
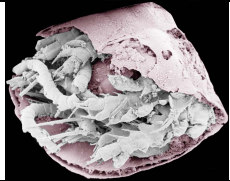
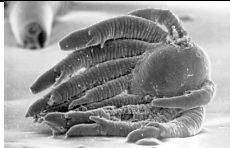

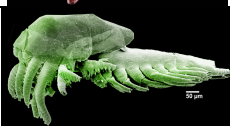

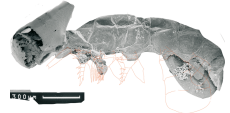


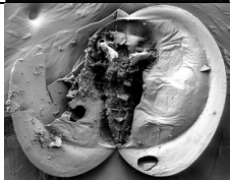

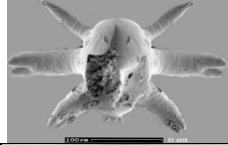

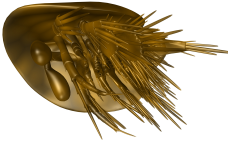
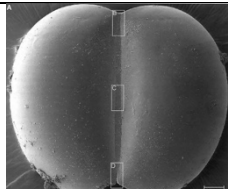
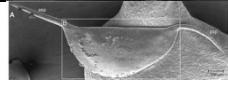
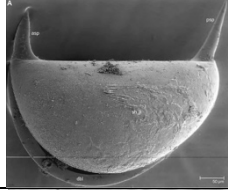

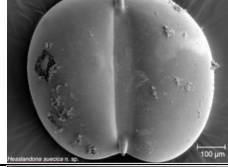
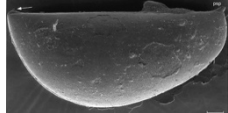
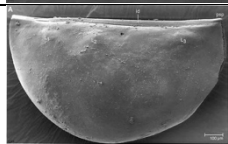
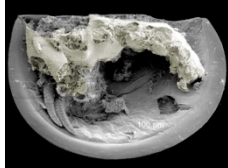

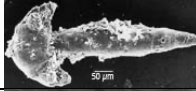
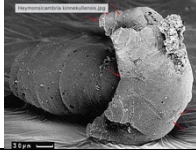

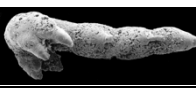


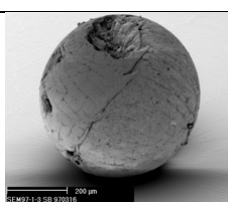


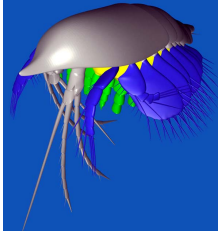


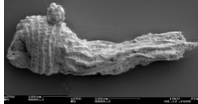
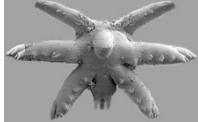


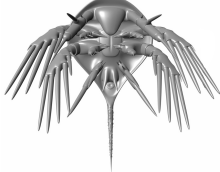



## Taxa in Orsten type preservation updated 24. 1. 2025


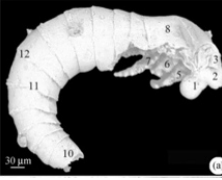

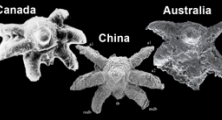
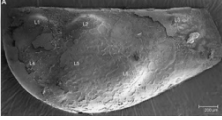
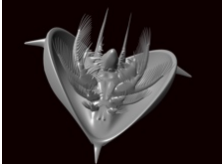
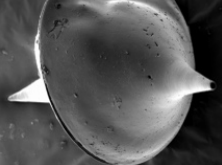
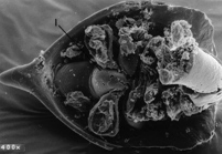
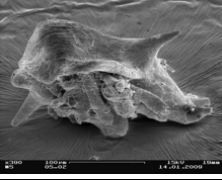

