He-Rui Wen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Zn ^{II} -Based Metal–Organic Framework with a Rare <i>tcj</i> Topology as a Turn-On Fluorescent Sensor for Acetylacetone. Inorganic Chemistry, 2019, 58, 3578-3581.	4.0	256
2	2D Conductive Metal–Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 5612-5624.	13.8	198
3	Turn-On Luminescent Sensor toward Fe ³⁺ , Cr ³⁺ , and Al ³⁺ Based on a Co(II) Metal–Organic Framework with Open Functional Sites. Inorganic Chemistry, 2020, 59, 2803-2810.	4.0	183
4	Unusual High-Temperature Reversible Phase-Transition Behavior, Structures, and Dielectric–Ferroelectric Properties of Two New Crown Ether Clathrates. Journal of the American Chemical Society, 2015, 137, 13345-13351.	13.7	148
5	Temperature- and vapor-induced reversible single-crystal-to-single-crystal transformations of three 2D/3D Gd ^{III} –organic frameworks exhibiting significant magnetocaloric effects. Dalton Transactions, 2017, 46, 64-70.	3.3	119
6	Tricarboxylate-based Gd ^{III} coordination polymers exhibiting large magnetocaloric effects. Dalton Transactions, 2016, 45, 9209-9215.	3.3	106
7	Synthesis, Characterization, and Photophysical Properties of Heteroleptic Copper(I) Complexes with Functionalized 3-(2′-Pyridyl)-1,2,4-triazole Chelating Ligands. Inorganic Chemistry, 2013, 52, 9727-9740.	4.0	92
8	Synthesis process and luminescence properties of Tm3+ in AWO4 (A=Ca, Sr, Ba) blue phosphors. Journal of Alloys and Compounds, 2009, 487, 758-762.	5.5	89
9	C–H activation derived CPPs for photocatalytic hydrogen production excellently accelerated by a DMF cosolvent. Journal of Materials Chemistry A, 2019, 7, 24222-24230.	10.3	73
10	3d–4f heterometallic trinuclear complexes derived from amine-phenol tripodal ligands exhibiting magnetic and luminescent properties. Dalton Transactions, 2017, 46, 1153-1162.	3.3	69
11	Three-dimensional two-fold interpenetrated Cr ^{III} –Gd ^{III} heterometallic framework as an attractive cryogenic magnetorefrigerant. CrystEngComm, 2015, 17, 7270-7275.	2.6	68
12	Highly selective and turn-on fluorescence probe with red shift emission for naked-eye detecting Al3+ and Ga3+ based on metal-organic framework. Chinese Chemical Letters, 2022, 33, 541-546.	9.0	65
13	Temperature- and solvent-induced reversible single-crystal-to-single-crystal transformations of Tb ^{III} -based MOFs with excellent stabilities and fluorescence sensing properties toward drug molecules. Inorganic Chemistry Frontiers, 2022, 9, 1504-1513.	6.0	64
14	Large magnetic entropy changes in three Gd ^{III} coordination polymers containing Gd ^{III} chains. New Journal of Chemistry, 2017, 41, 8598-8603.	2.8	62
15	A Benzothiadiazole-Based Eu ³⁺ Metal–Organic Framework as the Turn-On Luminescent Sensor toward Al ³⁺ and Ga ³⁺ with Potential Bioimaging Application. Inorganic Chemistry, 2022, 61, 3607-3615.	4.0	61
16	2D MOF with electrochemical exfoliated graphene for nonenzymatic glucose sensing: Central metal sites and oxidation potentials. Analytica Chimica Acta, 2020, 1122, 9-19.	5.4	60
17	A Cd ^{II} â€Based Metalâ€Organic Framework with <i>pcu</i> Topology as Turnâ€On Fluorescent Sensor for Al ³⁺ . Chemistry - an Asian Journal, 2019, 14, 3648-3654.	3.3	58
18	Spin-Canted Antiferromagnetic Ordering in Transition Metal–Organic Frameworks Based on Tetranuclear Clusters with Mixed V- and Y-Shaped Ligands. Crystal Growth and Design, 2017, 17, 4757-4765.	3.0	57

