

# Yuqiang Ding

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Structures of Monomeric Divalent Germanium and Tin Compounds Containing a Bulky Diketiminato Ligand. <i>Organometallics</i> , 2001, 20, 1190-1194.	1.1	199
2	Synthesis, Structures of Benzoxazolyl Iridium(III) Complexes, and Applications on C=C and C=N Bond Formation Reactions under Solvent-Free Conditions: Catalytic Activity Enhanced by Noncoordinating Anion without Silver Effect. <i>ACS Catalysis</i> , 2014, 4, 3910-3918.	5.5	160
3	Theoretical Analysis of the Mechanism of Palladium(II) Acetate-Catalyzed Oxidative Heck Coupling of Electron-Deficient Arenes with Alkenes: Effects of the Pyridine-Type Ancillary Ligand and Origins of the meta-Regioselectivity. <i>Journal of the American Chemical Society</i> , 2011, 133, 20218-20229.	6.6	154
4	Synthesis and Structures of Germanium(II) Fluorides and Hydrides. <i>Organometallics</i> , 2001, 20, 4806-4811.	1.1	142
5	Transition Metal-Free Direct C-H Functionalization of Quinones and Naphthoquinones with Diaryliodonium Salts: Synthesis of Aryl Naphthoquinones as $\beta$ -Secretase Inhibitors. <i>Journal of Organic Chemistry</i> , 2014, 79, 8607-8613.	1.7	90
6	A TIGAR-Regulated Metabolic Pathway Is Critical for Protection of Brain Ischemia. <i>Journal of Neuroscience</i> , 2014, 34, 7458-7471.	1.7	86
7	A Base-Stabilized Silylene with a Tricoordinate Silicon Atom as a Ligand for a Metal Complex. <i>Inorganic Chemistry</i> , 2009, 48, 5058-5060.	1.9	84
8	Synthesis and Structures of $[\{HC(CMeNAr)_2\}Ge(S)X]$ (Ar = 2,6-iPr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> , X = F, Cl, Me): Structurally Characterized Examples with a Formal Double Bond between Group 14 and 16 Elements Bearing a Halide. <i>Journal of the American Chemical Society</i> , 2002, 124, 8542-8543.	6.6	76
9	Theoretical Study on Mechanism of Copper(I)-Catalyzed Cross-Coupling between Aryl Halides and Alkylamines. <i>Organometallics</i> , 2011, 30, 633-641.	1.1	76
10	Synthesis, Structures, and Reactivity of Alkylgermanium(II) Compounds Containing a Diketiminato Ligand. <i>Organometallics</i> , 2002, 21, 5216-5220.	1.1	75
11	Pyrolylaldiminato Complexes of Zn, Mg and Al. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1060-1065.	1.0	63
12	Amidate Iridium(III) Bis(2-pyridyl)phenyl Complexes: Application Examples of Amidate Ancillary Ligands in Iridium(III)-Cyclometalated Complexes. <i>Organometallics</i> , 2011, 30, 77-83.	1.1	55
13	A highly sensitive and selective off-on fluorescent sensor based on Sm-MOF for the detection of tertiary butylhydroquinone. <i>Dyes and Pigments</i> , 2020, 178, 108347.	2.0	55
14	Synthesis and structural characterization of two-coordinate low-valent 14-group metal complexes bearing bulky bis(amido)silane ligands. <i>Dalton Transactions</i> , 2012, 41, 2187.	1.6	54
15	The Synthesis of $(\text{I}^{\text{III}}\text{C}_3\text{H}_5)_3\text{Pd}\{\text{Si}[\text{N}(\text{tBu})\text{CH}]_2\text{Cl}$ and the Catalytic Property for Heck Reaction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1755-1758.	0.6	51
16	Cationic Dinuclear Pd-Allyl Halide Complexes with N-Heterocyclic Carbenes. <i>Organometallics</i> , 2005, 24, 439-445.	1.1	44
17	Inhibition of Rac1 Activity in the Hippocampus Impairs the Forgetting of Contextual Fear Memory. <i>Molecular Neurobiology</i> , 2016, 53, 1247-1253.	1.9	38
18	Iridium-CNP complex catalyzed cross-coupling of primary alcohols and secondary alcohols by a borrowing hydrogen strategy. <i>RSC Advances</i> , 2014, 4, 42924-42929.	1.7	36

