

# Chao Chen

## 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.

104  
papers

4,147  
citations

37  
h-index

62  
g-index

154  
ext. papers

4,614  
ext. citations

6.2  
avg. IF

5.75  
L-index

#	Paper	IF	Citations
104	Cu-catalyzed [2 + 2 + 1] cascade annulation of vinyl iodonium salts with elemental sulfur/selenium for the modular synthesis of thiophenes and selenophenes. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 945-949	3.6	0
103	Study on the Selective Difluorochloroethylation Reactions of Amides with Hypervalent Iodine Reagent. <i>Chinese Journal of Organic Chemistry</i> , <b>2021</b> , 41, 3660	3	0
102	Preparation and Synthetic Application of Naproxen-Containing Diaryliodonium Salts. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
101	MeOTf-Catalyzed Intramolecular Acyl-Cyclization of Aryl Isocyanates: Efficient Access to Phenanthridin-6(5H)-one and 3,4-Dihydroisoquinolin-1(2H)-one Derivatives. <i>Asian Journal of Organic Chemistry</i> , <b>2021</b> , 10, 355-359	3	4
100	Preparation, Characterization, and Reactivity of Aliphatic Amino Iodane(III) Reagents. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 436-442	3.2	3
99	MeOTf/KI-catalyzed efficient synthesis of 2-arylnaphthalenes cyclodimerization of styrene oxides. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 8559-8565	3.9	0
98	Transition-metal-free trifluoromethylthiolation-cyclization of arynes by insertion into the C-S bonds. <i>Green Synthesis and Catalysis</i> , <b>2021</b> , 2, 62-65	9.3	9
97	The Pd-catalyzed synthesis of difluoroethyl and difluorovinyl compounds with a chlorodifluoroethyl iodonium salt (CDFI). <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	1
96	Construction of carbon quantum dots embed Co/Ni(OH) <sub>2</sub> hollow nanocages with enhanced supercapacitor performance. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 4342-4351	3.8	15
95	Calixarene-Based Supramolecular AIE Dots with Highly Inhibited Nonradiative Decay and Intersystem Crossing for Ultrasensitive Fluorescence Image-Guided Cancer Surgery. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10008-10012	16.4	144
94	Wet carbonate-promoted radical arylation of vinyl pinacolboronates with diaryliodonium salts yields substituted olefins. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	4
93	Photoredox-catalyzed dicarbofunctionalization of styrenes with amines and CO <sub>2</sub> : a convenient access to $\beta$ -amino acids. <i>Green Chemistry</i> , <b>2020</b> , 22, 5961-5965	10	40
92	Synthesis and reactivity of carbazole-containing hypervalent iodine(III) reagents. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 357-360	8.1	8
91	Synthesis of Naphthalenyl Triflates via the Cationic Annulation of Benzodiyne with Triflic Acid. <i>Organic Letters</i> , <b>2019</b> , 21, 5010-5014	6.2	7
90	CuO-Catalyzed 1,3-Addition of Diaryliodonium Triflates to Diazo Esters for the Stereoselective Synthesis of Triflate-Substituted $\beta$ -Aryloxy Acrylates. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 5963-5969	3.2	3
89	Visible-light-triggered direct keto-difluoroacetylation of styrenes with (fluorosulfonyl)difluoroacetate and dimethyl sulfoxide leads to $\beta$ -difluoroacetylated ketones. <i>Chemical Communications</i> , <b>2019</b> , 55, 10980-10983	5.8	12
88	Facile synthesis of $\beta$ -trifluoromethylthio phosphonium ylides with a constrained trifluoromethylthiooxide via a proton-transfer procedure. <i>Chemical Communications</i> , <b>2019</b> , 55, 9479-9482	5.8	8