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19	First observation of mutual energy transfer of Mn ⁴⁺ –Er ³⁺ via different excitation in Gd ₂ ZnTiO ₆ :Mn ⁴⁺ /Er ³⁺ phosphors. Journal of Materials Chemistry C, 2017, 5, 9098-9105.	5.5	57
20	Photoluminescence green in microspheres of CaWO4:Tb3+ processed in conventional hydrothermal. Optical Materials, 2009, 31, 1513-1516.	3.6	53
21	Two Gd ^{III} complexes derived from dicarboxylate ligands as cryogenic magnetorefrigerants. New Journal of Chemistry, 2015, 39, 6970-6975.	2.8	52
22	Family of Chiral Zn ^{II} –Ln ^{III} (Ln = Dy and Tb) Heterometallic Complexes Derived from the Amine–Phenol Ligand Showing Multifunctional Properties. Inorganic Chemistry, 2020, 59, 2811-2824.	4.0	50
23	Dicarboxylate-induced structural diversity of luminescent Zn ^{II} /Cd ^{II} coordination polymers derived from V-shaped bis-benzimidazole. CrystEngComm, 2018, 20, 5822-5832.	2.6	49
24	2D Conductive Metal–Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. Angewandte Chemie, 2021, 133, 5672-5684.	2.0	45
25	Luminescent dinuclear copper(<scp>i</scp>) complexes bearing 1,4-bis(diphenylphosphino)butane and functionalized 3-(2′-pyridyl)pyrazole mixed ligands. Dalton Transactions, 2016, 45, 696-705.	3.3	44
26	Stable Lanthanide Metal–Organic Frameworks with Ratiometric Fluorescence Sensing for Amino Acids and Tunable Proton Conduction and Magnetic Properties. Inorganic Chemistry, 2022, 61, 6819-6828.	4.0	44
27	Multifunctional Zn(<scp>ii</scp>)–Yb(<scp>iii</scp>) complex enantiomers showing second-harmonic generation, near-infrared luminescence, single-molecule magnet behaviour and proton conduction. Journal of Materials Chemistry C, 2020, 8, 16032-16041.	5.5	41
28	One-step rapid synthesis of π-conjugated large oligomers <i>via</i> C–H activation coupling. Organic Chemistry Frontiers, 2018, 5, 653-661.	4.5	39
29	Luminescence properties of monodispersed spherical BaWO4:Eu3+ microphosphors for white light-emitting diodes. Journal of Materials Science, 2011, 46, 1184-1189.	3.7	37
30	Synthesis, structures and magnetocaloric properties of two dinuclear GdIII clusters derived from monocarboxylate ligands. Polyhedron, 2016, 113, 96-101.	2.2	37
31	Luminescent Three- and Four-Coordinate Dinuclear Copper(I) Complexes Triply Bridged by Bis(diphenylphosphino)methane and Functionalized 3-(2′-Pyridyl)-1,2,4-triazole Ligands. Inorganic Chemistry, 2017, 56, 10311-10324.	4.0	36
32	A multifunctional benzothiadiazole-based fluorescence sensor for Al ³⁺ , Cr ³⁺ and Fe ³⁺ . CrystEngComm, 2021, 23, 1898-1905.	2.6	36
33	Ultra-Stable Metal–Organic Framework with Concurrent High Proton Conductivity and Fluorescence Sensing for Nitrobenzene. Chemistry of Materials, 2021, 33, 7858-7868.	6.7	35
34	Reversible phase transition and switchable dielectric behaviors triggered by rotation and order-disorder motions of crowns. Dalton Transactions, 2018, 47, 3851-3856.	3.3	33
35	Yb3+ concentration dependence of upconversion luminescence in Y2Sn2O7:Yb3+/Er3+ nanophosphors. Journal of Materials Science, 2014, 49, 6081-6086.	3.7	31
36	Synthesis, structure, and photophysics of copper(<scp>i</scp>) triphenylphosphine complexes with functionalized 3-(2′-pyrimidinyl)-1,2,4-triazole ligands. Dalton Transactions, 2017, 46, 13077-13087.	3.3	30