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19	G6PD plays a neuroprotective role in brain ischemia through promoting pentose phosphate pathway. <i>Free Radical Biology and Medicine</i> , 2017, 112, 433-444.	1.3	36
20	Synthesis of arylsulfonyl-quinones and arylsulfonyl-1,4-diols as FabH inhibitors: Pd-catalyzed direct C-sulfone formation by CS coupling of quinones with arylsulfonyl chloride. <i>Tetrahedron Letters</i> , 2014, 55, 5443-5446.	0.7	34
21	Direct $\alpha$ -alkylation of ketones with primary alcohols catalyzed by iridium-CNP complex. <i>Tetrahedron Letters</i> , 2014, 55, 7233-7235.	0.7	33
22	Proposal for halogen atom transfer mechanism for Ullmann O-arylation of phenols with aryl halides. <i>Dalton Transactions</i> , 2012, 41, 13832.	1.6	32
23	Stable and highly efficient Cu/TiO <sub>2</sub> nanocomposite photocatalyst prepared through atomic layer deposition. <i>Applied Catalysis A: General</i> , 2018, 568, 168-175.	2.2	31
24	A photoluminescent dinuclear phenylquinolyl Ir(II)-Ir(II) complex featuring a $\mu_2$ -phenylquinolyl bridge and an end-on dinitrogen ligand. <i>Chemical Communications</i> , 2011, 47, 5310.	2.2	27
25	A heteroleptic cyclometalated iridium(III) fluorophenylpyridine complex from partial defluorohydrogenation reaction: synthesis, photophysical properties and mechanistic insights. <i>Dalton Transactions</i> , 2013, 42, 4539.	1.6	27
26	Maternal Deprivation Influences Pup Ultrasonic Vocalizations of C57BL/6J Mice. <i>PLoS ONE</i> , 2016, 11, e0160409.	1.1	27
27	Synthesis and Structural Characterization of Alkaline-Earth-Metal Bis(amido)silane and Lithium Oxobis(aminolato)silane Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7698-7706.	1.9	26
28	Influences of the protonic state of an imidazole-phenanthroline ligand on the luminescence properties of copper(I) complexes: experimental and theoretical research. <i>New Journal of Chemistry</i> , 2016, 40, 619-625.	1.4	26
29	Phosphorescent Cyclometalated Iridium(III) Complexes Based on Amidate Ancillary Ligands: Their Synthesis and Photophysical Properties. <i>Organometallics</i> , 2013, 32, 4130-4135.	1.1	24
30	Recent Advances in the Synthesis of Thioether. <i>Mini-Reviews in Organic Chemistry</i> , 2017, 14, .	0.6	23
31	Synthesis, crystal structures and reactivity of copper(I) amidate complexes with aryl halides: insight into copper(I)-catalyzed Goldberg reaction. <i>Dalton Transactions</i> , 2012, 41, 5897.	1.6	21
32	Synthesis of Aryl- and Alkylquinones through Rhodium-Catalyzed C-C Coupling under Mild Conditions. <i>Synlett</i> , 2014, 25, 2895-2898.	1.0	19
33	A high growth rate atomic layer deposition process for nickel oxide film preparation using a combination of nickel(II) diketonate-diamine and ozone. <i>Applied Surface Science</i> , 2019, 481, 138-143.	3.1	18
34	Rapid synthesis of aryl sulfides through metal-free C-S coupling of thioalcohols with diaryliodonium salts. <i>Tetrahedron Letters</i> , 2014, 55, 5739-5741.	0.7	17
35	Ir-catalyzed arylation, alkylation of quinones with boronic acids through C-C coupling. <i>Journal of Organometallic Chemistry</i> , 2015, 780, 30-33.	0.8	17
36	Isolation, characterization and photophysical properties of a 2-(4,6-difluorophenyl)pyridyl Iridium(III) methoxide dimeric complex. <i>Inorganic Chemistry Communication</i> , 2012, 17, 26-29.	1.8	16

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37	Effects of the frontier orbitals on the electrochemical and electrochemiluminescent properties of the bis-cyclometalated iridium(III) complexes with different ligands. <i>Journal of Molecular Structure</i> , 2013, 1035, 224-230.	1.8	16
