Xinping Wang

List of Publications by Year
in descending order

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94 papers	2,463 citations	201385 27 h-index	233125 45 g-index
103 all docs	103 docs citations	103 times ranked	2030 citing authors

#	Article	IF	Citations
1	One-Electron Oxidation of an Organic Molecule by B(C₆F₅)₃; Isolation and Structures of Stable Non-para-substituted Triarylamine Cation Radical and Bis(triarylamine) Dication Diradicaloid. Journal of the American Chemical Society, 2013, 135, 14912-14915.	6.6	122
2	Isolation and X-ray Crystal Structures of Triarylphosphine Radical Cations. Journal of the American Chemical Society, 2013, 135, 3414-3417.	6.6	117
3	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. Advanced Materials, 2017, 29, 1700150.	11.1	112
4	Tuning Ground States of Bis(triarylamine) Dications: From a Closedâ€Shell Singlet to a Diradicaloid with an Excited Triplet State. Angewandte Chemie - International Edition, 2014, 53, 2857-2861.	7.2	106
5	Isolable Bis(triarylamine) Dications: Analogues of Thieleâ€™s, Chichibabinâ€™s, and MÃ¼llerâ€™s Hydrocarbons. Accounts of Chemical Research, 2017, 50, 1997-2006.	7.6	104
6	Magnetic Bistability in a Discrete Organic Radical. Journal of the American Chemical Society, 2016, 138, 10092-10095.	6.6	79
7	Stable Tetraaryldiphosphine Radical Cation and Dication. Journal of the American Chemical Society, 2013, 135, 5561-5564.	6.6	73
8	Two Stable Phosphorus-Containing Four-Membered Ring Radical Cations with Inverse Spin Density Distributions. Journal of the American Chemical Society, 2014, 136, 6251-6254.	6.6	63
9	A Crystalline Phosphaalkene Radical Anion. Journal of the American Chemical Society, 2014, 136, 9834-9837.	6.6	63
10	Nitrogen Analogues of Thieleâ€™s Hydrocarbon. Angewandte Chemie - International Edition, 2015, 54, 1634-1637.	7.2	59
11	Odd-Electron-Bonded Sulfur Radical Cations: X-ray Structural Evidence of a Sulfurâ€“Sulfur Three-Electron Ïƒ-Bond. Journal of the American Chemical Society, 2014, 136, 14666-14669.	6.6	58
12	Isolation and reversible dimerization of a seleniumâ€“selenium three-electron Ïƒ-bond. Nature Communications, 2014, 5, 4127.	5.8	57
13	Thermally controlling the singletâ€“triplet energy gap of a diradical in the solid state. Chemical Science, 2016, 7, 6514-6518.	3.7	57
14	Isolable Diphosphorus-Centered Radical Anion and Diradical Dianion. Journal of the American Chemical Society, 2016, 138, 6735-6738.	6.6	54
15	Isolable Radical Ions of Mainâ€Group Elements: Structures, Bonding and Properties. Chinese Journal of Chemistry, 2018, 36, 573-586.	2.6	54
16	Recent advances in stable main group element radicals: preparation and characterization. Chemical Society Reviews, 2022, 51, 5930-5973.	18.7	54
17	Tricoordinate Nontrigonal Pnictogenâ€Centered Radical Anions: Isolation, Characterization, and Reactivity. Angewandte Chemie - International Edition, 2019, 58, 15829-15833.	7.2	43
18	Two phosphaalkene radical cations with inverse spin density distributions. Dalton Transactions, 2015, 44, 15099-15102.	1.6	42

