

# Xinping Wang

## List of Publications by Citations

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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.

92  
papers

1,734  
citations

25  
h-index

38  
g-index

103  
ext. papers

2,127  
ext. citations

9.2  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
92	One-electron oxidation of an organic molecule by B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> ; isolation and structures of stable non-para-substituted triarylamine cation radical and bis(triarylamine) dication diradicaloid. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14912-5	16.4	96
91	Isolation and X-ray crystal structures of triarylphosphine radical cations. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3414-7	16.4	95
90	Tuning ground states of bis(triarylamine) dications: from a closed-shell singlet to a diradicaloid with an excited triplet state. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2857-61	16.4	90
89	Isolable Bis(triarylamine) Dications: Analogues of Thiele's, Chichibabin's, and Müller's Hydrocarbons. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 1997-2006	24.3	75
88	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700150	24	73
87	Stable tetraaryldiphosphine radical cation and dication. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5561-4	16.4	60
86	Magnetic Bistability in a Discrete Organic Radical. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10092-5	16.4	58
85	Nitrogen analogues of Thiele's hydrocarbon. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1634-7	16.4	52
84	Two stable phosphorus-containing four-membered ring radical cations with inverse spin density distributions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6251-4	16.4	52
83	A crystalline phosphalkene radical anion. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9834-7	16.4	49
82	Thermally controlling the singlet-triplet energy gap of a diradical in the solid state. <i>Chemical Science</i> , <b>2016</b> , 7, 6514-6518	9.4	44
81	Odd-electron-bonded sulfur radical cations: X-ray structural evidence of a sulfur-sulfur three-electron bond. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14666-9	16.4	43
80	Isolable Diphosphorus-Centered Radical Anion and Diradical Dianion. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6735-8	16.4	40
79	From monomers to stacks, from nonconductive to conductive: syntheses, characterization, and crystal structures of benzidine radical cations. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 11828-36	4.8	37
78	Isolable Radical Ions of Main-Group Elements: Structures, Bonding and Properties. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 573-586	4.9	36
77	Isolation and reversible dimerization of a selenium-selenium three-electron bond. <i>Nature Communications</i> , <b>2014</b> , 5, 4127	17.4	36
76	Two phosphalkene radical cations with inverse spin density distributions. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15099-102	4.3	35

75	Bis(phenothiazine)arene diradicaloids: isolation, characterization and crystal structures. <i>Chemical Communications</i> , <b>2015</b> , 51, 11822-5	5.8	35
74	Tuning Ground States of Bis(triarylamine) Dications: From a Closed-Shell Singlet to a Diradicaloid with an Excited Triplet State. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2901-2905	3.6	35
73	A boron-centered radical: a potassium-crown ether stabilized boryl radical anion. <i>Chemical Communications</i> , <b>2016</b> , 52, 12714-12716	5.8	32
72	S = 1 Tetraazacyclophane Diradical Dication with Robust Stability: A Case of Low-Temperature One-Dimensional Antiferromagnetic Chain. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7820-7826	16.4	31
71	Synthesis, characterization, and structures of a persistent aniline radical cation. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11878-81	16.4	31
70	Structural characterization, infrared spectroscopy, and theoretical calculations for B(C6F5)3-stabilized benzene-ammonia and benzene-water complexes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10965-8	16.4	28
69	An Isolable Diboron-Centered Diradical with a Triplet Ground State. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6930-6936	4.8	27
68	Elusive Antimony-Centered Radical Cations: Isolation, Characterization, Crystal Structures, and Reactivity Studies. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 632-636	16.4	27
67	Tricoordinate Nontrigonal Pnictogen-Centered Radical Anions: Isolation, Characterization, and Reactivity. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15829-15833	16.4	24
66	Bis(boryl anion)-Substituted Pyrenes: Syntheses, Characterizations, and Crystal Structures. <i>Organometallics</i> , <b>2017</b> , 36, 2498-2501	3.8	21
65	Synthesis, crystal structure, and physical property of sterically unprotected thiophene/phenylene co-oligomer radical cations: a conductive $\pi$ -bonded supermolecular meso-helix. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 238-43	4.5	19
64	An Isolable Diphosphene Radical Cation Stabilized by Three-Center Three-Electron $\pi$ -Bonding with Chromium: End-On versus Side-On Coordination. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9419-9424	16.4	19
63	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12166-12175	8.3	18
62	Nitrogen Analogues of Thiele $\pi$ Hydrocarbon. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1654-1657	3.6	18
61	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12741-12745	16.4	17
60	Tunable Reduction of 2,4,6-Tri(4-pyridyl)-1,3,5-Triazine: From Radical Anion to Diradical Dianion to Radical Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18224-18229	16.4	15
59	Isolable Borane-Based Diradical and Triradical Fused by a Diamagnetic Transition Metal Ion. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17723-17726	16.4	15
58	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9084-7	16.4	15

