

Xinping Wang

List of Publications by Year in descending order

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94
papers

2,463
citations

201385

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233125

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103
all docs

103
docs citations

103
times ranked

2030
citing authors

#	ARTICLE	IF	CITATIONS
1	İ€-Pimer, İ€-Dimer, İ€-Trimer, and 1D İ€-Stacks in a Series of Benzene Triimide Radical Anions: Substituent-Modulated İ€ Interactions and Physical Properties in Crystalline State. <i>CCS Chemistry</i> , 2023, 5, 1343-1352.	4.6	7
2	The <i>cis/trans</i> conformation approach for tuning the magnetic coupling in a diradical: isolation of pure pyridine-based diradical dianions. <i>Chemical Communications</i> , 2022, 58, 1708-1711.	2.2	0
3	A cationic sulfur-hydrocarbon triradical with an excited quartet state. <i>Chemical Communications</i> , 2022, 58, 1986-1989.	2.2	10
4	Indeno[2,1- <i>ca</i>]fluorene- <i>11,12</i> -dione Radical Anions: Synthesis, Characterization, and Properties. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
5	Crystalline radical cations of bis-BN-based analogues of Thiele's hydrocarbon. <i>Chemical Communications</i> , 2022, 58, 5391-5394.	2.2	3
6	Isolable Pincer-type Dianionic Dialane(6). <i>Organometallics</i> , 2022, 41, 680-685.	1.1	1
7	The catenation of a singlet diradical dication and modulation of diradical character by metal coordination. <i>Chemical Communications</i> , 2022, 58, 6457-6460.	2.2	2
8	The Lewis Acid Induced Formation of a Stable Diradical with an Intramolecular Ion Pairing State. <i>Journal of the American Chemical Society</i> , 2022, 144, 7978-7982.	6.6	17
9	Recent advances in stable main group element radicals: preparation and characterization. <i>Chemical Society Reviews</i> , 2022, 51, 5930-5973.	18.7	54
10	Rational design and syntheses of aniline-based diradical dications: isolable congeners of quinodimethane diradicals. <i>Organic Chemistry Frontiers</i> , 2021, 8, 891-900.	2.3	1
11	Yttrium germole dianion complexes with Y-Ge bonds. <i>Dalton Transactions</i> , 2021, 50, 5552-5556.	1.6	13
12	A high-spin diradical dianion and its bridged chemically switchable single-molecule magnet. <i>Chemical Science</i> , 2021, 12, 9998-10004.	3.7	4
13	Stable <i>Boron</i> -Containing Blue-Photoluminescent Radicals. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1297-1302.	2.6	21
14	Persistent 2 <i>c</i> - <i>3e</i> İf-bonded heteronuclear radical cations centered on S/Se and P/As atoms. <i>Chemical Communications</i> , 2021, 57, 5067-5070.	2.2	7
15	Controlling the unpaired electron by electrostatic attraction in the solid state. <i>Chemical Communications</i> , 2021, 57, 13345-13348.	2.2	0
16	A stable triplet diradical emitter. <i>Chemical Science</i> , 2021, 12, 15151-15156.	3.7	17
17	Isolable Lanthanide Metal Complexes of a Phosphorus-Centered Radical. <i>Inorganic Chemistry</i> , 2020, 59, 2111-2115.	1.9	20
18	A diradical based on odd-electron İf-bonds. <i>Nature Communications</i> , 2020, 11, 3441.	5.8	22

