

Last updated: 10 June 2025

SOLIERELLA

Solierella Spinola, 1851a:349. Type species: *Solierella miscophoides* Spinola, 1851, by monotypy.

Sylaon Piccioli, 1869a:pl. 1. Type species: *Silaon compeditus* Piccioli, 1869, by monotypy.

Silaon Piccioli, 1869b:283. Lapsus or emendation of *Sylaon* Piccioli, 1869.

Niteliopsis S. Saunders, 1873:410. Type species: *Niteliopsis pisonoides* S. Saunders, 1873, by monotypy. Gender: feminine (Article 30.1.2 of the Code).

Ammosphecidium Kohl, 1878:701. Type species: *Ammosphecidium helleri* Kohl, 1878 [= *Silaon compeditus* Piccioli, 1869], by monotypy.

Lautara Herbst, 1920a:217. Type species: *Lautara jaffueli* Herbst, 1920, by monotypy.

Keys: Williams, 1950 (species of California); de Beaumont, 1964b:53 (European and East Mediterranean species); Lomholdt, 1985 (southern African species); R. Bohart, 1991b (*inermis* group); Schmid-Egger, 2011b:582 (United Arab Emirates); Genaro (Antilles).

Review of biology: Kazenas, 2001b:168.

1. abdominalis F. Williams

Solierella abdominalis F. Williams, 1950:381, ♀, ♂. Holotype: ♀, USA: California: Riverside County: Palm Springs (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera).

2. aegyptia Kohl

Solierella aegyptia Kohl, 1898a:352, ♀. Holotype or syntypes: ♀, Egypt: Lower Egypt: no specific locality (NHMW). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); Pulawski, 1964:132 (Egypt: Aswan, Kom Osheim; redescription); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Roche, 2007a:98 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

3. affinis (Rohwer)

Niteliopsis affinis Rohwer, 1909a:113, ♀. Holotype or syntypes: ♀, USA: Colorado: Garfield County: Rifle (USNM). – F. Williams, 1914a:178 (in revision of Larrinae of Kansas). – **As *Silaon affinis***: Rohwer, 1917a:247 (new generic assignment, California: Alameda County). – **As *Solierella affinis***: Krombein in Muesebeck, Krombein, and Townes, 1951:942 (new generic assignment, in catalog of North American Hymenoptera); F. Williams, 1953:162 (California); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: California); Evans, 1970:488 (Wyoming: Jackson Hole; nest, prey); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera); Radović, 1985:65 (sting apparatus analyzed); Ratzlaff, 2016:26 (first record from Canada: British Columbia: Southern Interior), 35 (British Columbia: Aspen Grove) Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, first record from Alberta: no specific locality).

4. albipes (Ashmead)

Plenoculus albipes Ashmead, 1899c:339, ♂. Holotype: ♂, Colorado: Garfield County: Rifle (USNM). – Ashmead, 1899c:338 (in key to *Plenoculus*), 1899d:251 (in checklist of North American Crabronidae). – **As *Solierella albipes***: F. Williams, 1950:385 (new generic assignment, in revision of *Solierella* of California), 1953:162 (California, correction to bibliography); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:46 (California Channel Islands); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon); Ratzlaff, 2018:116 (first record from Canada: British Columbia: Osoyoos at 49.0364°N 119.5002°W) Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, first record from Alberta: no specific locality).

5. *amazonica* Ducke

Solierella amazonica Ducke, 1904a:96, ♀, ♂. Syntypes: Brazil: Amapá Territory: north of lower Amazon (Mus. Goeldi, Bélem). – Ducke, 1907b:93 (in key to Brazilian species); Menke, 1968b:312 (in list of South American *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Nascimento, 1979:13 (syntypes in Mus. Goeldi, Bélem); Nascimento and Overal, 1979:9 (in list of Hymenoptera described by Adolfo Ducke), 1980:10 (Brazil); Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Roig, 1988:14 (Ducke's material in Bern Museum); Amarante, 2002:42 (in catalog of Neotropical Crabronidae). – **As *Tenila amazonica***: Brèthes, 1913:153 (new generic assignment, type species of *Tenila*).

6. *andradei* de Beaumont

Solierella andradei de Beaumont, 1957a:145, ♀, ♂. Holotype: ♂, Morocco: Melilla (Coimbra). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Ben Khedher, Yildirim, and Braham, 2021a:60 (first record from Tunisia: Mahdia: Sidi Alouane: Saada at 35°22'0.2"N 10°49'52.1"E); Schmid-Egger and Bitsch *in* Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:318 (in revision of Sphecidae *sensu lato* of Europe).

7. *antennalis* de Beaumont

Solierella antennalis de Beaumont, 1956a:206, ♂. Holotype: ♂, Libya: southern Tripolitania: Jebel Soda (BMNH). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

8. *antennata* Ducke

Solierella antennata Ducke, 1907b:91, ♀, ♂. Syntypes: Brazil: Maranhão State: Codo (depository?). – Ducke, 1908b:83 (Brazil: Ceará State: Serra de Baturité; Maranhão: Caxias), 1910:114 (Brazil: Ceará State); Menke, 1968b:312 (in list of South American *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Nascimento, 1979:13 (syntypes in Mus. Goeldi, Bélem); Nascimento and Overal, 1979:9 (in list of Hymenoptera described by Adolfo Ducke), 1980:10 (Brazil); Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*, as *antennata*); Roig, 1988:14 (Ducke's material in Bern Museum); Amarante, 2002:42 (in catalog of Neotropical Crabronidae).

9. *apache* R. Bohart

Solierella apache R. Bohart, 1991b:232, ♂. Holotype: ♂, Arizona: Pinal County: 4.5 mi. southeast of Apache (CAS). – R. Bohart, 1991b:231 (in key to North American *Solierella* of *inermis* group).

10. *araucana* Sielfeld

Solierella araucana Sielfeld, 1976:57, ♀. Holotype: ♀, Chile: Atacama: Potrerillos (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:42 (in catalog of Neotropical Crabronidae).

11. *arcuata* F. Williams

Solierella arcuata F. Williams, 1950:378, ♀, ♂. Holotype: ♀, USA: California: San Mateo County: Menlo Park (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:46 (California: Channel Islands); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: British Columbia: no specific locality).

12. *argentea* R. Bohart

Solierella argentea R. Bohart, 1991a:196, ♀, ♂. Holotype: ♀, USA, California: Riverside County: 18 mi. west of Blythe (UCD).

13. *aricensis* Sielfeld

Solierella aricensis Sielfeld, 1975:102, ♀, ♂. Holotype: ♂, Chile: Tarapacá: Azapa (W.H. Sielfeld coll.). – Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:42 (in catalog of Neotropical Crabronidae).