57	An Aliphatic Solvent-Soluble Lithium Salt of the Perhalogenated Weakly Coordinating Anion [Al(OC(CCl <sub>3</sub> )(CF <sub>3</sub> ) <sub>2</sub> ) <sub>4</sub> ] <sup>-</sup> . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1008-10	5.1	14
56	A Magnetically Robust Triplet Ground State Sulfur-Hydrocarbon Diradical Dication. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7340-7344	16.4	13
55	Elusive Antimony-Centered Radical Cations: Isolation, Characterization, Crystal Structures, and Reactivity Studies. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 647-651	3.6	12
54	Magnetic on-off switching in redox non-innocent ligand bridged binuclear cobalt complexes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 17211-17215	4.3	12
53	The long-sought seventeen-electron radical [(C <sub>6</sub> Me <sub>6</sub> )Cr(CO) <sub>3</sub> ] <sup>+</sup> : isolation, crystal structure and substitution reaction. <i>Chemical Communications</i> , <b>2015</b> , 51, 8410-3	5.8	11
52	Studies on the Bridge Dependence of Bis(triarylamine) Diradical Dications: Long-Range $\pi$ Conjugation and $\pi$ Coupling Systems. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 3651-3656	4.2	11
51	Syntheses, structures and theoretical calculations of stable triarylarsine radical cations. <i>Chemical Communications</i> , <b>2018</b> , 54, 1493-1496	5.8	11
50	Structural Characterization, Infrared Spectroscopy, and Theoretical Calculations for B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Stabilized BenzeneAmmonia and BenzeneWater Complexes. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11157-11160	3.6	11
49	A diamidinogermylene as a Z-type ligand in a nickel(0) complex. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14975-14978	4.9	11
48	Reversible Self-Assembling of Boryl Radical Anions to Their Diradicals with Tunable Singlet Ground States. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4031-4035	4.8	11
47	Isolable Lanthanide Metal Complexes of a Phosphorus-Centered Radical. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 2111-2115	5.1	11
46	Magnetic Multistability in an Anion-Radical Pimer. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14040-14043	16.4	10
45	Experimental Observation of Thermally Excited Triplet States of Heavier Group 15 Element Centered Diradical Dianions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3156-3160	4.8	10
44	Synthesis, Characterization, and Structures of a Persistent Aniline Radical Cation. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12048-12051	3.6	10
43	Air-stable diradical dications with ferromagnetic interaction exceeding the thermal energy at room temperature: from a monomer to a dimer. <i>Science China Chemistry</i> , <b>2018</b> , 61, 300-305	7.9	9
42	An Isolable Diphosphene Radical Cation Stabilized by Three-Center Three-Electron $\pi$ Bonding with Chromium: End-On versus Side-On Coordination. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9563-9568	3.6	9
41	Reversible $\pi$ Dimerizations of Persistent Organic Radical Cations. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 617-620	3.6	9
40	A Main-Group Element Radical Based One-Dimensional Magnetic Chain. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6084-6088	16.4	9

39	Isolable cyclic radical cations of heavy main-group elements. <i>Chemical Communications</i> , <b>2020</b> , 56, 2167-2170	1.7	8
38	Half-Sandwich Metal Carbonyl Complexes as Precursors to Functional Materials: From a Near-Infrared-Absorbing Dye to a Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12069-12075	16.4	8
37	Isolation and structural characterization of a mainly ligand-based dimetallic radical. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19754-7	4.3	7
36	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9212-9215	3.6	7
35	Isolable diboryl radicals acting as highly efficient reaction intermediates under mild conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 12908-12911	5.8	7
34	Crystalline Diradical Dianions of Pyrene-Fused Azaacenes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11794-11799	16.4	7
33	A Main-Group Element Radical Based One-Dimensional Magnetic Chain. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6145-6149	3.6	6
32	Magnetic Multistability in an Anion-Radical Pimer. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14144-14147	3.6	6
31	Tricoordinate Nontrigonal Pnictogen-Centered Radical Anions: Isolation, Characterization, and Reactivity. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15976-15980	3.6	6
30	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12915-12919	3.6	6
29	Yttrium germole dianion complexes with Y-Ge bonds. <i>Dalton Transactions</i> , <b>2021</b> , 50, 5552-5556	4.3	6
28	One-dimensional alkylate-bridged W-Ester blue-based diradical dications. <i>Science China Chemistry</i> , <b>2017</b> , 60, 602-606	7.9	5
27	A diradical based on odd-electron E-bonds. <i>Nature Communications</i> , <b>2020</b> , 11, 3441	17.4	5
26	The Diradical-Dication Strategy for BODIPY- and Porphyrin-Based Dyes with Near-Infrared Absorption Maxima from 1070 to 2040 nm. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 19341-19347	4.8	5
25	Stable Radical Cation and Dication of an N-Heterocyclic Carbene Stabilized Digallene: Synthesis, Characterization and Reactivity. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6835-6840	3.6	4
24	Stable Radical Cation and Dication of an N-Heterocyclic Carbene Stabilized Digallene: Synthesis, Characterization and Reactivity. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6769-6774	16.4	4
23	Isomerism, Diradical Signature, and Raman Spectroscopy: Underlying Connections in Diamino Oligophenyl Dications. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1465-1470	3.2	4
22	Tunable Reduction of 2,4,6-Tri(4-pyridyl)-1,3,5-Triazine: From Radical Anion to Diradical Dianion to Radical Metal-Organic Framework. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18392-18397	3.6	4