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19	Magnetic Multistability in an Anion-Radical Pimer. <i>Angewandte Chemie</i> , 2020, 132, 14144-14147.	1.6	9
20	Magnetic Multistability in an Anion-Radical Pimer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14040-14043.	7.2	21
21	Stable Radical Cation and Dication of an N-Heterocyclic Carbene Stabilized Digallene: Synthesis, Characterization and Reactivity. <i>Angewandte Chemie</i> , 2020, 132, 6835-6840.	1.6	7
22	Tuning the Single-Molecule Magnetism of Dysprosium Complexes by a Redox-Noninnocent Diborane Ligand. <i>Organometallics</i> , 2020, 39, 4143-4148.	1.1	10
23	Stable, yet "naked", azo radical anion $\text{ArNNAr}^{\cdot-}$ and dianion ArNNAr^{2-} ($\text{Ar} = \text{Tj}$) ETQq1 1 0.784314 rgb activation. <i>Chemical Communications</i> , 2020, 56, 3285-3288.	2.2	6
24	Isolable cyclic radical cations of heavy main-group elements. <i>Chemical Communications</i> , 2020, 56, 2167-2170.	2.2	21
25	Zig-Zag Diphosphene Oligomers Linked by Silver(I) Cation. <i>Chinese Journal of Chemistry</i> , 2020, 38, 351-355.	2.6	4
26	Stable Radical Cation and Dication of an N-Heterocyclic Carbene Stabilized Digallene: Synthesis, Characterization and Reactivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6769-6774.	7.2	10
27	A Magnetically Robust Triplet Ground State Sulfur-Hydrocarbon Diradical Dication. <i>Journal of the American Chemical Society</i> , 2020, 142, 7340-7344.	6.6	27
28	Crystalline Diradical Dianions of Pyrene-Fused Azaacenes. <i>Angewandte Chemie</i> , 2020, 132, 11892-11897.	1.6	1
29	Crystalline Diradical Dianions of Pyrene-Fused Azaacenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11794-11799.	7.2	16
30	Controlling the Conductivity of Oligomer Radical Cations by Tuning Stacking Structures of π -Dimers. <i>Crystal Growth and Design</i> , 2019, 19, 4914-4919.	1.4	0
31	Tricoordinate Nontrigonal Pnictogen-Centered Radical Anions: Isolation, Characterization, and Reactivity. <i>Angewandte Chemie</i> , 2019, 131, 15976-15980.	1.6	12
32	Tricoordinate Nontrigonal Pnictogen-Centered Radical Anions: Isolation, Characterization, and Reactivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15829-15833.	7.2	43
33	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> , 2019, 131, 18392-18397.	1.6	4
34	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> , 2019, 58, 18224-18229.	7.2	28
35	A Main-Group Element Radical Based One-Dimensional Magnetic Chain. <i>Angewandte Chemie</i> , 2019, 131, 6145-6149.	1.6	8
36	Orthogonal Oriented Bisanthracene-Bridged Bis(Triarylamine) Diradical Dications: Isolation, Characterizations and Crystal Structures. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1708-1711.	1.7	5

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37	A Main-Group Element Radical Based One-Dimensional Magnetic Chain. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6084-6088.	7.2	16
38	Isolable diboryl radicals acting as highly efficient reaction intermediates under mild conditions. <i>Chemical Communications</i> , 2019, 55, 12908-12911.	2.2	10
39	A diamidinogermylene as a Z-type ligand in a nickel(0) complex. <i>Dalton Transactions</i> , 2019, 48, 14975-14978.	1.6	17
40	Reversible Self-Assembling of Boryl Radical Anions to Their Diradicals with Tunable Singlet Ground States. <i>Chemistry - A European Journal</i> , 2019, 25, 4031-4035.	1.7	15
41	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> , 2019, 55, 2648-2651.	2.2	1
42	Studies on the Bridge Dependence of Bis(triarylamine) Diradical Dications: Long-Range π -Conjugation and π - π Coupling Systems. <i>Journal of Organic Chemistry</i> , 2018, 83, 3651-3656.	1.7	14
43	Isolable Radical Ions of Main-Group Elements: Structures, Bonding and Properties. <i>Chinese Journal of Chemistry</i> , 2018, 36, 573-586.	2.6	54
44	Experimental Observation of Thermally Excited Triplet States of Heavier Group 15 Element Centered Diradical Dianions. <i>Chemistry - A European Journal</i> , 2018, 24, 3156-3160.	1.7	14
45	Syntheses, structures and theoretical calculations of stable triarylsarsine radical cations. <i>Chemical Communications</i> , 2018, 54, 1493-1496.	2.2	17
46	Nitrogen Analogues of Quinodimethane with Unexpected non-Kekulé Diradical Character. <i>Chinese Journal of Chemistry</i> , 2018, 36, 487-490.	2.6	3
47	Isomerism, Diradical Signature, and Raman Spectroscopy: Underlying Connections in Diamino Oligophenyl Dications. <i>ChemPhysChem</i> , 2018, 19, 1465-1470.	1.0	5
48	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> , 2018, 61, 300-305.	4.2	12
49	Magnetic on/off switching in redox non-innocent ligand bridged binuclear cobalt complexes. <i>Dalton Transactions</i> , 2018, 47, 17211-17215.	1.6	17
50	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> , 2018, 24, 19341-19347.	1.7	9
51	An Isolable Diphosphene Radical Cation Stabilized by Three-Center Three-Electron π -Bonding with Chromium: End-On versus Side-On Coordination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9419-9424.	7.2	24
52	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12166-12175.	3.2	27
53	$\langle S \rangle = 1$ Tetraazacyclophane Diradical Dication with Robust Stability: A Case of Low-Temperature One-Dimensional Antiferromagnetic Chain. <i>Journal of the American Chemical Society</i> , 2018, 140, 7820-7826.	6.6	42
54	An Isolable Diphosphene Radical Cation Stabilized by Three-Center Three-Electron π -Bonding with Chromium: End-On versus Side-On Coordination. <i>Angewandte Chemie</i> , 2018, 130, 9563-9568.	1.6	9