This is our first, yet not complete list of now more than 50 'Orsten' fossil taxa (name given also by others, of course) – the only authorized by us. **Copies of list and images only on request!**

no	taxon (mainly species)	locality/stratigraphic range	systematics	picture	major references/mentionings
1	<i>Aengapentastomum andresi</i> Waloszek, Repetksi & Maas, 2006	Sweden, Västergötland, Furongian, highest Cambrian, re-worked into Lower Ordovician layers	Arthropoda s. l. Pentastomida s. l.		Waloszek et al. 2006
2	<i>Aagnostus pisiformis</i> (Wahlenberg, 1818)	S, Skåne, Öland, Västergötland, Cambrian series 3, highest Middle Cambrian, acc. to Int. Stratigraphic Commission (originally <i>A. pisiformis</i> zone = z1 = lowest stratum of Upper Cambrian of Baltoscandic Region)	Arthropoda s. str. Euarthropoda incertae sedis, possibly closer to Crustacea s. l. (sister taxon?)		Müller & Walossek 1987, Walossek & Müller 1990, 1998a, Stein et al. 2005, Erikson's paper
3	unpublished workname <i>Blombergia guttiformis</i> noch zu beschreiben	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally , <i>A. pisiformis</i> zone = zone 1 )	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage?		noch fertig zu stellen, Larvenpaper
4	<i>Boeckelericambria pelturae</i> Walossek & Müller, 1994	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally , <i>A. pisiformis</i> zone = zone 1)	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
5	<i>Bredocaris admirabilis</i> Müller, 1983	S, Västergötland, Kinnekulle, highest Furongian (originally zone 5 = Peltura zone = upper zone of Upper Cambrian of Baltoscandic Region)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca Maxillopoda Thecostraca s. l.		Müller 1983, Müller & Walossek 1988b, Walossek & Müller 1992, 1998a, b
6	<i>Cambrocaris baltica</i> Walossek & Szaniawski, 1991	northern Poland, Furongian = late Cambrian	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Walossek & Szaniawski 1991
7	<i>Cambropachycope clarksoni</i> Walossek & Müller, 1990	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally , <i>A. pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Walossek & Müller 1990
8	<i>Cambropycnogon klausmuelleri</i> Waloszek & Dunlop, 2002	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally , <i>A. pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Chelicerata s.str. Pycnogonida stemlineage		Müller & Walossek 1986b, 1988a, Walossek & Dunlop 2002, Vilpoux & Waloszek 2003
9	<i>Dala peilertae</i> Müller, 1982	S, Västergötland, Kinnekulle, highest Furongian (originally zone 5 = Peltura zone)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomos-traca Euentomostraca Maxillopoda s. i.		Müller 1981, see also Müller 1983, which was not the real first description, corrected date is 1982
10	<i>Falites fala</i> Müller, 1964, ST 1708 UB W 237	S, Västergötland, Ctenopyge Zone z5, highest Furongian (originally zone 5 = Peltura zone)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Müller 1964; Müller 1979; Maas et al. 2003  ST 1708 UB W 237
11	<i>Goticaris longispinosa</i> Walossek & Müller, 1990	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally <i>A. pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Walossek & Müller 1990

12	unpublished workname <i>Gumella</i> xxxx noch zu beschreiben	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Eucrustacean indet.		noch zu beschreiben
13	<i>Haffnericambria trolmeniensis</i> Walossek & Müller, 1994	S, Västergötland, Kinnekulle, highest Furongian, late Cambrian	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
14	<i>Henningsmoenicaris scutula</i> (Walossek & Müller, 1990) new name for <i>Henningsmoenia scutula</i> Walossek & Müller 1990	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage name changed since <i>Henningsmoenia</i> was pre-occupied by Schallreuter (1968)		Walossek & Müller, 1990, 1991
15	<i>Hesslandona angustata</i> Maas, Waloszek & Müller, 2003, ST 3122 (UB W 203, Holotype)	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Maas et al. 2003  ST 3122 UB W 203, Holotyp
16	<i>Hesslandona curvispina</i> Maas, Waloszek & Müller, 2003, ST 3721 (UB W 205, Holotype)	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Maas et al. 2003  ST 3721 UB W 205, Holotyp
17	<i>Hesslandona kinnekullensis</i> Müller, 1964, ST 2225 (UB W 174)	S, Västergötland, Öland, Olenus Zone (Lowermost Furongian)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Müller 1964, see also Maas et al. 2003  ST 2225 (B W 174)
18	<i>Hesslandona necopina</i> Müller, 1964 (Type species of <i>Hesslandona</i> Müller, 1964), ST 2204 (UB W 165)	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Müller 1964, see also Maas et al. 2003  Type species of H. Müller, 1964), ST 2201 (UB W 165)
19	<i>Hesslandona suecica</i> Maas, Waloszek & Müller, 2003, ST 3211 (UB W 197)	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Maas et al. 2003  ST 3211 UB W 197
20	<i>Hesslandona toreborgensis</i> Maas, Waloszek & Müller, 2003, ST 3771 (UB W 214, Holotype)	S, Västergötland, Öland, Olenus Zone (lowest Furongian)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Maas et al. 2003  ST 3771 UB W 214, Holotyp
21	<i>Hesslandona trituberculata</i> Lochmann & Hu, 1960, ST 3244 (UB W 179)	S, Västergötland, Kinnekulle, Öland, Olenus Zone (highest Furongian); Holotype from Du Noir Limestone, early Upper Cambrian, Cedaria Zone at Sheep Mountain Section, Northwest Wind River Mountains, northeastern Sublette County, Wyoming, USA	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Lochmann & Hu 1960, see also Maas et al. 2003  ST 3244 UB W 179
22	<i>Hesslandona unisulcata</i> Müller, 1982 ST xxxx	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Müller 1979, Müller 1982, Maas et al. 2003, Maas & Waloszek 2005