87	Carbazolation Study of Active Arenes with Carbazole-Containing Hypervalent Iodine(III) Reagents. <i>Chinese Journal of Organic Chemistry</i> , <b>2019</b> , 39, 2166	3	2
86	Combustion behaviour and dominant shrinkage mechanism of flexible polyurethane foam in the cone calorimeter test. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 395-404	12.8	14
85	Development of a pendant experiment using melt indexer for correlation with the large-size dripping in the UL-94 test. <i>Fire and Materials</i> , <b>2018</b> , 42, 436-446	1.8	7
84	A concise synthesis of indene-based polycyclic compounds via FeCl <sub>3</sub> -catalyzed cascade cyclization. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 1165-1169	5.2	8
83	Cu-Catalyzed Core Evolution of Benzoxadiazoles with Diaryliodonium Salts for Regioselective Synthesis of Phenazine Scaffolds. <i>Organic Letters</i> , <b>2018</b> , 20, 4458-4461	6.2	20
82	Atom- and Step-Efficient Construction of Five-Membered Carbocycles with Alkenes and Alkynes Catalyzed by AgSbF <sub>6</sub> . <i>ACS Catalysis</i> , <b>2018</b> , 8, 7760-7765	13.1	11
81	Concise synthesis of xanthenes by the tandem etherification/acylation of diaryliodonium salts with salicylates. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 985-988	8.1	6
80	Chemical modification of alkyd resin by a DOPO derivative and its flame retardancy. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45643	2.9	3
79	Organocatalytic Asymmetric Annulation between Hydroxymaleimides and Nitrosoarenes: Stereoselective Preparation of Chiral Quaternary N-Hydroxyindolines. <i>Organic Letters</i> , <b>2017</b> , 19, 2805-2808	6.2	21
78	Copper-Catalyzed [2+2+2] Modular Synthesis of Multisubstituted Pyridines: Alkenylation of Nitriles with Vinyliodonium Salts. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4902-4906	3.6	17
77	Copper-Catalyzed [2+2+2] Modular Synthesis of Multisubstituted Pyridines: Alkenylation of Nitriles with Vinyliodonium Salts. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4824-4828	16.4	62
76	Organocatalytic Enantioselective Michael/Cyclization Domino Reaction between 3-Amideoxindoles and $\alpha$ -Unsaturated Aldehydes: One-Pot Preparation of Chiral Spirocyclic Oxindole-Lactams. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 3908-3916	4.2	26
75	UV photoconversion of environmental oestrogen diethylstilbestrol and its persistence in surface water under sunlight. <i>Water Research</i> , <b>2017</b> , 127, 77-85	12.5	11
74	Cu-Catalyzed Cascade Annulation of Diaryliodonium Salts and Nitriles: Synthesis of Nitrogen-Containing Heterocycles. <i>Synthesis</i> , <b>2017</b> , 49, 5081-5092	2.9	26
73	I <sub>2</sub> -Mediated oxidative bicyclization of 4-pentenamines to prolinol carbamates with CO <sub>2</sub> incorporating oxyamination of the CC bond. <i>Green Chemistry</i> , <b>2017</b> , 19, 4515-4519	10	24
72	Copper-catalyzed intramolecular aryl-bicyclization of diynes with diaryliodonium salts via vinyl cations. <i>Chemical Communications</i> , <b>2016</b> , 52, 10277-80	5.8	15
71	Synthesis of benzo[1,3]oxazines via copper(I)-catalyzed cascade annulation of nitriles, aldehydes and diaryliodonium salts. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 501-504	5.2	20
70	The removal of estrogenic activity with UV/chlorine technology and identification of novel estrogenic disinfection by-products. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 307, 119-26	12.8	34