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55	Elusive Antimony-Centered Radical Cations: Isolation, Characterization, Crystal Structures, and Reactivity Studies. <i>Angewandte Chemie</i> , 2017, 129, 647-651.	1.6	12
56	An Isolable Diboron-Centered Diradical with a Triplet Ground State. <i>Chemistry - A European Journal</i> , 2017, 23, 6930-6936.	1.7	33
57	One-dimensional alkylate-bridged W ^{IV} -based diradical dications. <i>Science China Chemistry</i> , 2017, 60, 602-606.	4.2	9
58	Elusive Antimony-Centered Radical Cations: Isolation, Characterization, Crystal Structures, and Reactivity Studies. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 632-636.	7.2	34
59	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. <i>Angewandte Chemie</i> , 2017, 129, 12915-12919.	1.6	8
60	Isolable Bis(triarylamine) Dications: Analogues of Thiele TM s, Chichibabin TM s, and M ^{IV} -Hydrocarbons. <i>Accounts of Chemical Research</i> , 2017, 50, 1997-2006.	7.6	104
61	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. <i>Advanced Materials</i> , 2017, 29, 1700150.	11.1	112
62	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12741-12745.	7.2	25
63	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> , 2017, 139, 12069-12075.	6.6	8
64	Isolable Borane-Based Diradical and Triradical Fused by a Diamagnetic Transition Metal Ion. <i>Journal of the American Chemical Society</i> , 2017, 139, 17723-17726.	6.6	19
65	Putting aniline radical cations in a bottle. <i>Science China Chemistry</i> , 2017, 60, 1439-1443.	4.2	6
66	Bis(boryl anion)-Substituted Pyrenes: Syntheses, Characterizations, and Crystal Structures. <i>Organometallics</i> , 2017, 36, 2498-2501.	1.1	25
67	Isolable Diphosphorus-Centered Radical Anion and Diradical Dianion. <i>Journal of the American Chemical Society</i> , 2016, 138, 6735-6738.	6.6	54
68	An Aliphatic Solvent-Soluble Lithium Salt of the Perhalogenated Weakly Coordinating Anion [Al(OC(CCl ₃)) ₃ (CF ₃) ₂) ₂ (CF ₃) ₄] ⁻ . <i>Inorganic Chemistry</i> , 2016, 55, 1008-1010.	1.9	14
69	A boron-centered radical: a potassium-crown ether stabilized boryl radical anion. <i>Chemical Communications</i> , 2016, 52, 12714-12716.	2.2	34
70	Magnetic Bistability in a Discrete Organic Radical. <i>Journal of the American Chemical Society</i> , 2016, 138, 10092-10095.	6.6	79
71	Thermally controlling the singlet-triplet energy gap of a diradical in the solid state. <i>Chemical Science</i> , 2016, 7, 6514-6518.	3.7	57
72	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9084-9087.	7.2	22