14. *atacamensis* Sielfeld

Solierella atacamensis Sielfeld, 1975:106, ♀, ♂. Holotype: ♂, Chile: Atacama: Potrerillos (W. H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (listed); Amarante, 2002:42 (in catalog of Neotropical Crabronidae, as *atacamensis*), 2005a:11 (correction to his 2002 catalog).

15. *atra* Reed

Solierella atra Reed, 1894:635, ♂. Holotype or syntypes: ♂, Chile: Quillota (depository?). – Kohl, 1897:452, footnote (as new synonym of *Solierella chilensis*); Dalla Torre, 1897:700 (in catalog of world Hymenoptera); Menke, 1968b:312 (in list of South American *Solierella*); Sielfeld, 1975:100 (in revision of Chilean *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae) 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:42 (in catalog of Neotropical Crabronidae).

16. *australis* F. Williams

Solierella australis F. Williams, 1950:379, ♀, ♂. Holotype: ♀, USA, California: Riverside County: Riverside (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); F. Williams, 1953:162 (southern California); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

17. *babaulti* de Beaumont

Solierella babaulti de Beaumont, 1956a:207, ♂. Holotype: ♂, Libya: northern Tripolitania: Gargaresh (BMNH). – de Beaumont, 1960b:247 (Libya), 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

18. *bactriana* Gussakovskij

Solierella bactriana Gussakovskij, 1930d:234, ♀. Holotype: Uzbekistan: Kumak (ZIN). – Gussakovskij, 1935:421 (Tajikistan: Kulab; Uzbekistan, Turkmenistan, Iran: Shahrud); de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Kazenas, 1978b:143 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov, 1986:528 (Uzbekistan: Tashkent Oblast); Kazenas, 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia); Mokrousov, Shlyakhtenok, and Grebennikov, 2016:27 (first record from Russia: Astrakhan' Oblast: Bogdo at 48.133°N 46.825°E and 48.219°N 46.983°E); Antropov, 2017b:241 (in catalog of Crabroninae of Russia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:67 (Iran: known from Semnan Province); Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:104 (comparison with *Solierella kermania* and *S. khafriensis*).

19. *bicolor* F. Williams

Solierella bicolor F. Williams, 1950:382, ♀. Holotype: ♀, USA: California: Riverside County: California (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:47 (California: Channel Islands).

20. *blaisdelli* (Bridwell)

Silaon blaisdelli Bridwell, 1920g:401, ♀. Holotype: ♀, USA: California: San Diego County: San Diego (USNM). – F. Williams, 1950:374 (in revision of *Solierella* of California), 394 (nesting habits), 1953:160 (California); Krombein *in* Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); Evans, 1958c:123 (description of larva); F. Parker, 1962a:116 (parasite: *Lomachaeta variegata* Mickell, a mutillid); F. Parker and R. Bohart, 1966:95 (Nevada: Verdi; parasite: *Lomachaeta variegata* Mickell, a mutillid); R. Bohart and Brumley, 1967:232 (parasites: *Hedychridium carrilloi* R. Bohart and Brumley and *H. solierellae* Bohart and Brumley, Chrysididae); Carrillo, 1967:201 (pre-eclosion and post-eclosion larval phases); F. Parker and R. Bohart, 1968:3 (California: eight localities, Nevada: Reno, Geiger Grade, Patrick, Stillwater; parasites: *Hedychridium carrilloi* R. Bohart and Brumley and *H. solierellae* Bohart and Brumley, Chrysididae); Carrillo and Caltagirone, 1970:676 (nesting habits); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1635 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); S.

Frommer, 1988:95 (California: Riverside County: Deep Canyon); Pitts and Mansley, 2004:6 (nest parasite: mutillid *Lomachaeta argenta* Pitt and Mansley), 10 (nest parasite: mutillid *Lomachaeta cirrhomeris* Pitts and Mansley), 16 (nest parasite: *Lomachaeta hicksi* Mickel, a mutillid); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first records from Alaska and Canada: Alberta, British Columbia, and Northwest Territories: no specific locality). – ***As Solierella affinis blaisdelli***: Evans, 1964b:284 (new status, additional description of larva); Krombein, 1967b:177 (observed in artificial nests).

21. *boharti* F. Williams

Solierella boharti F. Williams, 1950:366, ♀. Holotype: ♀, USA: California: Mono County: Mammoth Lake (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

Solierella lasseni F. Williams, 1950:366, ♀, ♂. Holotype: ♀, USA: California: Lassen County: Summit Lake (CAS). Synonymized with *Solierella boharti* by F. Williams, 1953:157. – Krombein in Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera, synonymy recorded).

22. *boregensis* F. Williams

Solierella boregensis F. Williams, 1958:208, ♀, ♂. Holotype: ♀, USA: California: San Diego County: Borrego Springs (CAS). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera).

23. *bridwelli* F. Williams

Solierella bridwelli F. Williams, 1950:384, ♀, ♂. Holotype: ♀, USA: California: San Bernardino County: 10 mi. south of Adelante (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera).

24. *californica* F. Williams

Solierella californica F. Williams, 1950:387, ♀. Holotype: ♀, USA: California: Los Angeles County: Los Angeles (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera).

25. *canariensis* E. Saunders

Solierella canariensis E. Saunders, 1904a:201, ♂. Holotype: ♂, Canary Islands: Tenerife: Güimar (OXUM). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*), 1968a:269 (Canary Islands: Lanzarote, Fuertaventura, Gran Canaria, Tenerife, Gomera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Báez and Ortega, 1978:192 (Canary Islands); Wolf, 1980:73 (Canary Islands); Hohmann, La Roche, Ortega, and Barquín, 1993:230 (detailed locality records from Canary Islands).

forma *heterocera* de Beaumont

Solierella canariensis Saunders forma *heterocera* de Beaumont, 1968a:271, ♂. Holotype: ♂, Canary Islands: Tenerife: Los Cristianos (BMNH). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae; as *canariensis heterocera*); Hohmann, La Roche, Ortega, and Barquín, 1993:230 (Canary Islands).

26. *capparidis* Gussakovskij

Solierella capparidis Gussakovskij, 1928b:81, ♀, ♂. Syntypes: Uzbekistan: Khiva (ZIN). – Gussakovskij, 1930d:232 (Turkmenistan); de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Kazenas, 1978b:143, 144 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

27. *cautinensis* Sielfeld

Solierella cautinensis Sielfeld, 1980b:73, nomen nudum (Chile: Cautín: Temuco).

