3
54	Tandem Cross-Dimerisation/Oxonia-Cope Reaction of Carbonyl Compounds to Homoallylic Esters and Lactones. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 5745-5749	3.6	10
53	Tandem cross-dimerisation/oxonia-cope reaction of carbonyl compounds to homoallylic esters and lactones. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5647-51	16.4	25
52	Efficient macrocyclization by a novel oxy-oxonia-Cope reaction: synthesis and olfactory properties of new macrocyclic musks. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 7010-5	4.8	27

51	Evans Auxiliary' Based P-N Ligands for Pd-Catalyzed Asymmetric Allylic Alkylation Reactions. <i>Synlett</i> , <b>2012</b> , 23, 1805-1808	2.2	5
50	Unexpected cycloisomerizations of nonclassical carbocation intermediates in gold(I)-catalyzed homo-Rautenstrauch cyclizations. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 5825-31	4.2	18
49	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> , <b>2011</b> , 41, 316-321	0.5	1
48	A density functional theory study on the Diels-Alder reactions with vinylallenes as dienes. <i>International Journal of Quantum Chemistry</i> , <b>2011</b> , 111, 3805-3815	2.1	4
47	Cationic Gold(I)-Catalyzed Intermolecular [4+2] Cycloaddition between Dienes and Allenyl Ethers. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 550-556	5.6	24
46	Highly efficient asymmetric transfer hydrogenation of ketones in emulsions. <i>Catalysis Communications</i> , <b>2010</b> , 11, 480-483	3.2	16
45	Markovnikov Regiocontrol in Hydroboration of Alkene by Trifluoromethyl Substituent. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 19, 296-298	4.9	1
44	New Chiral N, 5-Ligands with Thiophenyl at Benzylic Position. Palladium (II)-catalyzed Enantioselective Allylic Alkylation. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 20, 816-818	4.9	12
43	Palladium Catalyzed Suzuki Cross-coupling Reaction in Molten Tetra-r)-butylammonium Bromide. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 22, 215-218	4.9	4
42	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> , <b>2010</b> , 22, 290-295	4.9	3
41	Synthesis of 2-Acyl-2H-1,2,3-diazaphospholes and their diels-alder reaction with cyclopentadiene. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 22, 1003-1007	4.9	3
40	Diels-Alder Reactions of Ethyl Bromoacrylate with Open-chain DienesSynthesis of Ethyl 1,3-/1,4-Cyclohexadienecarboxylates. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 28, 613-616	4.9	2
39	A Novel Construction of 2-Benzazepine Scaffold Based on TiCl <sub>4</sub> -Mediated Tandem Mannich ReactionAromatic Electrophilic Substitution. <i>Helvetica Chimica Acta</i> , <b>2009</b> , 92, 2754-2761	2	2
38	Synthesis and Properties of Heteroacenes Containing Pyrrole and Thiazine Rings as Promising n-Type Organic Semiconductor Candidates. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 846-849	4.9	4
37	A Novel Palladium-catalyzed Amination of Aryl Halides with Amines Using rac-P-Phos as the Ligand. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 1382-1386	4.9	5
36	Synthesis and electrochemical properties of novel oligo-TTF donors. <i>Synthetic Metals</i> , <b>2009</b> , 159, 735-740	9.6	9
35	6H-Pyrrolo[3,2-b:4,5-b']bis[1,4]benzothiazines: facilely synthesized semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 4814		27
34	A theoretical investigation on the cycloaddition reaction between azocarbenium ions and nitriles. <i>International Journal of Quantum Chemistry</i> , <b>2008</b> , 108, 1067-1075	2.1	6