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37	Synthesis and optimum luminescence of monodispersed spheres for BaWO4-based green phosphors with doping of Tb3+. Journal of Luminescence, 2010, 130, 762-766.	3.1	29
38	Reversible Mechanochromic Luminescence of Tetranuclear Cuprous Complexes. Inorganic Chemistry, 2020, 59, 17213-17223.	4.0	29
39	Growth of single-crystalline SnO ₂ nanocubes via a hydrothermal route. CrystEngComm, 2010, 12, 341-343.	2.6	28
40	Mechanochromic luminescent materials of bimetallic Cu(<scp>i</scp>) complexes showing thermally activated delayed fluorescence. Journal of Materials Chemistry C, 2020, 8, 16160-16167.	5.5	28
41	A novel Cd ^{II} -based metal–organic framework as a multi-responsive luminescent sensor for Fe ³⁺ , MnO ₄ ^{â^'} , Cr ₂ O ₇ ^{2â^'} , salicylaldehyde and ethylenediamine detection with high selectivity and sensitivity. CrystEngComm, 2021. 23. 482-491.	2.6	28
42	A Sublimable Dinuclear Cuprous Complex Showing Selective Luminescence Vapochromism in the Crystalline State. Inorganic Chemistry, 2019, 58, 14478-14489.	4.0	26
43	Three Gdâ€Based Metalâ€Organic Frameworks Constructed from Similar Dicarboxylate Ligands with Large Magnetic Entropy Changes. ChemistrySelect, 2017, 2, 10673-10677.	1.5	25
44	Recent advances in lanthanide coordination polymers and clusters with magnetocaloric effect or single-molecule magnet behavior. Dalton Transactions, 2021, 50, 15473-15487.	3.3	24
45	A Highly Efficient Luminescent Metal–Organic Framework with Strong Conjugate Unit for Sensing Small Molecules. Chinese Journal of Chemistry, 2022, 40, 1305-1312.	4.9	24
46	Synthesis and luminescence properties of a novel double-perovskite Ca2ScTaO6:Mn4+ far-red phosphor used for plant growth lighting. Optical Materials, 2020, 109, 110274.	3.6	23
47	Luminescent Metal–Organic Framework-Based Fluorescence Turn-On and Red-Shift Sensor toward Al ³⁺ and Ga ³⁺ : Experimental Study and DFT Calculation. Crystal Growth and Design, 2022, 22, 277-284.	3.0	23
48	Temperature-controlled polymorphism of chiral Cu ^{II} –Ln ^{III} dinuclear complexes exhibiting slow magnetic relaxation. Dalton Transactions, 2015, 44, 11191-11201.	3.3	22
49	Two di- and trinuclear Gd(III) clusters derived from monocarboxylates exhibiting significant magnetic entropy changes. Polyhedron, 2017, 121, 180-184.	2.2	22
50	A proton conductor showing an indication of single-ion magnet behavior based on a mononuclear Dy(<scp>iii</scp>) complex. Journal of Materials Chemistry C, 2021, 9, 481-488.	5.5	21
51	A fluorescence red-shift and turn-on sensor for acetylacetone derived from Zn ^{II} -based metal–organic framework with new topology. CrystEngComm, 2021, 23, 2532-2537.	2.6	21
52	Luminescent monometallic Cu(<scp>i</scp>) triphenylphosphine complexes based on methylated 5-trifluoromethyl-3-(2′-pyridyl)-1,2,4-triazole ligands. New Journal of Chemistry, 2016, 40, 5325-5332.	2.8	20
53	Reversible structural phase transition, ferroelectric and switchable dielectric properties of an adduct molecule of hexamethylenetetramine ferrocene carboxylic acid. RSC Advances, 2017, 7, 41369-41375.	3.6	20
54	Sol-gel preparation and near-infrared emission properties of Yb3+ sensitized by Mn4+ in double-perovskite La2ZnTiO6. Optical Materials, 2018, 84, 82-88.	3.6	20

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55	Conductive 2D Metalâ€organic Framework (Co, NiCo, Ni) Nanosheets for Enhanced Nonâ€enzymatic Detection of Urea. Electroanalysis, 2021, 33, 1484-1490.	2.9	20
