

# ICSD-无机晶体结构数据库 使用指南

iGroup · 上海

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## Content Selection

- Experimental Structures only
- Theoretical Structures only
- All Structures

## Navigation

Basic search & retrieve

Advanced search & retrieve

- Bibliography
- Cell
- Chemistry
- Symmetry
- Crystal Chemistry
- Structure Type
- Experimental Information
- DB Info

## Query Management

- Manage Queries
- List Combined Queries
- Create Combined Query

## Basic Search & Retrieve

### Bibliography

Authors  Year of Publication

Title of Journal

Cell Parameters

Number of Elements

Space Group Number

Crystal System  Centering  Tolerance +/-  %

Temperature  K

Pressure  MPa

ICSD Collection Code

基本检索

高级检索

检索式管理

## Search Action

## Search Summary

Basic Search: -

## Query History

Number of queries: 10

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

# 高级检索-依据文献检索



**检索相应作者提供的晶体结构**

**检索来源于某期刊的晶体结构**

**检索来源于某文章的晶体结构**

**限定来源出版物的时间**

**限定来源出版物的卷期**

**限定关键词**

**Search Action**  
Run Query Clear Query

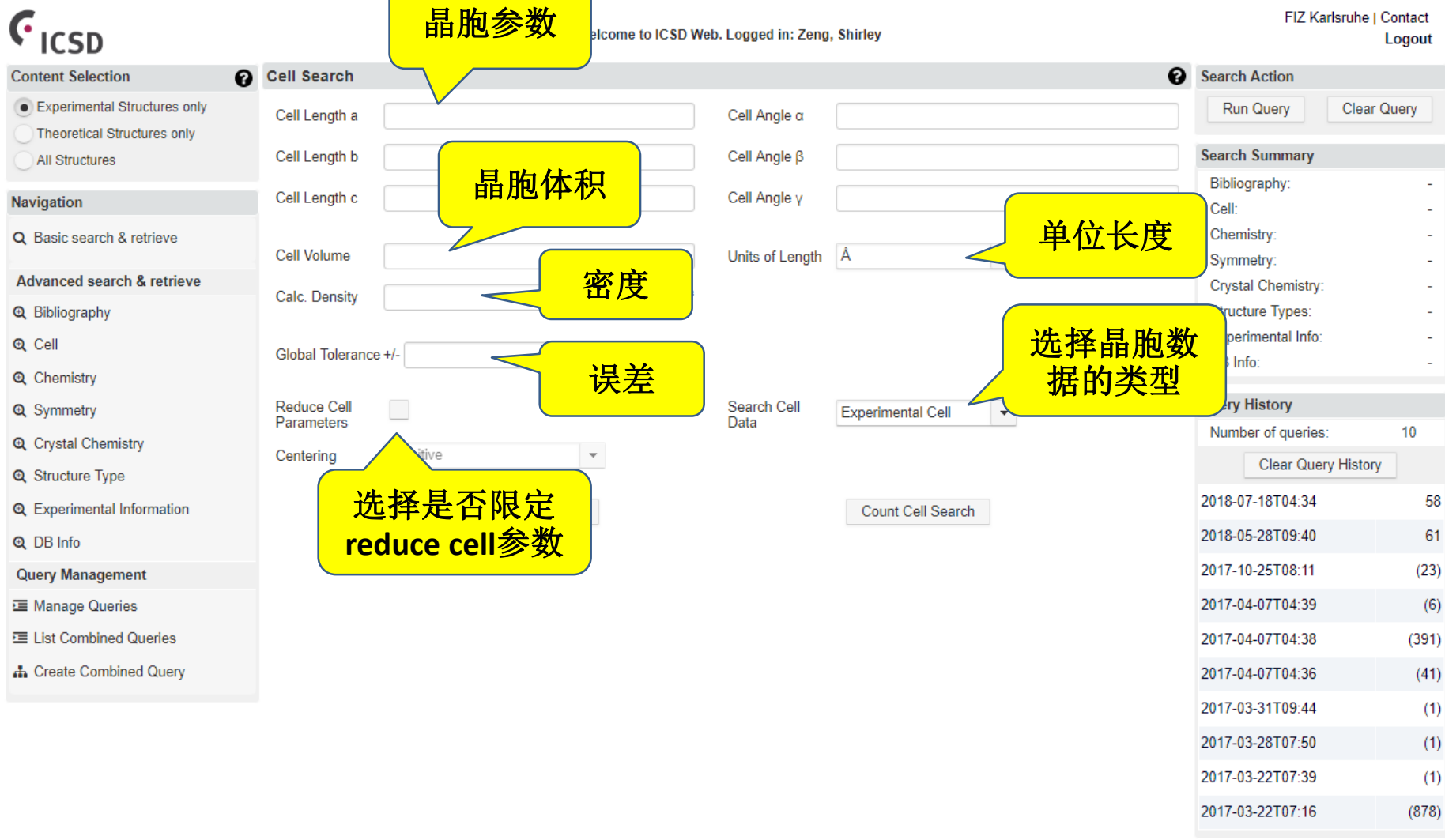
**Search Summary**

Bibliography:	-
Cell:	-
Chemistry:	-
Symmetry:	-
Crystal Chemistry:	-
Structure Types:	-
Experimental Info:	-
DB Info:	-

**Query History**

Number of queries:	10
Clear Query History	
2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

# 高级检索-依据晶胞检索



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**晶胞参数**

**晶胞体积**

**密度**

**误差**

**单位长度**

**选择晶胞数据的类型**

**选择是否限定 reduce cell 参数**

**Content Selection**

- Experimental Structures only
- Theoretical Structures only
- All Structures

**Navigation**

- Basic search & retrieve
- Advanced search & retrieve
  - Bibliography
  - Cell
  - Chemistry
  - Symmetry
  - Crystal Chemistry
  - Structure Type
  - Experimental Information
  - DB Info
- Query Management
  - Manage Queries
  - List Combined Queries
  - Create Combined Query

**Cell Search**

Cell Length a

Cell Length b

Cell Length c

Cell Volume

Calc. Density

Global Tolerance +/-

Reduce Cell Parameters

Centering

Cell Angle  $\alpha$

Cell Angle  $\beta$

Cell Angle  $\gamma$

Units of Length

Search Cell Data

Count Cell Search

**Search Action**

Run Query Clear Query

**Search Summary**

Bibliography: -