Solierella cautinensis Sielfeld, 1980c:85, ♀, ♂. Holotype: ♂, Chile: Cautín: Temuco (W.H. Sielfeld coll.). – Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:42 (in catalog of Neotropical Crabronidae).

28. *cerinusipetalis* Zhang and Li

Solierella cerinusipetalis Zhang and Li, 2007:231 and 234, ♂. Holotype: ♂, China: Nei Mongol: Ordos: Otog front banner (Yunnan Agricultural University).

29. *chilensis* Kohl

Solierella chilensis Kohl, 1892:213, ♀, ♂ (♂ = *Solierella miscophoides*). Syntypes: Chile: no specific locality (NHMW). – Dalla Torre, 1897:700 (in catalog of world Hymenoptera); Jaffuel and Piri6n, 1926:376 (Chile: valle de Marga Marga); Gazulla and Ruiz Pereira, 1929:300 (Chile: Hacienda de "Las Mercedes"); Menke, 1968b:312 (in list of South American *Solierella*); Sielfeld, 1975:100 (in revision of Chilean *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Nascimento and Overal, 1980:10 (Chile); Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Dollfuss, 1989:12 (type material in NHMW); Amarante, 2002:42 (in catalog of Neotropical Crabronidae); Chiappa, 2012:8 (Chile: Regi6n de Valpara6so: no specific locality).

30. *chivensis* Gussakovskij

Solierella chivensis Gussakovskij, 1928b:82, ♂. Syntypes: Uzbekistan: Khiva area (ZIN). – Gussakovskij, 1930d:233 (Uzbekistan and Turkmenistan; description of ♀); de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Kazenas, 1978b:143, 144 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

31. *cingulis* R. Bohart

Solierella cingulis R. Bohart, 1991b:234, ♀, ♂. Holotype: ♂, USA: Arizona: Cochise County: 5 mi. west of Portal (UCD). – R. Bohart, 1991b:231 (in key to North American *Solierella* of *inermis* group); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta and Saskatchewan: no specific locality).

32. *clypeata* F. Williams

Solierella clypeata F. Williams, 1950:376, ♀. Holotype: ♀, USA: California: Riverside County: Riverside (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); F. Williams, 1953:160 (California: San Gabriel Mountains); Krombein, 1961a:81 (visiting flowers of mat euphorbia, *Euphorbia albomarginata* (Torrey & A. Gray) Small); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:47 (California: Channel Islands; determination tentative); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

33. *compedita* (A. Costa)

Silaon compeditus A. Costa, 1867c:153, ♀ (authorship attributed to Piccioli by A. Costa and subsequent authors). Syntypes: Italy: Toscana: no specific locality and vicinity of Napoli (Napoli). – A. Costa, 1871b:82 (in revision of Italian Sphecidae), 1884b:33 (Italy: Sardegna: Laconi); Kohl, 1885a:210 (in revision of European Larrinae, as *Sylaon compeditus*); Fert6n, 1896a:271 (use of preexisting space for nesting, prey, egg, as *Sylaon compeditus*), 1896b:80 (nesting in ground, preying on lygaeids); Dalla Torre, 1897:700 (in catalog of world Hymenoptera); Mocs6ry, 1897:77 (Hungary); Fert6n, 1901a:106 (preying on Lygaeidae); Adlerz, 1904:137 (known prey: Lygaeidae); Antiga and Bofill, 1904:12 (Spain: Catalu6a Province); Mantero, 1905:73 (Italy: Toscana: Isola del Giglio, as *Sylaon compeditus*); Mantero, 1911:75 (Italy: Sardegna: Isola dell'Asinara); Fert6n, 1923:144 (nesting habits); Berland, 1925d:129 (in Sphecid Fauna of France), 1928b:178 (France: Charente-Inf6rieure: Pons); Grandi, 1934: 341 (Italy: Toscana: Maremma, as *Sylaon compeditus*); Giordani Soika, 1932c:22 (Italy: Lido di Venezia); E. Nielsen, 1933:290 (summary of nesting habits); Giner Mar6, 1934:134 (Spain; as *Sylaon compeditus*); Zavadil, 1934:187 (Slovakia; as