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19	S = 1 Tetraazacyclophane Diradical Dication with Robust Stability: A Case of Low-Temperature One-Dimensional Antiferromagnetic Chain. Journal of the American Chemical Society, 2018, 140, 7820-7826.	6.6	42
20	Bis(phenothiazine)arene diradicaloids: isolation, characterization and crystal structures. Chemical Communications, 2015, 51, 11822-11825.	2.2	40
21	From Monomers to Ï€ Stacks, from Nonconductive to Conductive: Syntheses, Characterization, and Crystal Structures of Benzidine Radical Cations. Chemistry - A European Journal, 2012, 18, 11828-11836.	1.7	39
22	Synthesis, Characterization, and Structures of a Persistent Aniline Radical Cation. Angewandte Chemie - International Edition, 2012, 51, 11878-11881.	7.2	34
23	A boron-centered radical: a potassium-crown ether stabilized boryl radical anion. Chemical Communications, 2016, 52, 12714-12716.	2.2	34
24	Elusive Antimonyâ€Centered Radical Cations: Isolation, Characterization, Crystal Structures, and Reactivity Studies. Angewandte Chemie - International Edition, 2017, 56, 632-636.	7.2	34
25	An Isolable Diboronâ€Centered Diradical with a Triplet Ground State. Chemistry - A European Journal, 2017, 23, 6930-6936.	1.7	33
26	Structural Characterization, Infrared Spectroscopy, and Theoretical Calculations for B(C₆F₅)₃â€Stabilized Benzeneâ€“Ammonia and Benzeneâ€“Water Complexes. Angewandte Chemie - International Edition, 2011, 50, 10965-10968.	7.2	32
27	Tunable Reduction of 2,4,6â€Tri(4â€pyridyl)â€1,3,5â€Triazine: From Radical Anion to Diradical Dianion to Radical Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 18224-18229.	7.2	28
28	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. ACS Sustainable Chemistry and Engineering, 2018, 6, 12166-12175.	3.2	27
29	A Magnetically Robust Triplet Ground State Sulfur-Hydrocarbon Diradical Dication. Journal of the American Chemical Society, 2020, 142, 7340-7344.	6.6	27
30	The Charge Transfer Approach to Heavier Mainâ€Group Element Radicals in Transitionâ€Metal Complexes. Angewandte Chemie - International Edition, 2017, 56, 12741-12745.	7.2	25
31	Bis(boryl anion)-Substituted Pyrenes: Syntheses, Characterizations, and Crystal Structures. Organometallics, 2017, 36, 2498-2501.	1.1	25
32	An Isolable Diphosphene Radical Cation Stabilized by Threeâ€Center Threeâ€Electron Ï€â€Bonding with Chromium: Endâ€On versus Sideâ€On Coordination. Angewandte Chemie - International Edition, 2018, 57, 9419-9424.	7.2	24
33	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metalâ€“Metal Hemiâ€Bonds. Angewandte Chemie - International Edition, 2015, 54, 9084-9087.	7.2	22
34	A diradical based on odd-electron *f*-bonds. Nature Communications, 2020, 11, 3441.	5.8	22
35	Magnetic Multistability in an Anionâ€Radical Pimer. Angewandte Chemie - International Edition, 2020, 59, 14040-14043.	7.2	21
36	Isolable cyclic radical cations of heavy main-group elements. Chemical Communications, 2020, 56, 2167-2170.	2.2	21

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37	Stable <scp>Boronâ€Containing Blueâ€Photoluminescent</scp> Radicals. Chinese Journal of Chemistry, 2021, 39, 1297-1302.	2.6	21
38	Synthesis, Crystal Structure, and Physical Property of Sterically Unprotected Thiophene/Phenylene Coâ€Oligomer Radical Cations: A Conductive Ï€â€“Ï€ Bonded Supermolecular mesoâ€Helix. Chemistry - an Asian Journal, 2013, 8, 238-243.	1.7	20
39	Isolable Lanthanide Metal Complexes of a Phosphorus-Centered Radical. Inorganic Chemistry, 2020, 59, 2111-2115.	1.9	20
40	Isolable Borane-Based Diradical and Triradical Fused by a Diamagnetic Transition Metal Ion. Journal of the American Chemical Society, 2017, 139, 17723-17726.	6.6	19
41	Syntheses, structures and theoretical calculations of stable triarylarsine radical cations. Chemical Communications, 2018, 54, 1493-1496.	2.2	17
42	Magnetic onâ€“off switching in redox non-innocent ligand bridged binuclear cobalt complexes. Dalton Transactions, 2018, 47, 17211-17215.	1.6	17
43	A diamidinatogermylene as a Z-type ligand in a nickel(0) complex. Dalton Transactions, 2019, 48, 14975-14978.	1.6	17
44	A stable triplet diradical emitter. Chemical Science, 2021, 12, 15151-15156.	3.7	17
45	The Lewis Acid Induced Formation of a Stable Diradical with an Intramolecular Ion Pairing State. Journal of the American Chemical Society, 2022, 144, 7978-7982.	6.6	17
46	A Mainâ€Group Element Radical Based Oneâ€Dimensional Magnetic Chain. Angewandte Chemie - International Edition, 2019, 58, 6084-6088.	7.2	16
47	Crystalline Diradical Dianions of Pyreneâ€Fused Azaacenes. Angewandte Chemie - International Edition, 2020, 59, 11794-11799.	7.2	16
48	Reversible Selfâ€Assembling of Boryl Radical Anions to Their Diradicals with Tunable Singlet Ground States. Chemistry - A European Journal, 2019, 25, 4031-4035.	1.7	15
49	An Aliphatic Solvent-Soluble Lithium Salt of the Perhalogenated Weakly Coordinating Anion [Al(OC(CCl₃)(CF₃)₂)₄]^{â^’}. Inorganic Chemistry, 2016, 55, 1008-1010.	1.9	14
50	Studies on the Bridge Dependence of Bis(triarylamine) Diradical Dications: Long-Range Ï€-Conjugation and Ï€â€“Ï€ Coupling Systems. Journal of Organic Chemistry, 2018, 83, 3651-3656.	1.7	14
51	Experimental Observation of Thermally Excited Triplet States of Heavier Group 15 Element Centered Diradical Dianions. Chemistry - A European Journal, 2018, 24, 3156-3160.	1.7	14
52	The long-sought seventeen-electron radical [(C₆Me₆)Cr(CO)₃]⁺: isolation, crystal structure and substitution reaction. Chemical Communications, 2015, 51, 8410-8413.	2.2	13
53	Yttrium germole dianion complexes with Yâ€“Ge bonds. Dalton Transactions, 2021, 50, 5552-5556.	1.6	13
54	Elusive Antimonyâ€Centered Radical Cations: Isolation, Characterization, Crystal Structures, and Reactivity Studies. Angewandte Chemie, 2017, 129, 647-651.	1.6	12