Cell: -

Chemistry: -

Symmetry: -

Crystal Chemistry: -

Structure Types: -

Experimental Info: -

Info: -

**Query History**

Number of queries: 10

Clear Query History

Query ID	Count
2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

# 高级检索-依据化学式检索

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**成分**      **元素数量**

**分子式**

**化学物质名称**

**矿物群**      **矿物名称**

**分子量**

Content Selection

- Experimental Structures only
- Theoretical Structures only
- All Structures

Navigation

- Basic search & retrieve
- Advanced search & retrieve
  - Bibliography
  - Cell
  - Chemistry
  - Symmetry
  - Crystal Chemistry
  - Structure Type
  - Experimental Information
  - DB Info
- Query Management
  - Manage Queries
  - List Combined Queries
  - Create Combined Query

Chemistry Search

Composition   Number of Elements

Structural Formula

Chemical Name

Mineral Name

Mineral Group

ANX Formula  Number of Formula Units

AB Formula

Formula Weight

Search Action

Search Summary

Bibliography: -

Cell: -

Chemistry: -

Symmetry: -

Crystal Chemistry: -

Structure Types: -

Experimental Info: -

DB Info: -

Query History

Number of queries: 10

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

# 高级检索-依据晶体对称性检索

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## Symmetry Search

Note: Restrictions apply to Experimental Cell

Space Group Symbol  e. g. Fm-3m

Include All Settings

Space Group Number

Crystal System

Crystal Class  Crystal Class HM- or Schoenflies-Notation

Laue Class

Wyckoff Sequence

Pearson Symbol

Polar Axis  Inversion Cent

Clear Symmetry Search      Count Symmetry Search

**空间群**

**晶系**

**晶体等级**

**Wyckoff序列**

**Pearson符号**

**对称中心**

Content Selection

- Experimental Structures only
- Theoretical Structures only
- All Structures

Navigation

- Basic search & retrieve
- Advanced search & retrieve
- Bibliography
- Cell
- Chemistry
- Symmetry
- Crystal Chemistry
- Structure Type
- Experimental Information
- DB Info

Query Management

- Manage Queries
- List Combined Queries
- Create Combined Query

Search Action

Run Query      Clear Query

Search Summary

- Bibliography: -
- Cell: -
- Chemistry: -
- Symmetry: -
- Crystal Chemistry: -
- Structure Types: -
- Experimental Info: -
- DB Info: -