Sylaon compeditus); Guiglia, 1943d:93 (Albania: Scutari, as *Sylaon compeditus*), 1944a:148 (Cyprus: Limassol), 1944b:29 (Italy, original description copied); Dupuis, 1947:113 (list of known heteropteran prey); Guiglia, 1948c:202 (Italy: Sardinia: Cagliari, as *Sylaon compeditus*); Pittioni, 1950:26 (Cyprus, as *Sylaon compeditus*). – **As *Solierella compedita***: Kohl in Dalla Torre, 1897:700 (new generic assignment, in catalog of world Hymenoptera); Schmiedeknecht, 1907: 214 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:121 (in catalog of French Hymenoptera); Morice, 1911:131 (Algeria: Biskra); Maidl, 1922:73 (Croatia, as *compenditus*); Gussakovskij, 1928b:80 (in revision of Palearctic *Solierella*; Ukraine: Crimea: Karadag), 1930d:232 (additional morphological characters); Schmiedeknecht, 1930:676 (in keys to Hymenoptera of North and Central Europe); Giner Marí, 1934:134 (Spain); Giordani Soika, 1934:341 (nesting habits identical in *Solierella compedita* and *xambeui*), 342 (description of mature larva); Dusmet y Alonso, 1935:53 (Spain: Madrid: Río Alberche); Zavadil, Šusterka, and Bat'a, 1937:185 (in catalog of Sphecidae of Czechoslovakia); Balthasar, 1941a:105 (Czech Republic: Bzenecko area, as *compendita*); Guiglia, 1943b:93 (Albania); Giner Marí, 1943a:211 (in Sphecid Fauna of Spain, as *compenditus*); Šnoflak in Zavadil and Šnoflak, 1948:56 (in key to Sphecidae of Czechoslovakia, as *compendita*); Ceballos, 1949:101 (Spain, as *compenditus*); de Andrade, 1950:6 (Portugal); de Beaumont, 1950b:70 (first record from Switzerland); Pittioni, 1950:26 (Cyprus); Nouvel and Ribaut, 1953:179 (France: Haute-Garonne: Saint-Béat); de Beaumont, 1954a:63 (Italy), 1954e:92 (Italy); Grandi, 1954:240 (Italy); Vogrin, 1955:40 (Yugoslavia, as *compendita*); Ceballos, 1956:391 (in catalog of Hymenoptera of Spain, as *compenditus*); Bajári, 1957a:58 (in key to Hungarian Sphecidae); de Beaumont, 1957a:145 (Morocco; diagnostic characters); Evans, 1958c:125 (larval description of Giordani Soika, 1934); Nouvel and Ribaut, 1958:14 (France: Pyrénées-Orientales: Banyuls-sur-Mer); Pulawski, 1958a:185 (Bulgaria: Kniazhevo near Sofia); Diniz, 1959:31 (Portugal: five localities); Grandi, 1959b:280 (nesting habits), 287 (Italy: Bologna); Noskiewicz and Puławski, 1960:119 (in key to Polish Sphecidae, not yet found in Poland); Grandi, 1961:209 (nesting habits), 1962:96 (Italy); de Beaumont, 1964b:55 (in revision of Mediterranean *Solierella*), 57 (as *compendita compedita*), 1964c:80 (in Sphecid Fauna of Switzerland); Diniz, 1964a:2 (Portugal: five localities); de Beaumont, 1965a:55 (Greece); Scobiola-Palade, 1965:108 (first record from Romania: Sibiu); de Beaumont, 1967a:336 (Turkey); Scobiola Palade, 1967b:43 (Romania); de Beaumont, 1968a:271 (Canary Islands: Fuerteventura), 1969:92 (Turkey); Suárez, 1969:32 (Spain: Almería Province); Oehlke, 1970:721 (not recorded from Democratic Germany); Stritt, 1971b:155 (first record from Germany: Baden-Württemberg: Karlsruhe area); Balthasar, 1972:219 (in Sphecid Fauna of Czechoslovakia, as *compendita*); de Beaumont, Bytinski-Salz and Pulawski, 1973:19 (Israel); Erlandsson, 1974:75 (Italy, Malta, Spain); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Georgiou, 1977:192 (Cyprus); Janvier, 1977:233-247 (nesting habits, description of larva); Kazenas, 1978b:143, 144 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:227 (in key to Sphecidae of European part of USSR); Benedek, 1979:231 (Hungary: Bakony Hills); Pagliano, 1980:128 (Italy: Lazio); Schmidt, 1981:188 (Germany: Baden-Württemberg); Gayubo, 1982a:111 (northern Spain: Sierra de Béjar), 1982f:255 (Spain: Cádiz Province); Dollfuss, 1983a:77 (endangered in Burgenland, Austria), 1983b:11 (in catalog of Sphecidae of Austria); Gayubo, 1984b:87 (Spain: Salamanca Province), 1984c:368 (Portugal: El Algarve Province); Westrich and Schmidt, 1985b:112 (Germany: endangered in Baden-Württemberg); Gayubo, 1986c:34 (Spain: Zamora Province); Gayubo and Sanza, 1986:51 (Spain: Burgos, Segovia); Dollfuss, 1987:21 (Austria); Gayubo, 1987a:115 (Spain: Ciudad Real Province); Dollfuss, 1988:12, 24 (Austria: Bisamberg near Vienna; Niederösterreich: Oberweiden); Gayubo and Mingo, 1988:84 (Spain); Karsai, 1988:100 (Hungary: Kiskunság National Park); Pádr in Šedivý, 1989a:168 (in checklist of Czechoslovakian Sphecidae, as *compendita*); Gayubo, Asís, and Tormos, 1990a:19 (Spain); Jacobs and Oehlke, 1990b:167 (unknown from Democratic Germany); Pagliano, 1990:108 (in catalogue of Italian Sphecidae); Day, 1991:xix (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:114 (in key to Sphecidae of North and Central Europe); Gayubo and Torres, 1991:Table I (Spain: Salamanca; effects of urban pressure); Guichard, 1991a:340 (Jordan); Gusenleitner, 1991:646 (Austria: Burgenland, Oberösterreich); Negrisolo, 1991:319 (Italy: Monfalcone Province); Schembri, 1991:181 (Malta); Torregrosa, Gayubo, Tormos, and Asís, 1993:19 (Spain: Alicante Province); Dollfuss, 1994:101 (endangered in Austria); Schmid-Egger, 1994a:688 and 694 (Germany: Rheinland-Pfalz: Höllenberg near Grünstadt); Tormos, Asís, and Gayubo, 1994:188, 209 (Spain: Albacete Province); Gusenleitner, 1995:162 (Austria: Burgenland, Steiermark); Józán, 1995:105 (Hungary: projected Duna-Dráva National Park); Negrisolo in Minelli, Ruffo, and La Posta, 1995b:10 (in catalog of Italian fauna); Schmid-Egger, Risch, and Niehuis, 1995:208 (Germany: summary of records from Rheinland-Pfalz); Voith, 1995:47 (Germany: Bayern: Maintal near Retzbach); Gusenleitner, 1996a:8

