

古生物形態標本資料集

YujiSode

無料で読める本

本書の目的は生物の形態標本を利用・複製・改変・再配布可能な状態の画像で記録する事です。
およそ46億年の地球史の過程で生物は多様な形態を得てきました。
生物の形態の多様性はアイディアのヒントとなると思います。
本書の標本写真や図は生物学的な教育目的や研究目的だけでなく、その他の用途にも利用可能です（例えば画像解析、デザイン、アート、etc.）。

"Morphological collection in Paleobiology"

The purpose of this book is to document morphological specimens of living organisms in images that can be used, copied, modified, and redistributed.
Over 4.6 billion-year history of the Earth, lives have varied in forms.
The morphological biodiversity can be a source of ideas.
The photographs and diagrams in this book can be used for biological education, research, and other purposes (e.g., image analysis, design, art, etc.).

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YujiSode

興味のある分野はJavaScript, Tcl, 数学, 地質学, 生物学などです。

フォロー



Topics

image science paleobiology fossils morphology



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Introduction

YujiSode
2022.10.06に更新

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"古生物形態標本資料集"

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主な読者としては以下を想定しています:

1. 学術的に形態情報を集めている人
2. アイディアのために生物の形を参考にしたい人
3. 貝類や化石の写真が好きな人

"Morphological collection in Paleobiology"

The purpose of this book is to document morphological specimens of living organisms in images that can be used, copied, modified, and redistributed.

Over 4.6 billion-year history of the Earth, lives have varied in forms.

The morphological biodiversity can be a source of ideas.

The photographs and diagrams in this book can be used for biological education, research, and other purposes (e.g., image analysis, design, art, etc.).

This book was written assuming following readers:

1. those who are collecting morphological information for academic study.
2. those who need various biological form samples to create ideas.
3. those who like to see pictures of shells or fossils.

本書の形態学的コレクションが研究や学習だけでなく創作活動の助けになる事を願います。

この科学コレクションは愛媛大学における研究及び学習の過程(2007-2018)で収集されたものです。

I hope morphological collection in this book helps not only studies but also creative activities.
This scientific collection has been collected while studying at Ehime University (2007-2018).

Yuji Sode

Morphological collection in Paleobiology
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Change log

- Released: [1.0.0] - 2022-10-06

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Phylum Mollusca Class
Gastropoda 軟体動物門 腹足綱



**Phylum Mollusca Class Gastropoda 軟體動物門 腹足綱**YujiSode
2022.08.19に更新

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- Class Gastropoda 腹足綱

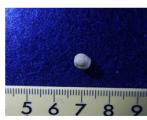
Phylum Mollusca 軟体動物門**Class Gastropoda 腹足綱**Genus *Avellana**Avellana* sp.

Figure mgs-1.



Figure mgs-2.



Figure mgs-3.

Genus *Serpulorbis**Serpulorbis imbricatus*

Figure mgs-4.



Figure mgs-5.



Figure mgs-6.

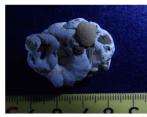


Figure mgs-7.

Body of *Serpulorbis imbricatus*

Figure mgs-8.



Figure mgs-9.

Genus *Tonna**Tonna cf. luteostoma*

Figure mgs-10.



Figure mgs-11.

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Phylum Mollusca Class

Bivalvia 軟体動物門 二枚貝綱



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Phylum Mollusca 軟体動物門

Class Bivalvia 二枚貝綱

Subclass Protobranchia 原鰐亞綱

Genus *Acila**Acila aff. hokkaidoensis*

Figure mbv-1.

Subclass Palaeoheterodonta 古異曲亞綱

Genus *Apiotrigonia*aff. *Apiotrigonia* sp.

Figure mbv-2.



Figure mbv-3.



Figure mbv-4.

Subclass Pteriomorphia 翼型亞綱

Genus *Inoceramus**Inoceramus elegans*

Figure mbv-5.

Inoceramus exensis

Figure mbv-6.

Inoceramus naumanni

Figure mbv-7.



Figure mbv-8.



Figure mbv-9.

Inoceramus aff. orientalis orientalis

Figure mbv-10.