56	A multi-responsive luminescent sensor based on a stable Eu(<scp>iii</scp>) metal–organic framework for sensing Fe ³⁺ , MnO ₄ ^{â^²} , and Cr ₂ O ₇ ^{2â^²} in aqueous solutions. CrystEngComm, 2022, 24, 1041-1048.	2.6	20
57	Two GdIII complexes with different structures and magnetocaloric properties induced by metal ion sources. New Journal of Chemistry, 2019, 43, 18445-18450.	2.8	19
58	Turn-on and blue-shift fluorescence sensor toward <scp>l</scp> -histidine based on stable Cd ^{II} metal–organic framework with tetranuclear cluster units. Dalton Transactions, 2022, 51, 5983-5988.	3.3	19
59	Blue-shifted and naked-eye recognition of H2PO4â^ and acetylacetone based on a luminescent metalâ^ organic framework with new topology and good stability. Chinese Chemical Letters, 2023, 34, 107532.	9.0	19
60	Two novel coordination polymers constructed from 2,2′-bipyridine-3,3′-dicarboxylic acid 1,1′-dioxide ligands. CrystEngComm, 2011, 13, 3040.	2.6	18
61	Unusual Two–step Switchable Dielectric Behaviors and FerroelasticPhase Transition in a Simple 18â€Crownâ€6 Clathrate. ChemistrySelect, 2016, 1, 6772-6776.	1.5	18
62	A family of 2D lanthanide complexes based on flexible thiodiacetic acid with magnetocaloric or ferromagnetic properties. Inorganica Chimica Acta, 2017, 455, 190-196.	2.4	18
63	Atom- and step-economic synthesis of π-conjugated large oligomers via C H activated oligomerization. Dyes and Pigments, 2019, 162, 640-646.	3.7	18
64	Rare Fluorescence Red-Shifted Metal–Organic Framework Sensor for Methylamine Derived from an N-Donor Ligand. Crystal Growth and Design, 2021, 21, 5765-5772.	3.0	18
65	Gd(<scp>iii</scp>)-Based inorganic polymers, metal–organic frameworks and coordination polymers for magnetic refrigeration. CrystEngComm, 2022, 24, 2370-2382.	2.6	18
66	Multiwavelength near infrared downshift and downconversion emission of Tm3+ in double perovskite Y2MgTiO6:Mn4+/Tm3+ phosphors via resonance energy transfer. Journal of Luminescence, 2019, 213, 356-363.	3.1	17
67	Symmetry breaking and switchable thermal dielectric behaviors triggered by order-disorder phase transition in a neutral co-crystallized organic adduct. Chemical Physics Letters, 2019, 715, 45-50.	2.6	17
68	A Mechanochromic and Vapochromic Luminescent Cuprous Complex Based on a Switchable Intramolecular π··΀ Interaction. Inorganic Chemistry, 2022, 61, 254-264.	4.0	17
69	Structural phase transitions, dielectric bistability and luminescence of two bulky ion-pair crystals [N(C ₃ H ₇) ₄] ₂ [Ln(NO ₃) ₅] (Ln =) T	j E I @q1 1	. 0 .78 4314 rg
70	Single-step access to a series of D–A π-conjugated oligomers with 3–10 nm chain lengths. Polymer Chemistry, 2019, 10, 325-330.	3.9	15
71	Tb ^{III} /3d–Tb ^{III} clusters derived from a 1,4,7-triazacyclononane-based hexadentate ligand with field-induced slow magnetic relaxation and oxygen-sensitive luminescence. New Journal of Chemistry, 2019, 43, 4067-4074.	2.8	15
72	Synthesis and characterization of mono- and dinuclear copper(I) complexes with 3-(2-pyrimidinyl)-1,2,4-triazine. Transition Metal Chemistry, 2011, 36, 379-385.	1.4	14

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73	Lanthanide-based metal–organic framework materials as bifunctional fluorescence sensors toward acetylacetone and aspartic acid. CrystEngComm, 2022, 24, 2464-2471.	2.6	14