69	Directly Oxidative Cross-Coupling between Alkenylzirconocene and Alkynylcopper Reagents. <i>Organometallics</i> , <b>2016</b> , 35, 1415-1419	3.8	3
68	Acid-promoted bicyclization of arylacetylenes to benzobicyclo[3.2.1]octanes through cationic rearrangements. <i>Chemical Communications</i> , <b>2016</b> , 52, 4537-40	5.8	23
67	-Arylation of oxime ethers using diaryliodonium salts through activation of inert C(sp)-H bonds using a palladium catalyst. <i>Chemical Science</i> , <b>2016</b> , 7, 1383-1387	9.4	66
66	Cp <sub>2</sub> TiCl <sub>2</sub> -Catalyzed Regioselective Hydrocarboxylation of Alkenes with CO <sub>2</sub> . <i>Organic Letters</i> , <b>2016</b> , 18, 2050-3	6.2	70
65	Zirconocene-catalyzed sequential ethylcarboxylation of alkenes using ethylmagnesium chloride and carbon dioxide. <i>Chemical Communications</i> , <b>2015</b> , 51, 6640-2	5.8	21
64	Synthesis of 6-(aryltio)phenanthridines by copper-catalyzed tandem reactions of 2-biaryl isothiocyanates with diaryliodonium salts. <i>Organic Letters</i> , <b>2015</b> , 17, 1232-5	6.2	54
63	Facile synthesis of 1-naphthols through a copper-catalyzed arylation of methyl ketones with o-bromoacetophenones. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 1231-1235	8.1	4
62	Tandem Arylation/Friedel-Crafts Reactions of o-Acylanilines with Diaryliodonium Salts: A Modular Synthesis of Acridine Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 3361-3369	3.2	36
61	Copper-Catalyzed Carboxylation of Alkenylzirconocenes with Carbon Dioxide Leading to $\beta$ -Unsaturated Carboxylic Acids. <i>Organic Letters</i> , <b>2015</b> , 17, 5112-5	6.2	37
60	Copper-mediated reaction of oxazirconacyclopentenes with dichlorophenylphosphine: a new pathway for the formation of 1,2-oxaphosphole derivatives. <i>RSC Advances</i> , <b>2015</b> , 5, 71724-71727	3.7	3
59	Exploiting the narrow gap of rearrangement between the substituents in the vicinal disubstitution reactions of diaryliodonium salts with pyridine N-sulfonamidates. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 751-63	3.9	4
58	Cu-catalyzed intramolecular aryl-etherification reactions of alkoxy alkynes with diaryliodonium salts via cleavage of a stable C-O bond. <i>Chemical Communications</i> , <b>2015</b> , 51, 1356-9	5.8	36
57	Silver-Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12005-12008	3.6	46
56	Silver-Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11839-42	16.4	114
55	A concise and efficient synthesis of benzimidazo[1,2-c]quinazolines through CuI-catalyzed intramolecular N-arylations. <i>Beilstein Journal of Organic Chemistry</i> , <b>2015</b> , 11, 2365-9	2.5	14
54	Study of Electrophilic Cyclization Reactions Triggered by Diaryliodonium Salts. <i>Chinese Journal of Organic Chemistry</i> , <b>2015</b> , 35, 937	3	12
53	Chemoselective Phosphination of Titanacyclobutene: A Convenient Method for Synthesis of Allylphosphine Derivatives. <i>Organometallics</i> , <b>2014</b> , 33, 844-846	3.8	8
52	Concise Synthesis of 1-Naphthols under Mild Conditions through a Copper-Catalyzed Arylation of Methyl Ketones. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 153-159	5.6	17