Query History

Number of queries: 10

Clear Query History

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

# 高级检索-依据原子坐标检索

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### Content Selection

- Experimental Structures only
- Theoretical Structures only
- All Structures

### Navigation

- Basic search & retrieve
- Advanced search & retrieve
  - Bibliography
  - Cell
  - Chemistry
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  - Experimental Information
  - DB Info
- Query Management
  - Manage Queries
  - List Combined Queries
  - Create Combined Query

### Crystal Chemistry Search

#### Interatomic Distances

	Atom A	Ox. A		Atom B	Ox. B	d <sub>min</sub> AB	d <sub>max</sub> AB
	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AND	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AND	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AND	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Minimum Distances

Atom A		Atom B	d <sub>min</sub> AB	d <sub>max</sub> AB
<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Crystal Structure is

<input type="checkbox"/> Polytype Structure	<input type="checkbox"/> Order/Disorder Structure Type
<input type="checkbox"/> Modulated Structure	<input type="checkbox"/> Mineral
<input type="checkbox"/> Disordered Structure	<input type="checkbox"/> Prototype Structure Type

Clear Check Boxes

Clear Crystal Search      Count Crystal Search

### Search Action

Run Query      Clear Query

### Search Summary

- Bibliography: -
- Cell: -
- Chemistry: -
- Symmetry: -
- Crystal Chemistry: -
- Structure Types: -
- Experimental Info: -
- DB Info: -

### Query History

Number of queries: 10

Clear Query History

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

限定原子间的距离

限定晶体结构类型

# 高级检索-依据晶体结构检索

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### Structure Type Search

Pre Defined Structure Types

Structure Type

Search in predefined structure types

#### Structure Type Descriptors

SpaceGrp  Wyck  Pearson  ANX

**结构类型**

**空间群**

**Wyckoff序列**

**Pearson符号**

**ANX结构**

Search Action

#### Search Summary

Bibliography:	-
Cell:	-
Chemistry:	-
Symmetry:	-
Crystal Chemistry:	-
Structure Types:	-
Experimental Info:	-
DB Info:	-

Series: 10

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)



# 高级检索-依据实验信息检索

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### Content Selection

- Experimental Structures only
- Theoretical Structures only
- All Structures

### Navigation

- Basic search & retrieve
- Advanced search & retrieve
  - Bibliography
  - Cell
  - Chemistry
  - Symmetry
  - Crystal Chemistry
  - Structure Type
  - Experimental Information
  - DB Info
- Query Management
  - Manage Queries
  - List Combined Queries
  - Create Combined Query

### Experimental Information Search

Temperature  K

Pressure  MPa

Comments

R-Value

### Radiation Type

- X-Ray
- Electrons
- Neutrons
- Synchrotron

### Sample Type

- Powder
- Single Crystal

### Additional Properties

- Twinned Crystal Data
- Rietveld Refinement employed
- Anharmonic Temperature Factors given
- Absolute Configuration determined
- Experimental PDF number assigned
- Calculated PDF number assigned
- NMR Data available
- Magnetic Structure available
- Earlier work
- Factors available
- Cell Constants without s.d.
- Only Cell and Structure Type determined

Clear Experimental Info Search

Count Experimental Info Search

### Search Action

### Search Summary

Bibliography:	-
Cell:	-
Chemistry:	-
Symmetry:	-
Chemistry:	-
Types:	-
ental Info:	-
DB Info:	-

### Query History

Number of queries: 10

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

温度

压力

注释

射线类型

R值

样本类型

其他属性

# 高级检索-依据数据库记录信息检索

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**ICSD**

Content Selection **?** DB Info Search

- Experimental Structures only
- Theoretical Structures only
- All Structures

Navigation

- Basic search & retrieve
- Advanced search & retrieve
  - Bibliography
  - Cell
  - Chemistry
  - Symmetry
  - Crystal Chemistry
  - Structure Type
  - Experimental Information
  - DB Info
- Query Management
  - Manage Queries
  - List Combined Queries
  - Create Combined Query