74	Charge compensation on the luminescence properties of ZnWO4:Tb3+ phosphors via hydrothermal synthesis. Optik, 2013, 124, 5057-5060.	2.9	13
75	Heterobimetallic copper(<scp>i</scp>) complexes bearing both 1,1′-bis(diphenylphosphino)ferrocene and functionalized 3-(2′-pyridyl)-1,2,4-triazole. New Journal of Chemistry, 2019, 43, 4261-4271.	2.8	12
76	<scp>Oneâ€Pot</scp> Synthesis of 3―to <scp>15â€Mer π onjugated</scp> Discrete Oligomers with Widely Tunable Optical Properties. Chinese Journal of Chemistry, 2021, 39, 577-584.	[/] 4.9	12
77	Novel Diketopyrrolopyrrole-Based π-Conjugated Molecules Synthesized Via One-Pot Direct Arylation Reaction. Molecules, 2019, 24, 1760.	3.8	11
78	A family of nickel–lanthanide heterometallic dinuclear complexes derived from a chiral Schiff-base ligand exhibiting single-molecule magnet behaviors. Inorganica Chimica Acta, 2015, 435, 274-282.	2.4	10
79	Organicâ€inorganic Hybrid ([BrCH ₂ CH ₂ N(CH ₃) ₃] ⁺ ₂ [CdBr <su with Unusual Ferroelectric and Switchable Dielectric Bifunctional Properties over Different Temperature Range, Chemistry - an Asian Journal, 2020, 15, 1621-1626.</su 	b34	>] ^{2a 10}
80	A Three-Dimensional Porous Mn(II)-Metal–Organic Framework Based on a Caged Structure Showing High Room-Temperature Proton Conductivity. Crystal Growth and Design, 2022, 22, 1045-1053.	3.0	10
81	Stable bifunctional Zn ^{II} -based sensor toward acetylacetone and <scp>I</scp> -histidine <i>via</i> a fluorescence red shift and turn-on effect. CrystEngComm, 2022, 24, 1744-1751.	2.6	10
82	Palladiumâ€Catalyzed Twoâ€Component Domino Coupling Reaction of (<i>Z</i>)â€Î²â€Bromostyrenes with Norbornenes: Synthesis of 1,5â€Enynes. Advanced Synthesis and Catalysis, 2016, 358, 1873-1879.	4.3	9
83	Sequence-controlled supramolecular copolymer constructed by self-sorting assembly of multiple noncovalent interactions. Organic Chemistry Frontiers, 2021, 8, 1117-1124.	4.5	9
84	Reversible Structural Phase Transition and Dielectric Switches Induced by Disorderingâ€Ordering Motion of Tetrachloroferrate (III) Anions. ChemistrySelect, 2017, 2, 8168-8172.	1.5	8
85	Exceptional second harmonic generation responses, switchable dielectric behaviours, and ferroelectric property in an adduct of hexamethylene-tetramine·bisnopinic acid. Chemical Physics, 2018, 502, 66-71.	1.9	8
86	Multifunctional Lanthanide Complexes Based on Tetraazacyclolamidophenol Ligand with Field-Induced Slow Magnetic Relaxation, Luminescent and SHG Properties. European Journal of Inorganic Chemistry, 2019, 2019, 1406-1412.	2.0	8
87	A tricolor-switchable stimuli-responsive luminescent binuclear Cu(<scp>i</scp>) complex with switchable NHâ <o 2022,="" 2305-2314.<="" 9,="" chemistry="" frontiers,="" inorganic="" interactions.="" td=""><td>6.0</td><td>8</td></o>	6.0	8
88	Switchable Dielectric Behaviors, Heat Anomalies and Ferroelastic Property of [Zn(en) ₃]SO ₄ . ChemistrySelect, 2017, 2, 774-778.	1.5	7
89	2 p -4 f MOFs based on naphthalene-1,4,5,8-tetracarboxylate with magnetocaloric effect and slow magnetic relaxation properties. Polyhedron, 2017, 132, 123-129.	2.2	7
90	Chiral mononuclear Dy(III) complex based on pyrrolidine-dithiocarboxylate S-donors with field-induced single-ion magnet behavior. Inorganica Chimica Acta, 2018, 473, 145-151.	2.4	7

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91	One-pot synthesis of long-chain monodisperse π-conjugated oligomers terminated by C–H or C–Br bonds. Dyes and Pigments, 2020, 172, 107819.	3.7	7