23	<i>Hesslandona ventrospinata</i> Gründel in Gründel & Buchholz, 1980, ST 3488 (UB W 186)	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally <i>A.-pisiformis</i> zone = zone 1); Holotype from erratic boulders of Rügen	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Gründel & Buchholz 1980, see also Maas et al. 2003  ST 3488 UB W 186
24	<i>Heymonsicambria gossmanae</i> Walossek & Müller, 1994	S, Västergötland, Kinnekulle, highest Furongian, late Cambrian	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
25	<i>Heymonsicambria kinnekullensis</i> Walossek & Müller, 1994	S, Västergötland, Kinnekulle, highest Furongian	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
26	<i>Heymonsicambria repetskii</i> Walossek & Müller, 1994	S, Västergötland, Kinnekulle, highest Furongian	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
27	<i>Heymonsicambria scandica</i> Walossek & Müller, 1994	S, Västergötland, Kinnekulle, highest Furongian	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
28	<i>Heymonsicambria</i> sp. a of Walossek & Müller (1994)	S, Västergötland, Kinnekulle, highest Furongian	Arthropoda s. l. Pentastomida s. l.		Walossek & Müller 1994
29	<i>Heymonsicambria taylori</i> Walossek, Repetski & Müller, 1994	Canada, Newfoundland, Upper Furongian or Lower Ordovician	Arthropoda s. l. Pentastomida s. l.		Walossek, Repetski & Müller 1994
30	<i>Klausmuelleria salopensis</i> Siveter, Waloszek & Williams, 2003	UK, Comley, possibly series 2, highest Lower Cambrian	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina – sister taxon to all other phosphatocopines?		Siveter et al. 2001, 2003, Maas et al. 2003, Maas & Waloszek 2005
31	<i>Markuelia lauriei</i> Haug, Maas, Waloszek, Donoghue & Bengtson, 2009	Australia, Rogers Ridge, possibly, series 2 or 3, former Middle Cambrian	Nemathelminthes Cycloneuralia ? Scalidophora		Haug et al. 2009
32	<i>Martinssonella elongata</i> Müller & Walossek, 1986	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally <i>A.-pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Müller & Walossek 1986, Walossek & Müller 1990
33	<i>Musacaris gerdgeyeri</i> Haug, Waloszek & Maas, 2010	S, Västergötland, Kinnekulle, Cambrian series 3	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Haug et al. 2010a
34	<i>Oelandocaris oelandica</i> Müller, 1983	S, Öland, highest Furongian, new material from Västergötland, which is also highest Cambrian	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Müller 1983, Stein et al. 2005
	Orstenocarida Müller & Walossek, 1988	S, Västergötland, Kinnekulle, highest Cambrian = Furongian	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca	see <i>Bredocaris</i>	Müller 1983, Müller & Walossek 1988b, Walossek & Müller 1992, 1998a, b