(Austria: Burgenland); Schmid-Egger, Schmidt, and Doczkal, 1996:378 (Germany: Baden-Württemberg: endangered); Celary, 1997:58 (in checklist of Animals of Poland); Schmidt and Schmid-Egger, 1997:28 (in checklist of German Sphecidae); Dollfuss, Gusenleitner, and Bregant, 1998:515 (Austria: summary of localities from Burgenland); Generani, Pagliano, Scaramozzino, and Strumia, 1999:80 (Italy: Toscana: Isola di Montecristo); Gusenleitner, 1998:498 (Austria: Niederösterreich: Großharras); González, Gayubo, and Torres, 1998:72, 73 (Spain: Valladolid Province); Wiśniowski and Kowalczyk, 1998:221 (first record from Poland: Mazovian Lowland: Bolimowski Park Krajobrazowy: Grabie); Gayubo, García, Torres, and González, 1999:90 (Spain: Soria Province); González, Gayubo, and Torres, 1999:355 (Spain: Valladolid: Viana de Cega); Blösch, 2000:239 (in Sphecidae Fauna of Germany); Canovai et al., 2000:78 (Italy: Toscana: Isola di Montecristo); Gayubo, González, and Torres, 2000:186 (Spain: Salamanca Province); Józán, 2000:108 (Hungary: Bakony Mountains); Schmid-Egger, 2000b:276, 280 (Germany: Baden-Württemberg: shores of Rhine River); Vicidomini, 2000b:27 (Italy: previously recorded from Campania); Zettel, 2000:27 (Austria: Wien); Józán, 2001:279 (Hungary: Somogy County); Ljubomirov, 2001b:49 (Bulgaria: Mount Vitosha near Sofia); Ohl et al., 2001:141 (distribution in Germany by provinces); Schmid-Egger and Bitsch in Bitsch et al., 2001:297 (in Sphecidae Fauna of Western Europe); Szczepko and Kowalczyk, 2001:188 (Poland: Kampinos National Park near Warszawa); Zettel, Gross, and Mazzucco, 2001:72 (Austria: Wien); Kowalczyk, Szczepko, and Świątek, 2002:153 (Poland: Kampinos National Park near Warszawa); Kazenas, 2002a:81 (geographic distribution, collecting localities in Kazakhstan); Generani, Pagliano, Scaramozzino, and Strumia, 2003:66 (Italy: Arcipelago Toscano); Nieves-Aldrey, Fontal-Cazalla, Garrido-Torres, and Rey del Castillo, 2003:42 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Pagliano, 2003b:130 (Italy: Island of Lampedusa); Schmid-Egger, 2003:757 (Italy: Sicilia: Amenta, Castelammare, Madonie, Ragusa); Wickl, Voith, Mandery, Weber, Kraus, Bausenwein, and Blösch, 2003:197 (Germany: Bayern: probably endangered); Gayubo et al. 2004:131 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Gayubo, Nieves-Aldrey, González, Tormos, Rey del Castillo, and Asís, 2004:108 (Spain: Madrid: Monte de El Pardo); Georgiev et al., 2004:239 (nesting in old galleries of cerambycid *Saperda populnea* (L.) in Bulgaria); Shkuratov, 2004a:77 (Ukraine: Lugansk Oblast' and Russia: Rostov Oblast'); Skibińska in Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:357 (in catalog of Polish Crabronidae); Szczepko and Kowalczyk, 2004:126 (Poland: Kampinos National Park near Warszawa); Wiśniowski, 2004:44 and 60 (in checklist of Polish Sphecidae); Cruz-Sánchez, Gayubo, González, and Torres, 2005:220 (Spain: Salamanca: San Martín del Castañar); Jacobs, 2005a:450 (Bulgaria: Krasново near Hissarya); Pagliano and Negrisolo, 2005:404 (in Sphecidae Fauna of Italy); Reder, 2005:953 (Germany: Rheinland-Pfalz: Eisenberg, Flörsheim-Dalsheim, Monsheim, Worms); Shorenko, 2005a:164 (Ukraine: Crimea), 2005b:99 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:402 (endangered in Czech Republic); Ljubomirov, 2006:543 (Bulgaria: Rhodope Mountains: Vutcha River valley, as *compedita compedita*); Magdalou, 2006a:7, 10 (France: Pyrénées-Orientales: Réserve Naturelle de la Massane); Saure, 2006:134 (Germany: Berlin); Standfuss and Standfuss, 2006b:97 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Baños-Picón, Gayubo, Asís, and González, 2007:259 (Spain: Zamora: Cabañas de Aliste); Jacobs, 2007:102 (in key to Crabronidae of Germany); Józán, 2007:174, 179 (Hungary: Zselic hills); Kowalczyk and Nadolski, 2007:284 (Łódź: railway areas); Roche, 2007a:98 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae, as *compedita compedita*, determination tentative); Saure, 2007:83 (Germany: in checklist of Aculeata of Land Brandenburg); G. Turrisi and R. Turrisi, 2007:122 (Italy: Sicilia: Mount Etna: Botanical Garden Nuova Gussonea and vicinity); Vepřek and Straka, 2007:203 (in catalog of Sphecidae of Czech Republic and Slovakia); Dvořák, Bogusch, Malenovský, Bezděčka, Bezděčková, Holý, Liška, Macek, Roller, Říha, Smetana, Straka, and Šima, 2008:67 (Czech Republic: Hády Hill near Brno); Gayubo, González, Tormos, and Asís, 2008:138 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Ljubomirov and Yildirim, 2008:235 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:312 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:363 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:624 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Guéorguiev and Ljubomirov, 2009:264 (Bulgaria: Maleshevska Planina); Pagliano, 2009:185 (Italy: recorded from Trentino-Alto Adige by Kohl, 1880); Shorenko, 2009:367 (in list of Sphecidae s.l. of Crimea); Burguet in Durand and Burguet, 2010:53 (France Département d'Ardèche: Ardèche Gorges); Mokrousov, 2010a:62

(Russia: Nizhniy Novgorod Oblast': no specific localities), 2010b:100 (Russia: Nizhniy Novgorod Oblast': no specific localities); Schmid-Egger, 2010a:19 (in red list of Aculeata of Germany: rare); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:499 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Józán, 2011:180 (in checklist of Sphecidae s.l. of Hungary); Schmid-Egger, 2011a:39 (France: Parc National du Mercantour: Isola, La Brigue, Millefontes; and Italy: Parco delle Alpi Marittime: San Lorenzo, Valle Maira: Macra); Tischendorf, Frommer, Flügel et al., 2011:171 (Germany: first record from Hessen: south and north of river Main, not endangered); Boillat, 2012:227 (Switzerland: in checklist of insects of Canton de Genève); Strumia, Pagliano, and Gayubo, 2012:57 (Italy: Toscana: Riserva di San Rossore); Vieira, Oliveira, Brewster, and Gayubo, 2013:18 (Portugal: Douro International Natural Park and Serras de Aire e Candeeiros Natural Park); Baldock, 2014:356 (Spain: Island of Mallorca); Bitsch, 2014:404 (records from France by Schmid-Egger, 2011a and by Burguet, 2010 reported); U. Frommer, 2014:28 (Germany: Hessen: Lorch); Yıldırım, Ljubomirov, and Lelej, 2014:13 (distribution in Turkey by biogeographic provinces); nec Atbaei, Fallahzadeh, and Ljubomirov, 2015:21 (= *Solierella insidiosa*); Koçak and Kemal, 2015:150 (in checklist of Hymenoptera of Turkey); P. Rosa and Pagliano, 2015:105 (Italy: Lombardia and Piemonte: Parco del Ticino); Shorenko, 2015:327 (in list of Sphecidae *sensu lato* of Crimea); Le Divelec, Chapelin-Viscardi, and Larivière, 2016:109 (northern France: in agricultural landscapes); Mokrousov and Popov, 2016:583 (Russia: Krasnodarskiy Kray); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Saure, 1916c:205 (Germany: center of Berlin: Großer Tiergarten Park); Schmid-Egger, Dandria, and Xuereb, 2016:80 (in checklist of Crabronidae of Maltese Islands); Antropov, 2017b:241 (in catalog of Crabroninae of Russia); Di Giovanni, Mei, and Cerretti, 2017:73 (Italy: Lombardia: Riserva Naturale Bosco della Fontana 5 km from Mantova at 45°12'N 10°44'E, found in canopy); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:68 (Iran: known from Fars Province); Magdalou, 2017:16 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Forêt de la Massane); Martynova, 2017:397 (Ukraine: Mariupol and Nature Reserve Kam'yani Mohyly; nest parasites: *Chrysis lanceolata* Linsenmaier and *Hedychridium monochroum* du Buysson, Chrysididae); Shorenko, 2017:77 (in Crimea collected in June and July); Twerd, Krzyżyński, Waldon-Rudzionek, and Olszewski, 2017:7 (Poland: Inowrocław and Janikowo: nesting in postindustrial soda ash dumping sites); nec Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:30 (= *Solierella insidiosa*); Lett, 2018:203 (France: Loir-et-Cher: Gièvres at 47°16'39"N 1°41'52"E); Shorenko, 2018:128 (Crimea, including localities, habitats, and number of specimens); Carminati, Mora, and Cretin, 2019:19 (France: in list of Sphecidae *sensu lato* of Franche-Comté); S. Ivanov, Fateryga, and Zhidkov, 2019:75 (Crimea: reared from trap nests); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:16 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2019a:271 (Iran: Fars: eight localities); U. Frommer, 2020:148 (Germany: Hessen: River Lahn area); Kejval, Blažej, and Erhart, 2020:106 (western Czech Republic); Shorenko, 2020:52 (Crimea: Karadag Nature Reserve); Turrissi, Altadonna, Lo Cascio, Nobile, and Selis, 2020:730 (Italy: Aeolian Archipelago: islands of Panarea and Lipari); Cross, Baldock, and Wood, 2021:51 (in catalog of Sphecidae *sensu lato* of Portugal); Fallahzadeh, and Sadeghi, 2021:103, 104 (in key to *Solierella* of Iran, previous records from Iran are misidentifications of *Solierella insidiosa*); Kaplan and Yildirim, 2021:71 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:100 (in commented list of Sphecidae *sensu lato* of Poland); Schmid-Egger and Bitsch in Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:318 (in revision of Sphecidae *sensu lato* of Europe); Kaplan and Yildirim, 2023:1686 (in checklist of Sphecidae *sensu lato* of Turkey).