51	Rh(III)-catalyzed cascade oxidative olefination/cyclization of picolinamides and alkenes via C-H activation. <i>Organic Letters</i> , <b>2014</b> , 16, 3142-5	6.2	43
50	Cu-catalyzed arylcarbocyclization of alkynes with diaryliodonium salts through C-C bond formation on inert C(sp <sup>3</sup> )-H bond. <i>Organic Letters</i> , <b>2014</b> , 16, 3776-9	6.2	41
49	The B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> boron Lewis acid route to arene-annulated pentalenes. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1671-81	4.5	35
48	Applying polarity rapid assessment method and ultrafiltration to characterize NDMA precursors in wastewater effluents. <i>Water Research</i> , <b>2014</b> , 57, 115-26	12.5	44
47	Hypervalent iodine: a powerful electrophile for asymmetric $\alpha$ -functionalization of carbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 4278-89	3.9	91
46	Copper-catalyzed direct trifluoromethylthiolation of benzylic C-H bonds via nondirected oxidative C(sp <sup>3</sup> )-H activation. <i>Organic Letters</i> , <b>2014</b> , 16, 3372-5	6.2	130
45	Zirconoarylation of alkynes through p-chloranil-promoted reductive elimination of arylzirconates. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 528-34	2.5	3
44	An Unprecedented Tandem Annulation of $\beta$ -Azido-1-alkynes with Diaryliodonium Salts: A Facile Synthesis of Polycyclic Quinolines. <i>Synlett</i> , <b>2014</b> , 25, 2721-2726	2.2	5
43	Diverse tandem cyclization reactions of o-cyanoanilines and diaryliodonium salts with copper catalyst for the construction of quinazolinimine and acridine scaffolds. <i>Organic Letters</i> , <b>2014</b> , 16, 6228-31	6.2	60
42	Copper-mediated electrophilic imination of alkenylzirconocenes with O-benzoyl ketoximes and aldoximes. <i>Chemical Communications</i> , <b>2013</b> , 49, 5513-5	5.8	14
41	Direct Vicinal Disubstitution of Diaryliodonium Salts by Pyridine N-oxides and N-amidates by a 1,3-Radical Rearrangement. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 7722-7726	3.6	9
40	Copper-Mediated Reaction of Zirconacyclopentadienes with Azides: A One-Pot Three-Component Synthesis of Multiply Substituted Pyrroles from One Azide and Two Alkynes. <i>Organometallics</i> , <b>2013</b> , 32, 6182-6185	3.8	12
39	High-efficiency near-infrared organic light-emitting devices based on an iridium complex with negligible efficiency roll-off. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6446	7.1	71
38	A concise construction of polycyclic quinolines via annulation of $\beta$ -cyano-1-alkynes with diaryliodonium salts. <i>Organic Letters</i> , <b>2013</b> , 15, 4794-7	6.2	49
37	Copper-mediated amidation of alkenylzirconocenes with acyl azides: formation of enamides. <i>Organic Letters</i> , <b>2013</b> , 15, 5174-7	6.2	25
36	Copper(II)-catalyzed three-component cascade annulation of diaryliodoniums, nitriles, and alkynes: a regioselective synthesis of multiply substituted quinolines. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5323-7	16.4	188
35	CuCl-catalyzed ortho trifluoromethylation of arenes and heteroarenes with a pivalamido directing group. <i>Chemical Communications</i> , <b>2013</b> , 49, 4552-4	5.8	76
34	Direct vicinal disubstitution of diaryliodonium salts by pyridine N-oxides and N-amidates by a 1,3-radical rearrangement. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 7574-8	16.4	39

33	One-pot synthesis of quinazoline derivatives via [2+2+2] cascade annulation of diaryliodonium salts and two nitriles. <i>Chemical Communications</i> , <b>2013</b> , 49, 6752-4	5.8	89
32	Dibenzopentalenes from B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -induced cyclization reactions of 1,2-bis(phenylethynyl)benzenes. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5992-6	16.4	90
31	One-Pot Synthesis of Multiply Substituted Quinoline and Quinazoline Derivatives via [2+2+2] Cascade Annulation with Diaryliodonium Salts. <i>Synlett</i> , <b>2013</b> , 24, 2619-2623	2.2	12
30	Copper(II)-Catalyzed Three-Component Cascade Annulation of Diaryliodoniums, Nitriles, and Alkynes: A Regioselective Synthesis of Multiply Substituted Quinolines. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5431-5435	3.6	39
29	Dibenzopentalenes from B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Induced Cyclization Reactions of 1,2-Bis(phenylethynyl)benzenes. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6108-6112	3.6	34
28	Copper-catalyzed oxidative trifluoromethylthiolation of aryl boronic acids with TMSCF <sub>3</sub> and elemental sulfur. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2492-5	16.4	269
27	Metal-free oxidative trifluoromethylthiolation of terminal alkynes with CF <sub>3</sub> SiMe <sub>3</sub> and elemental sulfur. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12454-7	16.4	227
26	Copper-catalyzed electrophilic amination of alkenylzirconocenes with O-benzoylhydroxylamines: an efficient method for synthesis of enamines. <i>Organic Letters</i> , <b>2012</b> , 14, 4750-3	6.2	49
25	Concise approach to benzisothiazol-3(2H)-one via copper-catalyzed tandem reaction of o-bromobenzamide and potassium thiocyanate in water. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 4148-51 <sup>4-2</sup>	7.6	76
24	Copper-Catalyzed Oxidative Trifluoromethylthiolation of Aryl Boronic Acids with TMSCF <sub>3</sub> and Elemental Sulfur. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 2542-2545	3.6	97
23	Structural interconversion between a chain polymer and a two-dimensional network accompanied by tunable magnetic properties. <i>Chemical Communications</i> , <b>2011</b> , 47, 6683-5	5.8	18
22	o-Diarylphosphinoferrocene Sulfonate Palladium Systems for Nonalternating Ethene/Carbon Monoxide Copolymerization. <i>Organometallics</i> , <b>2011</b> , 30, 5248-5257	3.8	50
21	1,1-carboration of 1-alkynes: a conceptual alternative to the hydroboration reaction. <i>Organic Letters</i> , <b>2011</b> , 13, 62-5	6.2	111
20	Remarkably variable reaction modes of frustrated Lewis pairs with non-conjugated terminal diacetylenes. <i>Chemical Communications</i> , <b>2010</b> , 46, 3580-2	5.8	87
19	Carbon-carbon bond activation by 1,1-carboration of internal alkynes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13594-5	16.4	139
18	Cycloaddition of Zirconacyclopentadiene with 2-Bromoacrylate, 2-Bromoacrylaldehyde, and 3-Bromofuran-2,5-dione in the Presence of CuCl: A New Pathway for the Formation of Benzene Derivatives and Isobenzofuran-1,3-dione. <i>Synthetic Communications</i> , <b>2010</b> , 40, 570-579	1.7	7
17	Exploring the limits of frustrated Lewis pair chemistry with alkynes: detection of a system that favors 1,1-carboration over cooperative 1,2-P/B-addition. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 2199-208	14.5	101
16	Zirconacycle-mediated synthesis of carbocycles. <i>Science Bulletin</i> , <b>2010</b> , 55, 3235-3247		22