33	Organocatalytic multicomponent alpha-methylenation/Diels-Alder reactions: a versatile route to substituted cyclohexenecarbaldehyde derivatives. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 5335-45	4.8	25
32	Gold-catalyzed cycloisomerization of cyclopropyl alkynyl acetates: a versatile approach to 5-, 6-, and 7-membered carbocycles. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 10110-3	16.4	83
31	Gold-Catalyzed Cycloisomerization of Cyclopropyl Alkynyl Acetates: A Versatile Approach to 5-, 6-, and 7-Membered Carbocycles. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 10264-10267	3.6	24
30	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> , <b>2007</b> , 25, 1417-1422	4.9	7
29	DBU-mediated Ireland-Claisen rearrangement of allyl alk-3-enoates: an efficient synthesis of 2-ethylidene- $\alpha$ -unsaturated carboxylic acids. <i>Tetrahedron</i> , <b>2007</b> , 63, 9605-9613	2.4	2
28	The synthesis of supported proline-derived ligands and their application in asymmetric diethylzinc addition to aldehydes. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 276, 137-142		14
27	A Facile Approach to 4,5-Dihydro[1,2,4]triazolo[3,2-d][1,5]benzoxazepines. <i>Synthesis</i> , <b>2007</b> , 2007, 1629-1634	16.34	2
26	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> , <b>2007</b> , 2007, 33-38	2.9	4
25	1,3-Dipolar cycloadditions of 9-diazofluorenes and diphenyldiazomethane to 2-acyl-2H-1,2,3-diazaphospholes. <i>Journal of Heterocyclic Chemistry</i> , <b>2006</b> , 43, 353-359	1.9	6
24	Preparation of polymer-supported Ru-TsDPEN catalysts and use for enantioselective synthesis of (S)-fluoxetine. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 2513-8	3.9	66
23	Preparation of a Nafion <sup>®</sup> /Teflon bimembrane-supported palladium catalyst and its use in the Heck reaction. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 6159-6162	2	17
22	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> , <b>2004</b> , 34, 1691-1702	1.7	4
21	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> , <b>2003</b> , 2003, 1231-1235	2.9	13
20	Cation radical salts of ethylenedisulfanyl-bridged dimeric ethylenedithiotetrathiafulvalene with 2,3,5,6-tetrafluoro-7,7,8,8-tetracyanoquinodimethane (TCNQF4), PF <sub>6</sub> <sup>-</sup> AsF <sub>6</sub> <sup>-</sup> and BF <sub>4</sub> <sup>-</sup> synthesis, structure and conducting properties. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1646-1651		3
19	Novel electron donors containing multi-TTF units: synthesis and electrochemical properties. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 2157-9	3.9	10
18	A General and Efficient Method for the Synthesis of 9-Trifluoromethylated [1,2,4]Triazolo[1,5-a]azepine Derivatives. <i>Synthesis</i> , <b>2002</b> , 2002, 349-354	2.9	3
17	A FACIAL SYNTHESIS OF THE NEUTRAL [1,2,4]TRIAZOLO- [3,2-d][1,5]BENZOXAZEPINES AND THEIR CHALCOGEN-ANALOGUES. <i>Synthetic Communications</i> , <b>2002</b> , 32, 1327-1335	1.7	7
16	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> , <b>2002</b> , 991-995		1

15	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> , <b>2000</b> , 37, 287-290	1.9	1
14	An Expedient Synthesis of Novel [1,2,4]Triazolo[3,2-d][1,5]Benzothiazepine Derivatives. <i>Synthesis</i> , <b>2000</b> , 2000, 435-441	2.9	12
13	A Convenient Synthesis of 4,5-Diaryl-1,8-Dihalo-3,6-Dioxaoctanes. <i>Synthetic Communications</i> , <b>2000</b> , 30, 4097-4105	1.7	0
12	A Facile Approach To 5-Trifluoromethylated 1,2,4-Triazole Derivatives. <i>Synthetic Communications</i> , <b>2000</b> , 30, 4255-4262	1.7	3
11	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> , <b>2000</b> , 30, 119-130	1.7	8
10	Asymmetric Homologation of Cedranediol Boronic Esters and X-Ray Structure of Cedranediol 1-Chloro-1- Phenylmethylboronate. <i>Synthetic Communications</i> , <b>1999</b> , 29, 415-422	1.7	3
9	Synthesis of Hydroxycedranone and Aminohydroxycedrane. <i>Synthetic Communications</i> , <b>1999</b> , 29, 4171-4178	1.7	4
8	Preparation of Cedranediol Boronic Esters. <i>Synthetic Communications</i> , <b>1998</b> , 28, 3757-3764	1.7	3
7	Prototropy in the System -ClCH=N=N-; Cycloadditions of 1-Aza-2-azoniaallene Cations Derived from Aldehydes. <i>Synthesis</i> , <b>1996</b> , 1996, 274-280	2.9	23
6	On the Reaction of 1-Aza-2-azoniaallene Salts with Acetylenes. <i>Chemische Berichte</i> , <b>1994</b> , 127, 541-547	2.9	25
5	On the Reaction of 1-Aza-2-azoniaallene Salts with Isocyanates. <i>Chemische Berichte</i> , <b>1994</b> , 127, 947-953	2.9	22
4	On the Reaction of 1-Aza-2-azoniaallene Salts with Carbodiimides. <i>Chemische Berichte</i> , <b>1993</b> , 126, 2519-2524	2.9	21
3	[3+2]-cycloadditions of 1-Aza-2-azoniaallene cations to multiple bonds. <i>Tetrahedron</i> , <b>1993</b> , 49, 9973-9986	2.9	43
2	1,2,4-Triazolium Salts from the Reaction of 1-Aza-2-azoniaallene Salts with Nitriles. <i>Synthesis</i> , <b>1992</b> , 1992, 710-718	2.9	49
1	Asymmetric Reduction of Ketones	2.9	0