ICSD Collection Code  e.g. 9061 or 90000-95000 **ICSD代码**

PDF Number  e.g. 47-1360 **PDF文档号码**

Release Tag  e.g. 2007.1 or 2005.1-2007.1 **发布时间**

Recording Date  yyyy-mm-dd, e.g. 1998-06-26 **收录日期**

Modification Date  yyyy-mm-dd, e.g. 2006-04-01 **修改日期**

New Data Only  **限定来源仅为新数据**

Clear DB Info Search Count DB Info Search

Search Action

Run Query Clear Query

Chemistry: -

Symmetry: -

Crystal Chemistry: -

Structure Types: -

Experimental Info: -

DB Info: -

Query History

Number of queries: 10

Clear Query History

2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)
2017-04-07T04:36	(41)
2017-03-31T09:44	(1)
2017-03-28T07:50	(1)
2017-03-22T07:39	(1)
2017-03-22T07:16	(878)

# 检索结果显示



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Results: List View # of Hits: 34

Back to Query Show Detailed View Export Data Report Compare Structures Compare Powder Pattern Column Selection Filter

<input type="checkbox"/>	Coll. Code ▲	HMS ⇅	Struct. Form.	Title ⇅	Authors ⇅	Reference ⇅	☆
<input type="checkbox"/>	5319	I-4 2 m	(Ag <sub>0.88</sub> Cu <sub>0.13</sub> ) <sub>2</sub>	Mercury-arsenic sulfide	Biagioni, c.; Bonaccorsi, R.	Mineralogical Magazine	☆
<input type="checkbox"/>	37160	C 1 c 1	Zn (Ag (S C N) <sub>2</sub> ) <sub>2</sub>				☆
<input type="checkbox"/>	39691	I-4 3 m	Cu <sub>9.9</sub> Ag <sub>0.06</sub> Zn <sub>1.8</sub> La <sub>6</sub> Ni <sub>6</sub> P <sub>17</sub>				☆
<input type="checkbox"/>	39692	I-4 3 m	Cu <sub>7.02</sub> Ag <sub>2.88</sub> Zn <sub>1.4</sub> La <sub>6</sub> Ni <sub>6</sub> P <sub>17</sub>	Crystal structure feature	Rozhdestvenskaya, I.	Mineralogicheskii Zhurnal	☆
<input type="checkbox"/>	39693	I-4 3 m	Cu <sub>6.3</sub> Ag <sub>3.54</sub> Zn <sub>1.4</sub> Cu <sub>11+x</sub> Sb <sub>4</sub> S <sub>13</sub>	Crystal structure feature	Rozhdestvenskaya, I.	Mineralogicheskii Zhurnal	☆
<input type="checkbox"/>	39694	I-4 3 m	Cu <sub>4.44</sub> Ag <sub>6</sub> Zn <sub>0.6</sub> F (Cu,Zn) <sub>5</sub> Ag <sub>6</sub> FeSb <sub>4</sub> S <sub>13</sub>	Crystal structure feature	Rozhdestvenskaya, I.	Mineralogicheskii Zhurnal	☆
<input type="checkbox"/>	48197	P n a 21	Zn Ag P S <sub>4</sub> KNiPO <sub>4</sub>	Structure du Tetrathionate	Toffoli, P.; Rouland, J.	Acta Crystallographica	☆
<input type="checkbox"/>	71563	C 1 2/c 1	Zn (Ag (S C N) <sub>2</sub> ) <sub>2</sub>	Redetermination of structure	Jones, P.G.; Bember, R.	Acta Crystallographica	☆
<input type="checkbox"/>	72719	C 1 2/c 1	Ag <sub>2</sub> Zn (P <sub>2</sub> S <sub>6</sub> )	Synthesis and structure	Boucher, F.; Evain, M.	European Journal of Mineralogy	☆
<input type="checkbox"/>	154404	P m n 21	Ag (Cd <sub>0.5</sub> Zn <sub>1.5</sub> ) (G Enargite-Cu <sub>3</sub> As <sub>4</sub>	Synthesis and X-ray	Parasyuk, O.V.; Olek, S.	Crystal Research and Technology	☆

ICDS代码      结构形式      空间群      来源文献标题      作者      参考文献      筛选功能      标记代表为高质量数据

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# 检索结果的详细信息： 一条完整的记录



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Detailed View

Entry 1 of 1 ?