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55	Air-stable diradical dications with ferromagnetic interaction exceeding the thermal energy at room temperature: from a monomer to a dimer. Science China Chemistry, 2018, 61, 300-305.	4.2	12
56	Tricoordinate Nontrigonal Pnictogenâ€Centered Radical Anions: Isolation, Characterization, and Reactivity. Angewandte Chemie, 2019, 131, 15976-15980.	1.6	12
57	Isolable diboryl radicals acting as highly efficient reaction intermediates under mild conditions. Chemical Communications, 2019, 55, 12908-12911.	2.2	10
58	Tuning the Single-Molecule Magnetism of Dysprosium Complexes by a Redox-Noninnocent Diborane Ligand. Organometallics, 2020, 39, 4143-4148.	1.1	10
59	Stable Radical Cation and Dication of an Nâ€Heterocyclic Carbene Stabilized Digallene: Synthesis, Characterization and Reactivity. Angewandte Chemie - International Edition, 2020, 59, 6769-6774.	7.2	10
60	A cationic sulfur-hydrocarbon triradical with an excited quartet state. Chemical Communications, 2022, 58, 1986-1989.	2.2	10
61	One-dimensional alkylate-bridged WÃ¼rsterâ€™s blue-based diradical dications. Science China Chemistry, 2017, 60, 602-606.	4.2	9
62	The Diradicalâ€Dication Strategy for BODIPYâ€•and Porphyrinâ€Based Dyes with Nearâ€Infrared Absorption Maxima from 1070 to 2040â€…nm. Chemistry - A European Journal, 2018, 24, 19341-19347.	1.7	9
63	An Isolable Diphosphene Radical Cation Stabilized by Threeâ€Center Threeâ€Electron Ïâ€Bonding with Chromium: Endâ€On versus Sideâ€On Coordination. Angewandte Chemie, 2018, 130, 9563-9568.	1.6	9
64	Magnetic Multistability in an Anionâ€Radical Pimer. Angewandte Chemie, 2020, 132, 14144-14147.	1.6	9
65	Isolation and structural characterization of a mainly ligand-based dimetallic radical. Dalton Transactions, 2015, 44, 19754-19757.	1.6	8
66	The Charge Transfer Approach to Heavier Mainâ€Group Element Radicals in Transitionâ€Metal Complexes. Angewandte Chemie, 2017, 129, 12915-12919.	1.6	8
67	Half-Sandwich Metal Carbonyl Complexes as Precursors to Functional Materials: From a Near-Infrared-Absorbing Dye to a Single-Molecule Magnet. Journal of the American Chemical Society, 2017, 139, 12069-12075.	6.6	8
68	A Mainâ€Group Element Radical Based Oneâ€Dimensional Magnetic Chain. Angewandte Chemie, 2019, 131, 6145-6149.	1.6	8
69	Stable Radical Cation and Dication of an Nâ€Heterocyclic Carbene Stabilized Digallene: Synthesis, Characterization and Reactivity. Angewandte Chemie, 2020, 132, 6835-6840.	1.6	7
70	Persistent 2câ€“3e Ïƒ-bonded heteronuclear radical cations centered on S/Se and P/As atoms. Chemical Communications, 2021, 57, 5067-5070.	2.2	7
71	Ï€-Pimer, Ï€-Dimer, Ï€-Trimer, and 1D Ï€-Stacks in a Series of Benzene Triimide Radical Anions: Substituent-Modulated Ï€ Interactions and Physical Properties in Crystalline State. CCS Chemistry, 2023, 5, 1343-1352.	4.6	7
72	Putting aniline radical cations in a bottle. Science China Chemistry, 2017, 60, 1439-1443.	4.2	6