38	C–N Bond Coupling of Fluorobenzenes: N-Heterocycle-Assisted Selective C–F Bond Cleavage through an Li/F Interaction. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4300-4304.	1.2	14
39	Synthesis, characterization and photophysical properties of two heteroleptic 2-(4,6-difluorophenyl)pyridyl iridium(III) complexes with amidate ancillary ligands. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1414-1417.	1.8	12
40	An efficient approach to deoxygenation using hexachlorodisilane under mild conditions. <i>Russian Journal of General Chemistry</i> , 2014, 84, 2200-2204.	0.3	12
41	Synthesis, crystal structures and properties of two nickel (II) complexes with different nitrogen-heterocyclic polycarboxylate ligand. <i>Journal of Molecular Structure</i> , 2019, 1186, 224-229.	1.8	12
42	Synthesis, characterization and photoluminescence of poly(VK-(ppy) <sub>2</sub> Ir(N-phMA)). <i>Synthetic Metals</i> , 2008, 158, 1022-1027.	2.1	11
43	Synthesis, characterization of silicon (<math>\langle \text{sc} \rangle \text{iv} \langle \text{sc} \rangle</math>) compounds containing 2-alkyl-aminopyridine ligands and evaluation of them as CVD precursors. <i>RSC Advances</i> , 2015, 5, 59991-59996.	1.7	11
44	Iridium-Catalyzed Synthesis of Diaryl Ethers by Means of Chemoselective C–F Bond Activation and the Formation of Bi–F Bonds. <i>Chemistry - an Asian Journal</i> , 2015, 10, 468-473.	1.7	11
45	Synthesis, characterization, thermal properties of silicon (<math>\langle \text{sc} \rangle \text{iv} \langle \text{sc} \rangle</math>) compounds containing guanidinato ligands and their potential as CVD precursors. <i>RSC Advances</i> , 2015, 5, 71637-71643.	1.7	10
46	Iridium and phosphine promoted C–F bond activation: the C–S cross-coupling of aryl fluorides with diaryl disulfides to synthesize thioethers. <i>Tetrahedron Letters</i> , 2015, 56, 6405-6408.	0.7	10
47	High growth per cycle thermal atomic layer deposition of Ni films using an electron-rich precursor. <i>Nanoscale</i> , 2019, 11, 3484-3488.	2.8	10
48	Synthesis, characterization, and thermal properties of cobalt(II) compounds with guanidinate ligands. <i>New Journal of Chemistry</i> , 2018, 42, 9110-9115.	1.4	9
49	The first atomic layer deposition process for Fe<sub>x</sub>N films. <i>Chemical Communications</i> , 2019, 55, 1943-1946.	2.2	9
50	Synthesis of aryl substituted quinones as Î²-secretase inhibitors: Ligand-free direct arylation of quinones with aryl halides. <i>Russian Journal of General Chemistry</i> , 2014, 84, 1615-1621.	0.3	8
51	Synthesis, Characterization, and Properties of a Carbonate-Bridged Dinuclear Rhodium(III) Complex via Fixation of Atmospheric CO <sub>2</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1039-1041.	0.6	7
52	Synthesis, Structure, and Photophysical Properties of Tributyl Phosphine Bisbenzothienyl Iridium(III) Complex and its Application on Transfer Hydrogenation of Acetophenone. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 400-404.	0.6	7
53	Synthesis, Characterization, and Thermal Properties of Chlorine-Containing 1,1,2,2-Tetraaminodisilanes and Their Potential as Chemical Vapor Deposition Precursors for Silicon Nitride Films. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3205-3211.	1.0	7
54	Rhodium-Catalyzed <i>ortho</i>-Selective C–F Activation and Hydrodefluorination of Heterocycle-Substituted Polyfluoroarenes: Dominated by Phosphine Ligands. <i>ChemistrySelect</i> , 2017, 2, 1219-1224.	0.7	7

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55	A germanium(II) aminopyridinato compound and its potential as a CVD precursor. <i>Polyhedron</i> , 2017, 134, 282-286.	1.0	7