Genus *Nanonavis*aff. *Nanonavis* sp.

Figure mbv-11.

Tetragonites glaber and *Nanonavis sachalinensis*

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Yujisode
2022.10.06に更新

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Phylum Mollusca 軟体動物門

Class Cephalopoda 頭足綱

Subclass Ammonoidea アンモナイト亜綱

Genus *Baculites*

Baculites tanakae



Figure mcp-1.

Baculites aff. tanakae



Figure mcp-2.



Figure mcp-3.

Baculites aff. uedae



Figure mcp-4.

Baculites aff. uedae in fecal pellets



Figure mcp-5.

Genus *Damesites*

Damesites sugata



Figure mcp-6.



Figure mcp-7.

Damesites damesi damesi



Figure mcp-8.

Damesites aff. damesi damesi



Figure mcp-9.

Damesites damesi intermedius



Figure mcp-10.

Genus *Eupachydiscus*

Eupachydiscus aff. haradae



Figure mcp-11.



Figure mcp-12.

Genus *Hauericeras*

Hauericeras angustum



Figure mcp-13.



Figure mcp-14.

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- Class Cephalopoda 頭足綱

Phylum Mollusca 軟體動物門

Class Cephalopoda 頭足綱

Subclass Ammonoidea アンモナイト亞綱

Genus *Heterptychoceras**Heterptychoceras obatal*

Figure mcp-15.

Genus *Hyphantoceras**Hyphantoceras orientale*

Figure mcp-16.



Figure mcp-17.

Genus *Neophytyloceras**Neophytyloceras ramosum*

Figure mcp-18.

Neophytyloceras aff. ramosum



Figure mcp-19.



Figure mcp-20.

Genus *Polyptychoceras**Polyptychoceras pseudogaufratum*

Figure mcp-21.



Figure mcp-22.



Figure mcp-23.

Genus *Tetragonites**Tetragonites glaber*

Figure mcp-24.

Tetragonites glaber and *Nanonavis sachalinensis*

Figure mcp-25.



Figure mcp-26.



Figure mcp-27.

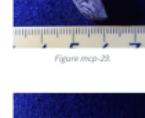
Genus *Zelandites**Zelandites sp.*

Figure mcp-28.

Aptychi 翼殼

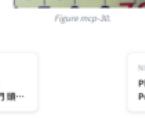
Aptychus

Figure mcp-29.



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Phylum Mollusca Class Polyplacophora 軟体動物門 多板綱

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2022.08.20に更新

このチャプターの目次

- Phylum Mollusca 軟体動物門
 - Class Polyplacophora 多板綱

Phylum Mollusca 軟体動物門

Class Polyplacophora 多板綱

Genus *Acanthopleura*

Acanthopleura japonica



Figure mpl-1.



Figure mpl-2.



Figure mpl-3.

Plates of *Acanthopleura japonica*



Figure mpl-4.



Figure mpl-5.



Figure mpl-6.

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Phylum Arthropoda Class Malacostraca 節足動物門 軟甲綱

 YujiSode
2022.08.28に更新

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- Phylum Arthropoda 節足動物門
- Subphylum Crustacea 甲殻亜門
 - Class Malacostraca 軟甲綱

Phylum Arthropoda 節足動物門

Subphylum Crustacea 甲殻亜門

Class Malacostraca 軟甲綱

Genus *Linuparus**Linuparus* sp.

Figure amf-1.



Figure mpl-2.



Figure mpl-3.



Figure mpl-4.



Figure amf-5.

Superfamily Majoidea

Superfamily Majoidea gen. et sp. indet.



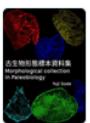
Figure amf-6.

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Phylum Chordata Subphylum Vertebrata 脊索動物門 脊椎動物亞門



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2022.08.30に更新

このチャプターの目次

- Phylum Chordata 脊索動物門
- Subphylum Vertebrata 脊椎動物亞門

Phylum Chordata 脊索動物門

Subphylum Vertebrata 脊椎動物亞門

Vertebrae

Vertebrae gen. et sp. indet.



Figure cvr-1.