			Maxillopoda Thecos-traca s. l.		
35	<i>Orstenoloricus shergoldii</i> Maas, Waloszek, Haug & Müller, 2009	Australia, Rogers Ridge, possibly, series 2 or 3, former Middle Cambrian	Nemathelminthes Cycloneuralia Scalidophora		Maas et al. 2009
36	unpublished workname "Orstenominimus xxxxx=" noch zu beschreiben	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.-pisiformis zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea indet.		noch fertig zu stellen, Larvenpaper
37	<i>Orstenotubulus ewamuelleriae</i> Maas, Mayer, Kristensen & Waloszek, 2007	S, Skåne, Öland, Västergötland, Kinnekulle, Cambrian series 3	Arthropoda s. l. "lobopodians"		Maas et al. 2007
38	Phosphatocopina Müller, 1964	worldwide, Middle to Upper Cambrian, according to the find of Klausmuelleria from Lower Cambrian onward until early Ordovician	Arthropoda s. str. Euarthropoda Crustacea Labrophora – sister taxon to Eucrustacea	see Hesslandona	Müller 1964, 1979a, b, c, 1982, Maas et al. 2003, 2004, Maas & Waloszek 2005
39	<i>Rehbachella kinnekullensis</i> Müller, 1983	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.-pisiformis zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea, Labrophora Eucrustacea Entomostraca Euentomostraca Branchiopoda – sister species to Eubranchiopoda		Müller 1983, Walossek & Müller 1990, 1998a, b, Walossek 1993, 1995, 1996, 1999, Walossek 2003a, b, Waloszek & Maas 2005
40	<i>Sandtorpia vestrogothiensis</i> Haug, Maas & Waloszek, 2010	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.-pisiformis zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea s. l. stemlineage		Haug et al. 2010b
41	<i>Shergoldana australiensis</i> Maas, Waloszek, Haug & Müller, 2007	Australia, Rogers Ridge, possibly, series 2 or 3, former Middle Cambrian	Nemathelminthes ? Cycloneuralia		Maas et al. 2007
	Skaracarida Müller & Walossek, 1985 not numbered because unnecessary taxon name	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.-pisiformis zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca Maxillopoda Copepodoida (related to Mys-taocarida & Copepoda)	see Skara	Müller & Walossek 1985
42	<i>Skara anulata</i> Müller 1983	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A.-pisiformis zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca Maxillopoda Copepodoida Skaracarida		Müller 1983, Walossek & Müller 1990, 1998a, b,
43	<i>Skara ?minuta</i>	from a borehole in Poland, stratum unclear	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca Maxillopoda Copepodoida Skaracarida		Walossek & Szaniawski 1991

44	<i>Skara minuta</i> Müller & Walossek, 1985	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca Maxillopoda Copepodoida Skaracarida		Müller & Walossek 1985, Walossek & Müller 1990, 1998a, b
45	<i>Skara huanensis</i> Dong in Liu & Dong, 2007	China, Upper Cambrian = Furongian, but unclear	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Maxillopoda Copepodoida Skaracarida		Liu & Dong 2007
46	<i>Trapezilites minimus</i> (Kummerow, 1931), ST 3423 (UB W 220)	SS, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A- <i>pisiformis</i> zone = zone 1) and Olenus Zone (Lowermost Furongian) of Västergötland, Öland, S	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		see also Maas et al. 2003 ST 3423 UB W 220
47	Type A larva, no 1	few specimens of the Swedish form also from highest Furongian, in addition Canada lower Ordovician and Australia middle Cambrian series 2/3	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea indet.		Müller & Walossek 1986b
48	<i>Veldotron bratteforsa</i> Müller, 1964, ST 3491 (UB W 233)	S, Västergötland, Öland, Olenus Zone (lowest Furongian)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Müller 1964, see also Maas et al. 2003 ST 3491 UB W 233
49	<i>Vestragothia spinata</i> Müller, 1964, ST 2252 (UB W 243)	S, Västergötland, Kinnekulle, Ctenopyge Zone (Zone 5), Furongian	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Müller 1964, see also Maas et al. 2003 ST 2252 UB W 243
50	<i>Waldoria rotundata</i> Gründel in Gründel & Buchholz, 1981, ST 11091 (UB W 224)	S, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A- <i>pisiformis</i> zone = zone 1); Holotype from erratic boulders of Rügen	Arthropoda s. str. Euarthropoda Crustacea Labrophora Phosphatocopina		Gründel & Buchholz 1980, see also Maas et al. 2003 ST 11091 UB W 224
52	<i>Walossekia quinquespinosa</i> Müller, 1983	SS, Västergötland, Kinnekulle, Gum, Cambrian series 3 (originally A- <i>pisiformis</i> zone = zone 1)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca Euentomostraca incertae sedis		Müller 1983
53	<i>Wujicaris muelleri</i> , Zhang, Maas, Haug, Siveter & Waloszek, 2010	China, Yunnan Province, Xiao-tan section, Yongshan, Yu'an-shan Formation, Eoredlichia-Wutingaspis Biozone, upper Lower Cambrian of traditional usage)	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca ? Euentomostraca incertae sedis		Zhang et al. 2010
54	<i>Yicaris dianensis</i> Zhang, Siveter, Waloszek & Maas, 2007	China, Province Yunnan, Cambrian series 1	Arthropoda s. str. Euarthropoda Crustacea Labrophora Eucrustacea Entomostraca inc.sed.		Zhang, Siveter, Waloszek & Maas, 2007