56	A high growth rate process of ALD CeO <sub>x</sub> with amidinato-cerium [(N-iPr-AMD) <sub>3</sub> Ce] and O <sub>3</sub> as precursors. <i>Journal of Materials Science</i> , 2020, 55, 5378-5389.	1.7	7
57	Amidate-ancillary benzothienyl iridium(III) complexes: Synthesis, structures, photophysical properties and DFT calculations studies. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 41-46.	0.8	6
58	Transition-metal-free site-selective C-F bond activation for synthesis of 8-aminoquinolines. <i>Tetrahedron Letters</i> , 2017, 58, 4240-4242.	0.7	6
59	Electrochemiluminescence (ECL) Detection of Ammonium Ion Based on a Novel Iridium Complex Modified Electrode. <i>Analytical Letters</i> , 2011, 44, 2503-2512.	1.0	5
60	Phosphine-assisted bisbenzothienyl iridium(III) complexes: Synthesis, structures and photophysical properties. <i>Inorganic Chemistry Communication</i> , 2014, 47, 131-133.	1.8	5
61	Highly efficient reduction of tertiary phosphine oxides and sulfides with amine-assisted aluminum hydrides under mild conditions. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1156-1160.	0.3	5
62	An aminopyridinato Mn compound as a novel CVD precursor for manganese-containing films. <i>New Journal of Chemistry</i> , 2018, 42, 4553-4558.	1.4	5
63	An efficient atomic layer deposition process of MnO <sub>x</sub> films using bis(N,N-di-tert-butylacetamidinato)manganese(II) and H <sub>2</sub> O as reactants. <i>Applied Surface Science</i> , 2019, 486, 460-465.	3.1	5
64	High-rate synthesis of SiCN films using single-source silicon precursor with high-density helicon plasma. <i>Vacuum</i> , 2020, 177, 109397.	1.6	5
65	Synthesis, characterization and properties of copper(I) complexes with bis(diphenylphosphino)-ferrocene ancillary ligand. <i>Journal of Molecular Structure</i> , 2012, 1018, 185-189.	1.8	4
66	Spin-dependent transport in a multifunctional spintronic device with graphene nanoribbon electrodes. <i>Journal of Computational Electronics</i> , 2018, 17, 604-612.	1.3	4
67	Switching behavior induced by different substituents of group in single molecular device. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	4
68	A nickel(II) guanidinate compound and its potential as CVD precursor for nickel related films. <i>Polyhedron</i> , 2018, 156, 218-222.	1.0	3
69	Synthesis, characterization, and thermal properties of novel silicon 1,1,3,3-tetramethylguanidinate derivatives and use as single-source chemical vapor deposition precursors. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5349.	1.7	3
70	Study on the effect of substituents on the structure, volatility, and fluorescence of N-(Alkyl or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 121646.	0.8	3
71	Study on thermodynamic property of pyrrolylaldiminate dialkyl-aluminum (Methyl- and Ethyl-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 147 121646.	0.8	3
72	Efficient Process of ALD CuO and Its Application in Photocatalytic H <sub>2</sub> Evolution. <i>Russian Journal of Inorganic Chemistry</i> , 2021, 66, 1986-1994.	0.3	3

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73	Amidate-assisted bis(2-quinolyl)phenyl iridium(III) complexes: Synthesis, structures, photophysical characterization, DFT calculations and their application in homopolymerization. <i>Inorganic Chemistry Communication</i> , 2013, 36, 184-187.	1.8	2
74	The synthesis, characterization and DFT calculations of highly volatile aminogermylene precursors and thin film investigation for CVD/ALD technology. <i>Inorganic Chemistry Communication</i> , 2015, 53, 26-30.	1.8	2
75	A family of 1,1,1,2,2,2-hexa(-primary-)amino-disilanes as potential CVD precursors: Tuning thermal properties by small variation of the substituent. <i>Polyhedron</i> , 2016, 117, 729-734.	1.0	2