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Contour Diagrams 1 輪郭図 1

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2022.08.25に更新

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- Gastropoda 腹足綱
- Class Bivalvia 二枚貝綱

Contour Diagrams (gastropods and bivalves) 輪郭図 (腹足類と二枚貝類)

輪郭図は本書の標本画像に輪郭抽出を適用した結果に基づいて作成した図です。
These contour diagrams based on each result of contour extraction from sample image in this book.

Gastropoda 腹足綱

Genus *Aveniana**Aveniana* sp.

Figure colg1-1. Diagram of contours

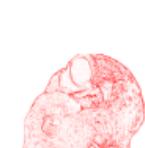


Figure colg1-2. Diagram of contours and black (#0000) background.

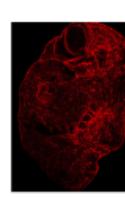
Genus *Serpulorbis**Serpulorbis imbricatus*

Figure colg1-3. Diagram of contours



Figure colg1-4. Diagram of contours and black (#0000) background.

Genus *Tonna**Tonna* cf. *luteosterna*

Figure colg1-5. Diagram of contours

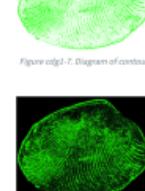


Figure colg1-6. Diagram of contours and black (#0000) background.

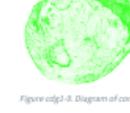
Genus *Acola**Acola* aff. *nobilis*

Figure colg1-7. Diagram of contours

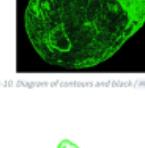


Figure colg1-8. Diagram of contours and black (#0000) background.

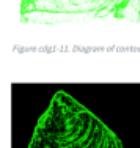
Genus *Inoceramus**Inoceramus exesus*

Figure colg1-9. Diagram of contours

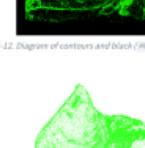


Figure colg1-10. Diagram of contours and black (#0000) background.

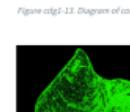
Inoceramus *naumanni*

Figure colg1-11. Diagram of contours



Figure colg1-12. Diagram of contours and black (#0000) background.

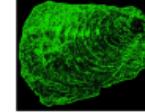
Inoceramus aff. *orientalis* *orientalis*

Figure colg1-13. Diagram of contours



Figure colg1-14. Diagram of contours and black (#0000) background.

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Phylum Chordata

Subphylum Vertebrata

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- Class Cephalopoda 頭足綱

Contour Diagrams (cephalopods and polyplacophorans)
輪郭図 (頭足類と多板類)

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Class Cephalopoda 頭足綱

Genus Baculites

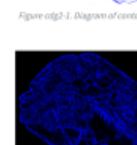
Baculites aff. vedae

Figure cdg2-1. Diagram of contours

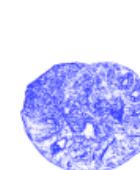


Figure cdg2-2. Diagram of contours and black (#0000) background.

Genus Damesites

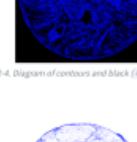
Damesites aff. damesi damezi

Figure cdg2-3. Diagram of contours

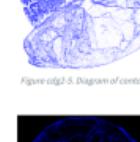


Figure cdg2-4. Diagram of contours and black (#0000) background.

Genus Damesites

Damesites aff. damezi damezi

Figure cdg2-5. Diagram of contours

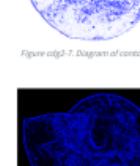


Figure cdg2-6. Diagram of contours and black (#0000) background.

Genus Eupachydiscus

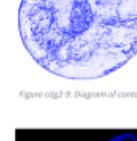
*Eupachydiscus aff. horadai**Damesites aff. damezi damezi*

Figure cdg2-7. Diagram of contours

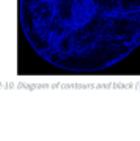


Figure cdg2-8. Diagram of contours and black (#0000) background.



Figure cdg2-9. Diagram of contours

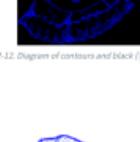


Figure cdg2-10. Diagram of contours and black (#0000) background.

Genus Heterptychoceras

Heterptychoceras obatai

Figure cdg2-11. Diagram of contours

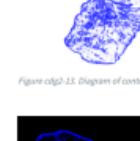


Figure cdg2-12. Diagram of contours and black (#0000) background.