21	Reply to comments on "synthesis, characterization, and structures of persistent aniline radical cation". <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 943-5	16.4	4
20	Stable, yet "naked", azo radical anion ArNNAr and dianion ArNNAr (Ar = 4-CN-2,6-Pr-CH) with selective CO activation. <i>Chemical Communications</i> , <b>2020</b> , 56, 3285-3288	5.8	3
19	Putting aniline radical cations in a bottle. <i>Science China Chemistry</i> , <b>2017</b> , 60, 1439-1443	7.9	3
18	Isolation and Crystallization of Radical Cations by Weakly Coordinating Anions <b>2015</b> , 523-544		3
17	Stable Boron-Containing Blue-Photoluminescent Radicals. <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1297-1302	4.9	3
16	Orthogonal Oriented Bisanthracene-Bridged Bis(Triarylamine) Diradical Dications: Isolation, Characterizations and Crystal Structures. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1708-1711	4.5	2
15	Tuning the Single-Molecule Magnetism of Dysprosium Complexes by a Redox-Noninnocent Diborane Ligand. <i>Organometallics</i> , <b>2020</b> , 39, 4143-4148	3.8	2
14	Zig-Zag Diphosphene Oligomers Linked by Silver(I) Cation. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 351-359	3.9	2
13	Reply to Comments on Synthesis, Characterization, and Structures of Persistent Aniline Radical Cation. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 959-961	3.6	2
12	A stable triplet diradical emitter.. <i>Chemical Science</i> , <b>2021</b> , 12, 15151-15156	9.4	2
11	Nitrogen Analogues of o-Quinodimethane with Unexpected non-Kekulé Diradical Character. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 487-490	4.9	1
10	A cationic sulfur-hydrocarbon triradical with an excited quartet state.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	1
9	Selective reduction of 1,5-diazacyclooctatetraenes: synthesis and structures of aromatic diazacyclooctatetraenyl dianions and a 2,6-bipyrrrolinyl dianionic Co(ii) complex. <i>Chemical Communications</i> , <b>2019</b> , 55, 2648-2651	5.8	1
8	Persistent 2-3 $\pi$ -bonded heteronuclear radical cations centered on S/Se and P/As atoms. <i>Chemical Communications</i> , <b>2021</b> , 57, 5067-5070	5.8	1
7	Crystalline Diradical Dianions of Pyrene-Fused Azaacenes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11892-11897	3.6	0
6	Rational design and syntheses of aniline-based diradical dications: isolable congeners of quinodimethane diradicals. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 891-900	5.2	0
5	A high-spin diradical dianion and its bridged chemically switchable single-molecule magnet. <i>Chemical Science</i> , <b>2021</b> , 12, 9998-10004	9.4	0
4	Controlling the Conductivity of Oligomer Radical Cations by Tuning Stacking Structures of $\pi$ -Dimers. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 4914-4919	3.5	

- 3 Titelbild: Tuning Ground States of Bis(triarylamine) Dications: From a Closed-Shell Singlet to a Diradicaloid with an Excited Triplet State (Angew. Chem. 11/2014). *Angewandte Chemie*, **2014**, 126, 2819-2819 <sup>3.6</sup>
- 2 Controlling the unpaired electron by electrostatic attraction in the solid state. *Chemical Communications*, **2021**, 57, 13345-13348 5.8
- 1 Isolable Pincer-type Dianionic Dialane(6). *Organometallics*, **2022**, 41, 680-685 3.8