76	Synthesis, characterization, and thermal properties of silicon(IV) compounds containing amidinate ligands as CVD precursors. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1280-1283.	0.8	2
77	Synthesis of two aminosilanes as CVD precursors of SiC <sub>x</sub> N <sub>y</sub> films: Tuning film composition by Molecular Structures. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 568-573.	0.8	2
78	Rectification in zigzag graphene/BN nanoribbon heterojunction. <i>Modern Physics Letters B</i> , 2018, 32, 1850395.	1.0	2
79	Synthesis and thermal properties of aminopyrimidine Ge(II) precursors for CVD/ALD technology. <i>Russian Journal of General Chemistry</i> , 2014, 84, 2027-2030.	0.3	1
80	Highly efficient dehydrogenation of secondary alcohols catalyzed by iridium-CNP complexes. <i>Russian Journal of General Chemistry</i> , 2014, 84, 2016-2020.	0.3	1
81	Synthesis, Characterization, Thermal Property of Si(câ€C <sub>5</sub> H <sub>9</sub> NH) <sub>4</sub> and Its Potential as CVD Precursor for SiC Film. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1813-1817.	0.6	1
82	Antiparkinsonian Treatment for Depression in Parkinson's Disease: Are Selective Serotonin Reuptake Inhibitors Recommended?. <i>Translational Neuroscience and Clinics</i> , 2016, 2, 138-149.	0.1	1
83	Dehalogenation of Aryl Bromides by CuO/ZrO <sub>2</sub> in The Presence of Alcohols as Hydrogen Donors. <i>ChemistrySelect</i> , 2021, 6, 1372-1377.	0.7	1
84	Study on the Structure, Thermodynamic property, and Fluorescence of Pyridinâ€Câ€ylmethylâ€tertâ€butylamine Dimethyl aluminum complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1096-1101.	0.6	1
85	Heterogeneously catalyzed direct cross-coupling of secondary alcohols to Î <sup>2</sup> -disubstituted ketones by Cu/Î <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> . <i>Inorganica Chimica Acta</i> , 2022, 534, 120830.	1.2	1
86	Aqua(benzamidato-Î <sup>0</sup> N)bis[3,5-difluoro-2-(pyridin-2-yl)phenyl-Î <sup>0</sup> C1]iridium(III) methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m310-m310.	0.2	0
87	Theoretical research on structures of aminopyrimidine germanium(II) precursors and their application in film formation. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1522-1527.	0.3	0
88	Synthesis, characterization, and properties of silicon (IV) compounds containing <i>N,N'</i>-symmetrically alkyl substituted 1,3-diketimine ligands and their potential as CVD precursor material. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 1212-1218.	0.8	0
89	A Potential Method Using Ge{<i>i>PrNC[N(SiMe<sub>3</sub>)<sub>2</sub>]N<i>/i>Pr}<sub>2</sub>, (Et<sub>3</sub>Si)<sub>2</sub>Te and Anhydrous Hydrazine for Germanium Tellurides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 2168-2171.	0.6	0
90	An iron (II) guanidinate compound: Synthesis, characterization, thermal properties and its application as a CVD precursor for iron oxide film. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4981.	1.7	0

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91	An Amidinato-Cerium Compound and Its Application as CVD Precursor for CeO <sub>x</sub> -Based Materials. Russian Journal of Applied Chemistry, 2020, 93, 1553-1560.	0.1	0
92	A "Fraternal Twin" atomic layer deposition process for nickel carboxylate and nickel carbide. Inorganic Chemistry Communication, 2022, 137, 109235.	1.8	0
93	Synthesis and characterization of N-TMS-2-pyridinamine dimethyl-aluminum: A dormant precursor. Inorganic Chemistry Communication, 2022, 142, 109596.	1.8	0