Genus Hyphantoceras

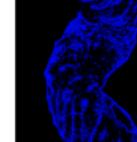
Hyphantoceras orientale

Figure cdg2-13. Diagram of contours



Figure cdg2-14. Diagram of contours and black (#0000) background.

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Contour Diagrams [cephalopods and polyplacophorans]
輪郭図 (頭足類と多板類)

輪郭図は本書の標本画像に輪郭抽出を適用した結果に基づいて作成した図です。
These contour diagrams based on each result of contour extraction from sample image in this book.

Class Cephalopoda 頭足綱

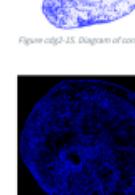
Genus *Neophyloceras**Neophyloceras aff. ramosum*

Figure cdg2-15. Diagram of contours

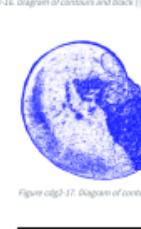


Figure cdg2-16. Diagram of contours and black (#0000) background.

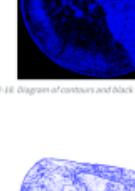


Figure cdg2-17. Diagram of contours

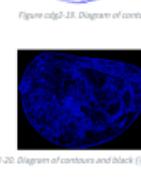


Figure cdg2-18. Diagram of contours and black (#0000) background.

Genus *Tetragonites**Tetragonites glaber*

Figure cdg2-19. Diagram of contours



Figure cdg2-20. Diagram of contours and black (#0000) background.



Figure cdg2-21. Diagram of contours

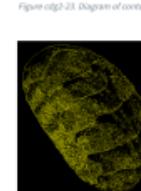


Figure cdg2-22. Diagram of contours and black (#0000) background.



Figure cdg2-23. Diagram of contours



Figure cdg2-24. Diagram of contours and black (#0000) background.

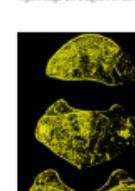


Figure cdg2-25. Diagram of contours

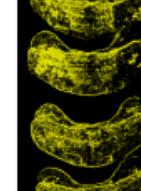


Figure cdg2-26. Diagram of contours and black (#0000) background.



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YujiSode
2022.08.30に更新

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- Contour Diagrams (malacostracans and vertebrates) 輪郭図 (軟甲類と脊椎動物)
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Contour Diagrams (malacostracans and vertebrates) 輪郭図 (軟甲類と脊椎動物)

輪郭図は本書の標本画像に輪郭抽出を適用した結果に基づいて作成した図です。
These contour diagrams based on each result of contour extraction from sample image in this book.

AA

Class Malacostraca 軟甲綱

Genus Linuparus

Linuparus sp.

Figure cdg3-1. Diagram of contours

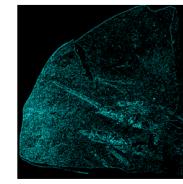


Figure cdg3-2. Diagram of contours and black (#0000f) background.

Superfamily Majoidea

Superfamily Majoidea gen. et sp. indet.

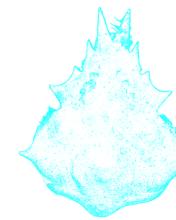


Figure cdg3-3. Diagram of contours

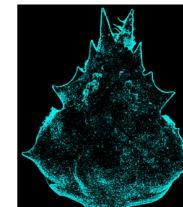


Figure cdg3-4. Diagram of contours and black (#0000f) background.

Subphylum Vertebrata 脊椎動物亜門

Vertebrae

Vertebrae gen. et sp. indet.

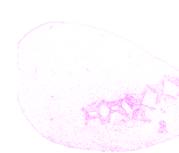


Figure cdg3-5. Diagram of contours

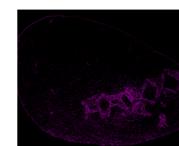


Figure cdg3-6. Diagram of contours and black (#0000f) background.

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2022.08.22に更新

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興味のある分野はJavaScript, Tcl, 数学, 地質学, 生物学などです。

フォロー



PREV

Contour Diagrams 3 輪郭図 3