92	A family of lanthanide metal–organic frameworks based on a redox-active tetrathiafulvalene-dicarboxylate ligand showing slow relaxation of magnetisation and electronic conductivity. Dalton Transactions, 2021, 50, 14714-14723.	3.3	7
93	Rapid 16S rDNA electrochemical sensor for detection of bacteria based on the integration of target-triggered hairpin self-assembly and tripedal DNA walker amplification. Analytica Chimica Acta, 2022, 1190, 339266.	5.4	7
94	<i>In situ</i> synthesis, crystal structures, and luminescence of two new tetrazole complexes. Journal of Coordination Chemistry, 2010, 63, 3101-3107.	2.2	6
95	Synthesis, Crystal Structure, and Characterization of three New Letrozole Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 372-376.	1.2	6
96	A highly stable and luminescent mononuclear Cu(I) bis-{5- tert -butyl-3-(6-methyl-2-pyridyl)-1 H -1,2,4-triazole} complex. Chinese Chemical Letters, 2017, 28, 1027-1030.	9.0	6
97	Two Gd2 cluster complexes with monocarboxylate ligands displaying significant magnetic entropy changes. Journal of Molecular Structure, 2020, 1200, 127094.	3.6	6
98	Reversible stimuli-responsive luminescence of bimetallic cuprous complexes based on NH-deprotonated 3-(2â \in^2 -pyridyl)pyrazole. Journal of Materials Chemistry C, O, , .	5.5	6
99	A multi-responsive MOF-based fluorescent probe for detecting Fe ³⁺ , Cr ₂ O ₇ ^{2â``} and acetylacetone. New Journal of Chemistry, 2021, 45, 22915-22923.	2.8	6
100	Structural phase transitions and switchable dielectric constants of two ionic co-crystals (am)3[La(NO3)6] (am = (n-Pr)3NH, (n-Bu)3NH). Inorganica Chimica Acta, 2018, 482, 878-883.	2.4	4
101	Chiral to Chiral Phase Transition in a Novel Hydrogen Bond Type Molecular Ferroelectric. ChemistrySelect, 2018, 3, 8183-8188.	1.5	4
102	Stable hydrogen-bonded organic frameworks for selective fluorescence detection of Al ³⁺ and Fe ³⁺ ions. CrystEngComm, 2021, 23, 8334-8342.	2.6	4
103	One pot synthesis, crystal structures and properties of two new MOFs with imidazole-containing tripodal ligand. Science China Chemistry, 2014, 57, 1514-1519.	8.2	3
104	Synthesis of hierarchical hollow tungsten trioxide sphere and its evaluation as an electrocatalyst support for methanol oxidation. Journal of Solid State Electrochemistry, 2015, 19, 315-320.	2.5	3
105	Emissive mononuclear Cu(I) triphenylphosphine complexes with functionalized 6-tert-butoxycarbonyl-2,2′-bipyridine. Chemical Research in Chinese Universities, 2018, 34, 19-23.	2.6	3
106	Multifunctional ZnII–LnIII (Ln = Tb, Dy) complexes based on the amine-phenol ligand with field-induced slow magnetic relaxation, luminescence, and proton conduction. New Journal of Chemistry, 2021, 45, 3392-3399.	2.8	3
107	Luminescence properties and energy transfer mechanism of La2ZnTiO6:Mn4+/Er3+ far-red/green dual-emitting phosphors for plant lighting. Journal of Solid State Chemistry, 2021, 303, 122470.	2.9	2
108	Mononuclear copper(I) complexes bearing 1,3-bis(diphenylphosphino)propane and functional 6-Cyano-2,2′-bipyridine ligands. Journal of Molecular Structure, 2022, 1247, 131402.	3.6	1

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109	A multidentate polymer microreactor route for green mass fabrication of mesoporous NaYF ₄ clusters. Chemical Communications, 2022, 58, 1764-1767.	4.1	1