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73	Stable, yet â€œnakedâ€• azo radical anion ArNNAr^{â¹} and dianion ArNNAr^{2â¹} (Ar =) Tj ETQq1 1 0.784314 rgB activation. Chemical Communications, 2020, 56, 3285-3288.	2.2	6
74	Isomerism, Diradical Signature, and Raman Spectroscopy: Underlying Connections in Diamino Oligophenyl Dications. ChemPhysChem, 2018, 19, 1465-1470.	1.0	5
75	Orthogonal Oriented Bisanthranceneâ€Bridged Bis(Triarylamine) Diradical Dications: Isolation, Characterizations and Crystal Structures. Chemistry - an Asian Journal, 2019, 14, 1708-1711.	1.7	5
76	Indeno[2,1â€a]fluoreneâ€11,12â€dione Radical Anions: Synthesis, Characterization, and Properties. Chemistry - A European Journal, 2022, 28, .	1.7	5
77	Reply to Comments on â€œSynthesis, Characterization, and Structures of Persistent Aniline Radical Cationâ€• Angewandte Chemie - International Edition, 2014, 53, 943-945.	7.2	4
78	Tunable Reduction of 2,4,6â€Tri(4â€pyridyl)â€1,3,5â€Triazine: From Radical Anion to Diradical Dianion to Radical Metalâ€“Organic Framework. Angewandte Chemie, 2019, 131, 18392-18397.	1.6	4
79	Zigâ€Zag Diphosphene Oligomers Linked by Silver(I) Cation. Chinese Journal of Chemistry, 2020, 38, 351-355.	2.6	4
80	A high-spin diradical dianion and its bridged chemically switchable single-molecule magnet. Chemical Science, 2021, 12, 9998-10004.	3.7	4
81	Nitrogen Analogues of oâ€Quinodimethane with Unexpected nonâ€KekulÃ© Diradical Character. Chinese Journal of Chemistry, 2018, 36, 487-490.	2.6	3
82	Crystalline radical cations of bis-BN-based analogues of Thiele's hydrocarbon. Chemical Communications, 2022, 58, 5391-5394.	2.2	3
83	Reply to Comments on â€œSynthesis, Characterization, and Structures of Persistent Aniline Radical Cationâ€• Angewandte Chemie, 2014, 126, 959-961.	1.6	2
84	Cyclic (Amino)(Aryl)Nitrenium Cations with Lewis Acidity Controlled by Remote Substituents. Chinese Journal of Chemistry, 0, , .	2.6	2
85	<scp>Roomâ€Temperature</scp> Reversible <scp>Ïƒâ€Dimerization</scp> of a Phenalenyl Radical. Chinese Journal of Chemistry, 0, , .	2.6	2
86	The catenation of a singlet diradical dication and modulation of diradical character by metal coordination. Chemical Communications, 2022, 58, 6457-6460.	2.2	2
87	Crystalline Diradical Dianions of Pyreneâ€Fused Azaacenes. Angewandte Chemie, 2020, 132, 11892-11897.	1.6	1
88	Rational design and syntheses of aniline-based diradical dications: isolable congeners of quinodimethane diradicals. Organic Chemistry Frontiers, 2021, 8, 891-900.	2.3	1
89	Selective reduction of 1,5-diazacyclooctatetraenes: synthesis and structures of aromatic diazacyclooctatetraenyl dianions and a 2,6-bipyrrolinyl dianionic Co(<scp>ii</scp>) complex. Chemical Communications, 2019, 55, 2648-2651.	2.2	1
90	Isolable Pincer-type Dianionic Dialane(6). Organometallics, 2022, 41, 680-685.	1.1	1

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91	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.	1.6	0
92	Controlling the Conductivity of Oligomer Radical Cations by Tuning Stacking Structures of Ï€-Dimers. Crystal Growth and Design, 2019, 19, 4914-4919.	1.4	0
93	Controlling the unpaired electron by electrostatic attraction in the solid state. Chemical Communications, 2021, 57, 13345-13348.	2.2	0
94	The cis/trans conformation approach for tuning the magnetic coupling in a diradical: isolation of pure pyridine-based diradical dianions. Chemical Communications, 2022, 58, 1708-1711.	2.2	0