Silaon compeditus Piccioli, 1869b:283, ♀. Syntypes: ♀, Italy: Fiesole near Firenze (depository?). Synonymized with *Silaon compeditus* A. Costa by A. Costa, 1871b:82.

Ammosphecidium helleri Kohl, 1877:701, ♀, ♂ (as *Helleri*, incorrect original capitalization). Syntypes: Italy: Alto Adige: Gries near Bozen, now Bolzano; and Austria: Klobenstein am Riten (NHMW). Synonymized with *Solierella compedita* by Kohl in Dalla Torre, 1897:700. – Kohl, 1880:177 (Italy: Trentino–Alto Adige: Bolzano area).

Sylaon xambeui Er. André, 1896:10, ♀ (as *Xambeui*, incorrect original capitalization). Syntypes: France: Pyrénées-Orientales: Ria near Prades (MNHN). Synonymized with *Solierella compedita* by de Beaumont, 1964b:55. – Xambeu, 1896:79 (description of larva); Ferton, 1901a:101 (nesting in twigs); Antiga and Bofill, 1904:13 (Spain: Cataluña Province); de Gaulle, 1908:121 (in catalog of French Hymenoptera); Ferton, 1910:156 (nesting in twigs), 1923:145 (nesting in twigs); Berland, 1925d:129 (in Sphecid Fauna of France); Giordani Soika, 1932b:128 (Italy: Lido di Venezia); E. Nielsen, 1933:290 (summary of nesting

habits); Micheli, 1937:285 (nesting habits, description of larva); Giner Marí, 1943a:211 (in Sphecidae Fauna of Spain); Ceballos, 1956:391 (in catalog of Hymenoptera of Spain); Evans, 1958c:125 (discussion of larval description of Micheli, 1937).

ssp. *cretica* de Beaumont

Solierella compedita cretica de Beaumont, 1964b:59, ♀, ♂. Holotype: ♂, Greece: Island of Crete: Knossos (Lausanne). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Dollfuss, 1989:12 (paratype in NHMW).

ssp. *cyprica* de Beaumont

Solierella compedita cyprica de Beaumont, 1964b:59, ♀, ♂. Holotype: ♂, Cyprus: Yermasoyia River (Lausanne). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

34. *coquimbensis* Sielfeld

Solierella coquimbensis Sielfeld, 1975:103, ♀, ♂. Holotype: ♂, Chile: Coquimbo: Los Vilos (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:42 (in catalog of Neotropical Crabronidae).

35. *corizi* F. Williams

Solierella corizi F. Williams, 1950:372, ♀, ♂. Holotype: ♀, USA: California: San Mateo County: Menlo Park (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:942 (in catalog of North American Hymenoptera); F. Williams, 1950:392 (nesting habits), 1953:160 (California); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: Texas); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group).

36. *costaricae* R. Bohart

Solierella costaricae R. Bohart, 1991b:234, ♀, ♂. Holotype: ♂, Costa Rica: Guanacaste Province: Río Corbici near las Cañas (UCD). – R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group); Hanson and Menke, 1995:639 (known from Costa Rica); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

37. *dentata* Sielfeld

Solierella dentata Sielfeld, 1975:105, ♀. Holotype: ♀, Chile: Valparaíso (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

38. *dispar* Pulawski

Solierella dispar Pulawski, 1964:139, ♀, ♂. Holotype: ♀, Egypt: Abu Rawash (originally W.J. Pulawski coll., now CAS). – de Beaumont, 1968a:271 (Canary Island: Fuerteventura: Corralejos). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Báez and Ortega, 1978:192 (Canary Islands); Guichard, 1991a:340 (Jordan); Hohmann, La Roche, Ortega, and Barquín, 1993:231 (detailed locality records from Canary Islands); Smit, 2007:653 (Canary Islands: first record from Lanzarote: near San Bartholomé); Roche, 2007a:99 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:582 (in key to *Solierella* of United Arab Emirates; first record from United Arab Emirates: north of Ajman, Dubai/Nakhalai, Wadi Shawkah), 583 (color photographs of male and female), 2014:607 (United Arab Emirates); Gadallah, 2020b:48 (in list of aculeate wasps of Arabian Peninsula).

39. *farsica* Schmid-Egger

As *Solierella verhoeffi*: Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2018: ... (...).

Solierella farsica Schmid-Egger in Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:105, ♀. Holotype: ♀, Iran: Fars Province: Kherameh: Dodej at 29°34'23"N 52°59'42"E (Zoologische Staatssammlung München, Germany). – Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:103 (in key to *Solierella* of Iran). Iran: Fars Province: Kherameh: Dodej at 29°34'23"N 52°59'42"E (Zoologische Staatssammlung München, Germany).