[Back to Query](#) [Back to List](#)



[Export Cif](#) [Report](#) [Feedback to Editor](#)

Summary

Collection Code 5319

Struct.formula	(Ag.88 Cu.13 Zn.08) Hg1.91 Tl (As.79 Sb.21)2 S6	Author	Biagioni, c.; Bonaccorsi, E.; Moelo, Y.; Orlandi, P.; Bindi, L.; D'Orazio, M.; Vezzoni, S.
Space Group	I-4 2 m (121)	Title of Article	Mercury-arsenic sulfosalts from the Apuan Alps (Tuscany, Italy). II. Arsiccioite, AgHg2TlAs2S6, a new mineral from the Monte Arsiccio mine: occurrence, crystal structure and crystal chemistry of the routhierite isotopic series
Unit Cell	10.1386(6) 10.1386(6) 11.3441(5) 90. 90. 90.	Reference	Mineralogical Magazine (2014) 78, (1) p101-p117
Cell Volume	1166.07 Å <sup>3</sup>	Warnings & Comments	0 Warnings / 0 Comments
	Formula Units per Cell 4		
Temperature	room temperature	Pressure	atmospheric
PDF-Numbers		R-Value	0.0304
Remark			High Quality Data

Details

[Expand all](#) / [Close all](#)

- ▶ Visualization
- ▶ Chemistry
- ▶ Published Crystal Structure Data
- ▶ Standardized Crystal Structure Data
- ▶ Distances and Angles
- ▶ Bibliography
- ▶ Experimental
- ▶ Warnings and Comments
- ▶ Compare Published and Standardized Structure

# 检索结果的详细信息： 一条完整的记录

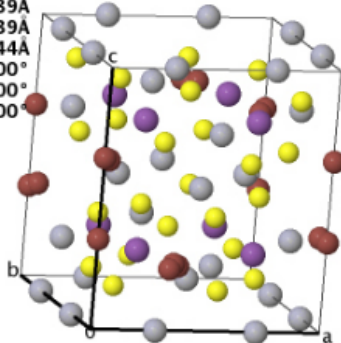
Details ?


Expand all / Close all

Visualization

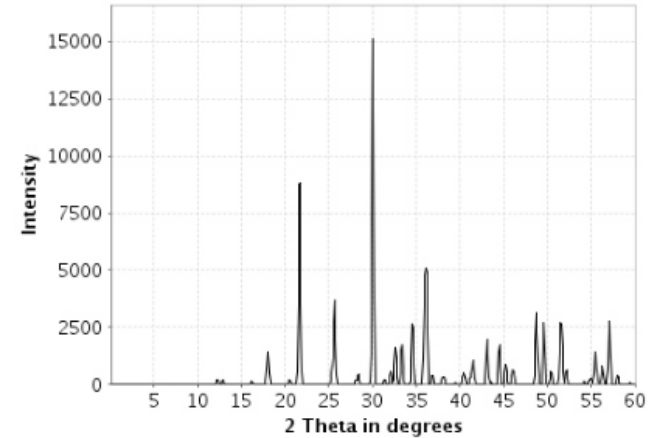
Published Crystal Structure


HM:I -4 2 m  
a=10.139Å  
b=10.139Å  
c=11.344Å  
 $\alpha=90.000^\circ$   
 $\beta=90.000^\circ$   
 $\gamma=90.000^\circ$



 Interactive Visualization

Powder Pattern



 Interactive Visualization

Chemistry

Sum Formula

Struct. Form

Chemical Name

Mineral Name

Mineral Group

Number of Formula Units

ANX Formula  
Cryst. Comp.

AB Formula  
Chem. Comp.

# 检索结果的详细信息： 一条完整的记录



Published Crystal Structure Data

Cell Parameters	10.1386(6) 10.1386(6) 11.3441(5) 90. 90. 90.				
Volume	1166.07	Formula Units per Cell	4	Calc. Dens.	6.03
Space Group	I -4 2 m (121)	Pearson Symbol	tl48	Meas. Dens.	
Crystal System	tetragonal	Crystal Class	-42m	Laue Class	4/mmm
Wyckoff Sequence	j i3 f e d	Structure Type			
Axis Ratios	a/b 1.0000	b/c 0.8937	c/a 1.1189		
Remark					