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73	Bis(phenothiazine)arene diradicaloids: isolation, characterization and crystal structures. <i>Chemical Communications</i> , 2015, 51, 11822-11825.	2.2	40
74	Two phosphalkene radical cations with inverse spin density distributions. <i>Dalton Transactions</i> , 2015, 44, 15099-15102.	1.6	42
75	The long-sought seventeen-electron radical [(C ₆ Me ₆)Cr(CO) ₃] ⁺ : isolation, crystal structure and substitution reaction. <i>Chemical Communications</i> , 2015, 51, 8410-8413.	2.2	13
76	Isolation and structural characterization of a mainly ligand-based dimetallic radical. <i>Dalton Transactions</i> , 2015, 44, 19754-19757.	1.6	8
77	Nitrogen Analogues of Thiele's Hydrocarbon. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1634-1637.	7.2	59
78	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> , 2014, 53, 2857-2861.	7.2	106
79	Titelbild: Tuning Ground States of Bis(triarylamine) Dications: From a Closed-Shell Singlet to a Diradicaloid with an Excited Triplet State (<i>Angew. Chem.</i> 11/2014). <i>Angewandte Chemie</i> , 2014, 126, 2819-2819.	1.6	0
80	Reply to Comments on "Synthesis, Characterization, and Structures of Persistent Aniline Radical Cation". <i>Angewandte Chemie - International Edition</i> , 2014, 53, 943-945.	7.2	4
81	Two Stable Phosphorus-Containing Four-Membered Ring Radical Cations with Inverse Spin Density Distributions. <i>Journal of the American Chemical Society</i> , 2014, 136, 6251-6254.	6.6	63
82	Odd-Electron-Bonded Sulfur Radical Cations: X-ray Structural Evidence of a Sulfur-Sulfur Three-Electron σ -Bond. <i>Journal of the American Chemical Society</i> , 2014, 136, 14666-14669.	6.6	58
83	A Crystalline Phosphalkene Radical Anion. <i>Journal of the American Chemical Society</i> , 2014, 136, 9834-9837.	6.6	63
84	Isolation and reversible dimerization of a selenium-selenium three-electron σ -bond. <i>Nature Communications</i> , 2014, 5, 4127.	5.8	57
85	Reply to Comments on "Synthesis, Characterization, and Structures of Persistent Aniline Radical Cation". <i>Angewandte Chemie</i> , 2014, 126, 959-961.	1.6	2
86	One-Electron Oxidation of an Organic Molecule by B(C ₆ F ₅) ₃ ; Isolation and Structures of Stable Non- <i>para</i> -substituted Triarylamine Cation Radical and Bis(triarylamine) Dication Diradicaloid. <i>Journal of the American Chemical Society</i> , 2013, 135, 14912-14915.	6.6	122
87	Synthesis, Crystal Structure, and Physical Property of Sterically Unprotected Thiophene/Phenylene Co-oligomer Radical Cations: A Conductive σ -Bonded Supramolecular <i>meso</i> -Helix. <i>Chemistry - an Asian Journal</i> , 2013, 8, 238-243.	1.7	20
88	Isolation and X-ray Crystal Structures of Triarylphosphine Radical Cations. <i>Journal of the American Chemical Society</i> , 2013, 135, 3414-3417.	6.6	117
89	Stable Tetraaryldiphosphine Radical Cation and Dication. <i>Journal of the American Chemical Society</i> , 2013, 135, 5561-5564.	6.6	73
90	Synthesis, Characterization, and Structures of a Persistent Aniline Radical Cation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11878-11881.	7.2	34

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91	From Monomers to π -Stacks, from Nonconductive to Conductive: Syntheses, Characterization, and Crystal Structures of Benzidine Radical Cations. <i>Chemistry - A European Journal</i> , 2012, 18, 11828-11836.	1.7	39
92	Structural Characterization, Infrared Spectroscopy, and Theoretical Calculations for B(C ₆ F ₅) ₃ -Stabilized Benzene- π -Ammonia and Benzene- π -Water Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10965-10968.	7.2	32
93	Cyclic (Amino)(Aryl)Nitrenium Cations with Lewis Acidity Controlled by Remote Substituents. <i>Chinese Journal of Chemistry</i> , 0, , .	2.6	2
94	Room-Temperature Reversible π -Dimerization of a Phenalenyl Radical. <i>Chinese Journal of Chemistry</i> , 0, , .	2.6	2