40. *flagellata* R. Bohart

Solierella flagellata R. Bohart, 1991a:194, ♀, ♂. Holotype: ♂, USA: California: San Diego County: Borrego Valley (UCD).

41. *flavicornis* Gussakovskij

Solierella flavicornis Gussakovskij, 1928b:83, ♀, ♂. Syntypes: Uzbekistan: Khiva area (ZIN). – Gussakovskij, 1930d:235 (Turkmenistan: Farab); de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Kazenas, 1978b:143, 144 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

42. *fossor* (Rohwer)

Niteliopsis fossor Rohwer, 1909a:116, ♀, ♂. Syntypes: USA: Boulder County: Boulder, and Garfield County: Rifle (USNM). – **As *Solierella fossor***: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); Radović, 1985:65 (sting apparatus analyzed).

43. *foxii* (Viereck)

Plenoculus foxii Viereck, 1902:73, ♀, ♂. Holotype: ♀, USA: New Jersey: Gloucester County: North Woodbury (ANSP). – Cresson, 1928:44 (holotype in ANSP). – **As *Solierella foxi***: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group).

44. *fritzi* Sielfeld

Solierella fritzi Sielfeld, 1975:101, ♂. Holotype: ♂, Chile: Tarapacá: Puquios (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

45. *fuegiana* Sielfeld

Solierella fuegiana Sielfeld, 1980b:73, nomen nudum (in checklist of Chilean Sphecidae).

Solierella fuegiana Sielfeld, 1980c:87, ♂. Holotype: ♂, Chile: Tierra del Fuego: Punta Espora (Instituto de la Patagonia, Punta Arenas). – Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

46. *fusciventris* Gussakovskij

Solierella fusciventris Gussakovskij, 1930d:234, ♀. Syntypes: Turkmenistan: Anau 10 km east of Ashgabat (ZIN). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Kazenas, 1978b:143 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

47. *garridoi* Genaro

Solierella garridoi Genaro, 2021:2, ♀, ♂. Holotype: ♀, Dominican Republic: Pedernales: Los Arroyos (USNM). – Genaro, 2021:4 (in key to *Solierella* of Antilles)

48. *graeca* Schmid-Egger and Arens

Solierella graeca Schmid-Egger and Arens, 2017:937, ♂. Holotype: ♂, Greece: Peloponnissos: Kotili: Oros Likeo (ZSBS). – Schmid-Egger and Bitsch in Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:319 (in revision of Sphecidae *sensu lato* of Europe)

49. *guichardi* de Beaumont

Solierella guichardi de Beaumont, 1956a:205, ♂. Holotype: ♂, Libya: northern Tripolitania: Gargaresc (BMNH). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

50. gussakovskiji Menke

Solierella affinis Gussakovskij, 1928b:84, ♂, junior secondary homonym of *Solierella affinis* (Rohwer, 1909). Holotype: ♂, Uzbekistan: Khiva area (ZIN). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); Kazenas, 1978b:144 (in key to Sphecidae of Kazakhstan and Central Asia).

Solierella gussakovskiji Menke in R. Bohart and Menke, 1976:313. Substitute name for *Solierella affinis* Gussakovskij. – 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

51. hooki R. Bohart

Solierella hooki R. Bohart, 1991b:235, ♀, ♂. Holotype: ♂, USA: Texas: Travis County: Austin (UCD). – R. Bohart, 1991b:231 (in key to North American *Solierella* of *inermis* group); Hook, 1998:250 (additional records from Texas).

52. inermis (Cresson)

Nysson ? *inermis* Cresson, 1873:224, ♀. Holotype: ♀, USA: Texas: Bosque County: no specific locality (USNM). – Cresson, 1887:280 (in catalog of North American Hymenoptera); Handlirsch, 1887:297 (original description translated into German); Dalla Torre, 1897:570 (in catalog of world Hymenoptera); Cresson, 1916:98 (holotype in USNM); Maidl and Klima, 1939:136 (in catalog of world Astatinae and Bembicinae). – *As Niteliopsis inermis*: Ashmead, 1898:189 (new generic assignment, type in USNM), 1899d:251 (in checklist of North American Crabronidae); Rohwer, 1909a:110 (description of ♂); F. Williams, 1914a:178 (in revision of Larrinae of Kansas, as *inermis*), 208 (nesting habits). – *As Solierella inermis*: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); Krombein and Evans, 1954:232 (Florida: Arcadia), 1955:231 (Florida: Arcadia); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: Florida), 1959e:199 (USA: North Carolina: Kill Devil Hills); F. Williams, 1953:160 (Texas: Llana County); Kurczewski, 1967a:203 (nesting habits); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); L. Davis, 1978:217 (North Carolina: Kill Devil Hills, data from Krombein, 1959e); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group); Ahlstrom, 1995:109 (in checklist of insects of North Carolina); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta and Saskatchewan: no specific locality).

53. insidiosa de Beaumont

Solierella insidiosa de Beaumont, 1964b:59, ♀, ♂. Holotype: ♂, Syria: Ain Hodra near Damascus (originally A. Mochi coll., now Torino). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Schmid-Egger and Bitsch in Bitsch et al., 2001:298 (in Sphecid Fauna of Western Europe: first records from Spain); Schmid-Egger, 2011b:582 (in key to *Solierella* of United Arab Emirates), 584 (first record from United Arab Emirates: Wadi Madaq), 2014:608 (United Arab Emirates); Gadallah, 2020b:48 (in list of aculeate wasps of Arabian Peninsula); Cross, Baldock, and Wood, 2021:51 (in catalog of Sphecidae *sensu lato* of Portugal); Ben Khedher, Yildirim, and Braham, 2021a:60 (first record from Tunisia: Tataouine: Ghomrasen, Ghordhab at 33°5'6.4"N 10°29'46.2"E); Schmid-Egger and Bitsch in Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:320 (in revision of Sphecidae *sensu lato* of Europe); Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:103, 104 (in key to *Solierella* of Iran), 106 (recognition characters, distribution); Abu el-Ghiet, Gadallah, Gasib, Al-Fifi, and Edmardash, 2023:166 (Saudi Arabia: Farasan Island); Gadallah and Abu El-Ghiet, 2024:87 (Saudi Arabia: Jazan Province: Abu Arish, Farasan).

As *Solierella compedita* (corrected to *Solierella insidiosa* by Schmid-Egger, Fallahzadeh, and Smadeghi, 2021:104): Atbaei, Fallahzadeh, and Ljubomirov, 2015:21 (as first record of *Solierella compedita* from Iran: Fars Province, morphological and chromatic variation); Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:30 (Iran: Hormozgan: Band e Molla at 27°25'N 57°09'E and Sar Kahn at 27°24'N 57°07'E); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2018:... (...).