15	Cyclizations via frustrated Lewis pairs: Lewis acid induced intramolecular additions of amines to olefins and alkynes. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3005-8	4.8	103
14	CuCl-catalyzed reaction of zirconacyclopentenes with oxalyl chloride: a new pathway for the preparation of cyclopentenones. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 5434-5436	2	15
13	Structural Features of Lithio[3]ferrocenophane Systems Bearing Stabilizing Dimethylamino Substituents. <i>Organometallics</i> , <b>2008</b> , 27, 3248-3253	3.8	19
12	Highly enantioselective insertion of carbenoids into O-H bonds of phenols: an efficient approach to chiral alpha-aryloxy-carboxylic esters. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 12616-7	16.4	186
11	Zirconocene-promoted coupling reaction of terminal acetylenes to geminal enediynes in the presence of p-chloranil. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 4612-4617	2.3	12
10	Generation of benzocyclobutadiene derivatives from zirconaindene derivatives. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 5373-6	4.2	16
9	Cycloaddition reaction of zirconacyclopentadienes to quinones: synthesis of higher para-quinones. <i>Organic Letters</i> , <b>2006</b> , 8, 4055-8	6.2	17
8	1,1-Cycloaddition of oxalyl dichloride with dialkenylmetal compounds: formation of cyclopentadienone derivatives by the reaction of 1,4,-dilithio-1,3-dienes or zirconacyclopentadienes with oxalyl chloride in the presence of CuCl. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8024-5	16.4	50
7	Pd-catalyzed one-pot multicomponent coupling reaction for the highly regioselective synthesis of polysubstituted benzenes. <i>Organic Letters</i> , <b>2005</b> , 7, 347-9	6.2	43
6	A One-Pot Multicomponent Coupling Reaction for the Stereocontrolled Synthesis of Allyl-Substituted Cyclopropanes.. <i>ChemInform</i> , <b>2005</b> , 36, no		1
5	Acid-Promoted Reaction of Sulfonyl Chlorides with Alkenes: New Approach to the Regioselective Synthesis of $\beta$ -Hydroxyl Sulfone Derivatives. <i>Synlett</i> , <b>2004</b> , 2004, 1595-1597	2.2	14
4	Coupling Reactions of 1,4-Dicuprio-1,3-dienes: Formation of Carbocycles. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 647-650	3.2	27
3	Effect of lithium chloride on allylation of zirconacyclopentadienes. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 595-598		10
2	Michael addition reactions of Grignard reagents to 2-halogenoacrylates: a convenient method for the synthesis of polysubstituted cyclopropane compounds. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 6067-6069	2	9
1	Metallo-phosphorylation of alkynes: reaction of alkynes with Cp <sub>2</sub> Zr(1-butene)(PR <sub>3</sub> ) and chlorophosphate. <i>Chemical Communications</i> , <b>2003</b> , 2736-7	5.8	17