EL	Lbl	OxState	Wyck Symb	X	Y	Z	U	SOF	H
Tl	1	+1.00	4 e	0	0	0.345(1)	.043(1)	0.360000	.36
Tl	2	+1.00	8 i	.026(1)	-.026(1)	0.3588(3)	.043(1)	0.320000	.32
Hg	1	+2.00	4 d	0	0.5	0.75	.0386(3)	0.650000	.65
Ag	1	+1.00	4 d	0	0.5	0.75	.0386(3)	0.140000	.14
Cu	1	+1.00	4 d	0	0.5	0.75	.0386(3)	0.130000	.13
Zn	1	+2.00	4 d	0	0.5	0.75	.0386(3)	0.080000	.08
Hg	2	+2.00	8 f	0.22008(6)	0.5	0.5	.0339(2)	0.630000	.63
Ag	2	+1.00	8 f	0.22008(6)	0.5	0.5	.0339(2)	0.370000	.37
As	1	+3.00	8 i	0.25816(7)	0.25816(7)	0.25354(13)	.0225(3)	0.790000	.79
Sb	1	+3.00	8 i	0.25816(7)	0.25816(7)	0.25354(13)	.0225(3)	0.210000	.21
S	1	-2.00	16 j	0.0949(2)	0.3284(2)	0.3797(2)	.0244(3)		
S	2	-2.00	8 i	0.1232(2)	0.1232(2)	0.1428(2)	.0220(5)		

# 检索结果的详细信息— 一条完整的记录



## Standardized Crystal Structure Data

Cell Parameters	10.1386 10.1386 11.3441 90.000 90.000 90.000				
Volume	1166.07	Formula Units per Cell	4	Calc. Dens.	6.03
Space Group	I -4 2 m(121)	Pearson Symbol	tl48		
Crystal System	tetragonal	Crystal Class	-42m	Laue Class	4/mmm
Wyckoff Sequence	j i3 g e d				
Axis Ratios	a/b 1.0000	b/c 0.8937	c/a 1.1189		
Transformation Method	Tidy				
Transformation Info	TRANS Origin 0 0 1/2				
Remark					

EL	Lbl	OxState	Wyck Symb	X	Y	Z	U	SOF
Tl	1	+1.00	4 e	0.0000	0.0000	0.1550	0.0430	0.3600
Tl	2	+1.00	8 i	0.0260	0.0260	0.1412	0.0430	0.3200
Hg	1	+2.00	4 d	0.0000	0.5000	0.2500	0.0386	0.6500
Ag	1	+1.00	4 d	0.0000	0.5000	0.2500	0.0386	0.1400
Cu	1	+1.00	4 d	0.0000	0.5000	0.2500	0.0386	0.1300
Zn	1	+2.00	4 d	0.0000	0.5000	0.2500	0.0386	0.0800
Hg	2	+2.00	8 g	0.2799	0.0000	0.5000	0.0339	0.6300
Ag	2	+1.00	8 g	0.2799	0.0000	0.5000	0.0339	0.3700
As	1	+3.00	8 i	0.2418	0.2418	0.2535	0.0225	0.7900
Sb	1	+3.00	8 i	0.2418	0.2418	0.2535	0.0225	0.2100
S	1	-2.00	16 j	0.1716	0.4051	0.3797	0.0244	
S	2	-2.00	8 i	0.3768	0.3768	0.1428	0.0220	

# 检索结果的详细信息： 一条完整的记录



## Distances and Angles

Select pairs of elements

Select from atom position

Atom A

Ag  
 As  
 Cu  
 Hg

✓ (un)select all

Atom B

Ag  
 As  
 Cu  
 Hg

✓ (un)select all

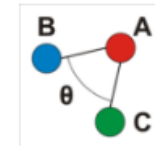
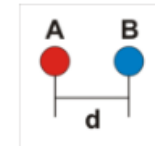
Atom C

Ag  
 As  
 Cu  
 Hg

✓ (un)select all

Histograms

Calculate



## Bibliography

Title of Article	Mercury-arsenic sulfosalts from the Apuan Alps (Tuscany, Italy). II. Arsiccioite, AgHg <sub>2</sub> TlAs <sub>2</sub> S <sub>6</sub> , a new mineral from the Monte Arsiccio mine: occurrence, crystal structure and crystal chemistry of the routhierite isotopic series
1st Reference	Mineralogical Magazine (2014) 78, (1) p101-p117 DOI: 10.1180/minmag.2014.078.1.08 Get full text by: Google
Keywords	
2nd Reference	
3rd Reference	



# 检索结果的详细信息： 一条完整的记录



## ▼ Experimental

### External Conditions

#### Temperature

room temperature

#### Pressure

atmospheric

#### Radiation Type

- Xray       Electrons       Neutrons       Synchrotron

#### Sample Type

- Powder       Single Crystal

#### R-value

0.0304

### Additional Information

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Twinned Crystal Data              | <input checked="" type="checkbox"/> Temperature Factors available | <input type="checkbox"/> NMR Data available                      |
| <input type="checkbox"/> Rietveld Refinement employed      | <input type="checkbox"/> Magnetic Structure Available             | <input type="checkbox"/> Correction of Earlier Work              |
| <input type="checkbox"/> Absolute Configuration Determined | <input type="checkbox"/> Anharmonic temperature factors given     | <input type="checkbox"/> Cell Constants without s.d.             |
| <input type="checkbox"/> Experimental PDF Number assigned  | <input type="checkbox"/> Calculated PDF Number assigned           | <input type="checkbox"/> Only Cell and Structure Type determined |

### Properties of Structure

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Polytype Structure       | <input type="checkbox"/> Order/Disorder Structure | <input type="checkbox"/> Disordered Structure |
| <input type="checkbox"/> Prototype Structure Type | <input type="checkbox"/> Modulated Structure      | <input checked="" type="checkbox"/> Mineral   |
| <input type="checkbox"/> Structure Prototype      |   |   |

## ▼ Warnings and Comments

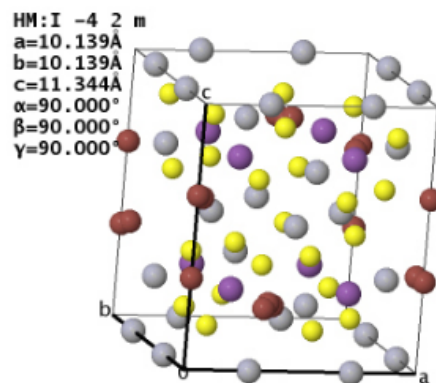
### Warnings

### Comments

# 检索结果的详细信息： 一条完整的记录

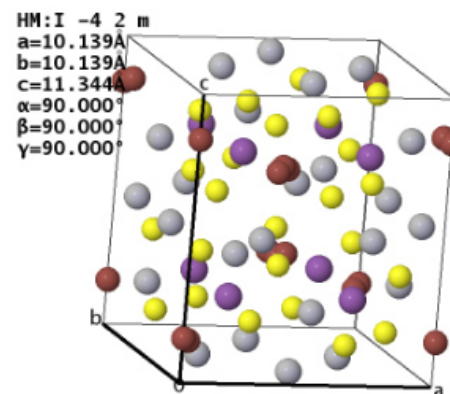
▼ Compare Published and Standardized Structure

Published Crystal Structure



Standardized Crystal Structure

★ 收藏



Interactive Visualization

# 检索式管理

Welcome to ICSD Web. Logged in: Zeng, Shirley

FIZ Karlsruhe | Contact  
Logout

### Content Selection

- Experimental Structures only
- Theoretical Structures only
- All Structures

### Navigation

- Basic search & retrieve
- Advanced search & retrieve
  - Bibliography
  - Cell
  - Chemistry
  - Symmetry
  - Crystal Chemistry
  - Structure Type
  - Experimental Information
  - DB Info
- Query Management
  - Manage Queries
  - List Combined Queries
  - Create Combined Query

### Chemistry Search

Composition:   Number of Elements:

Structural Formula:  e.g. Pb (W O4)

Chemical Name:

Mineral Name:  e.g. Adamite

Mineral Group:  e.g. Pyroxene

ANX Formula:

Number of Formula Units:

### Search Action

### Search Summary

Bibliography:	-
Cell:	-
Chemistry:	34
Symmetry:	-
Crystal Chemistry:	-
Structure Types:	-
Experimental Info:	-
DB Info:	-
<b>Combined Results:</b>	<b>34</b>

### Query History

Number of queries: 12

2018-08-07T08:46	34
2018-08-07T08:45	882
2018-07-18T04:34	58
2018-05-28T09:40	61
2017-10-25T08:11	(23)
2017-04-07T04:39	(6)
2017-04-07T04:38	(391)

**检索式管理**

**联合检索式列表**

**创建联合检索式**

**检索历史列表**

谢谢！