54. intermedia Sielfeld

Solierella intermedia Sielfeld, 1975:105, ♀. Holotype: ♀, Chile: Los Andes: Río Colorado (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

55. *iresinides* (Rohwer)

Silaon iresinides Rohwer, 1914:517, ♂. Holotype: ♂, Guatemala: Gualan (USNM). – **As *Solierella iresinides***: R. Bohart and Menke, 1976:313 (new generic assignment, in checklist of world Sphecidae). – R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

56. *jacobsi* Schmid-Egger

Solierella jacobsi Schmid-Egger, 2011b:584, ♀, ♂. Holotype: ♂, United Arab Emirates: Wadi Madaq (ZMHU). – Schmid-Egger, 2011b:582 (in key to *Solierella* of United Arab Emirates), 585 (color photographs of male and female), 2014:608 (United Arab Emirates); Gadallah, 2020b:48 (in list of aculeate wasps of Arabian Peninsula).

57. *jaffueli* (Herbst)

Lautara jaffueli Herbst, 1920:219, ♀, ♂. Syntypes: Chile: several localities (P. Herbst coll.). – Jaffuel and Piri6n, 1926:376 (Chile: valle de Marga Marga). – **As *Solierella jaffueli***: Menke, 1968b:312 (new generic assignment, in list of South American *Solierella*); Sielfeld, 1975:97 (in revision of Chilean *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae); Chiappa, 2012:8 (Chile: Regi6n de Valpara6so: no specific locality).

58. *jaliscana* R. Bohart

Solierella jaliscana R. Bohart, 1991b:236, ♀, ♂. Holotype: ♂, Mexico: Jalisco: Ixtlahuac6n (UCD). – R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group).

59. *kermania* Schmid-Egger

Solierella kermania Schmid-Egger in Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:108, ♀. Holotype: ♀, Iran: Kerman Province: 36 km north of Kerman at 30.660°N 56.972°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger, Fallahzdeh, and Sadeghi, 2021:103 (in key to *Solierella* of Iran).

60. *khafriensis* Schmid-Egger

Solierella khafriensis Schmid-Egger in Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:108, ♀. Holotype: ♀, Iran: Fars Province: Khafr at 28.97°N 53.20°E (Zoologische Staatssammlung M6nchen, Germany). – Schmid-Egger, Fallahzdeh, and Sadeghi, 2021:103 (in key to *Solierella* of Iran).

61. *lagunensis* (F. Williams)

Silaon lagunensis F. Williams, 1928a:94, ♀. Holotype: ♀, Philippines: Luzon: Los Ba6os (Bishop Mus.). – **As *Solierella lagunensis***: Baltazar, 1966:327 (new generic assignment, in catalog of Hymenoptera of Philippines); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

62. *lateris* R. Bohart

Solierella lateris R. Bohart, 1991a:194, ♀. Holotype: ♀, Mexico: Yucatan: Chichen Itza (MCZ). – Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

63. *levis* F. Williams

Solierella levis F. Williams, 1950:383, ♀. Holotype: ♀, USA: California: Alameda County: Emeryville (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Buck, 2004:25 (Canada: in checklist of Crabronidae of Ontario), 30 (distribution within Ontario), 48 (first record from Canada: Ontario: Forks of the Credit, Leamington); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario and Saskatchewan, first records from Alberta and British Columbia: no specific locality).

64. *longicornis* Pulawski

Solierella longicornis Pulawski, 1964:134, ♂. Holotype: ♂, Egypt: Kom Osheim in Fayum Province (originally W.J. Pulawski coll., now CAS). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Roche, 2007a:99 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:582 (in key to *Solierella* of United Arab Emirates), 586 (first record from United Arab Emirates: north of Ajman, Dubai/Nakhalai, near Qurayah/Khor Fakkan, Wadi Bih, Wadi Shawkah), 587 (color photographs of male), 2014:608 (United Arab Emirates); Gadallah, 2020b:48 (in list of aculeate wasps of Arabian Peninsula).

65. *loxa* R. Bohart

Solierella loxa R. Bohart, 1991b:237, ♀, ♂. Holotype: ♂, USA: New Mexico: Hidalgo County: 18 mi. north of Rodeo (UCD). Paratypes: Arizona, California, Idaho, Nevada, Texas, Utah: Mexico: Baja California (Norte and Sur), Chihuahua, Hidalgo, Tamaulipas, Zacatecas. – R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group).

66. *lucida* (Rohwer)

Niteliopsis lucida Rohwer, 1909a:111, ♂ (spelled *lucidus* on p. 109 and *licidis* on p. 111). Syntypes: ♂, USA: Colorado: Boulder County: Boulder (USNM). – **As *Solierella lucida***: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera);.

67. *madagascariensis* Arnold

Solierella madagascariensis Arnold, 1945:139, ♀, ♂. Syntypes: Madagascar: Bekily (MNHN). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Lomholdt, 1985:54 (in revision of southern African Miscophini); Leclercq, 1990b:117 (Madagascar); Hancock, Chahwanda, and Mhlanga, 1995:39 (paratypes in Bulawayo Museum); Pulawski, 2003b:797 (in checklist of Malagasy Sphecidae); Madl, 2014a:978 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records).

68. *major* (Rohwer)

Silaon major Rohwer, 1917a:247, ♀. Holotype: ♀, USA: Washington: Yakima County: North Yakima (USNM). – **As *Solierella major***: F. Williams, 1950:368 (new generic assignment, in revision of *Solierella* of California); Krombein in Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); F. Williams, 1953:158 (redescription of ♀; California: Los Angeles County); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: California); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

69. *mammillata* Buck

Niteliopsis foxii Viereck, 1906:207, sex not stated, junior secondary homonym of *Solierella foxii* (Viereck, 1902). Holotype: sex?, USA: Kansas: Hamilton County: no specific locality (Kansas Univ.). – F. Williams, 1914a:177 (in revision of Larrinae of Kansas); LaBerge, 1956:526 (holotype in Snow Entomological Museum); Krombein in Muesebeck, Krombein, and Townes, 1951:943 (as new synonym of *Solierella fossor*). – **As *Plenoculus foxi* [sic]**: J. Smith, 1910:684 (new generic assignment, in new list of insects of New Jersey: Woodbury). – **As *Solierella foxi* [sic]**: Strickland, 1947:129 (new generic assignment, Canada: Alberta: Medicine Hat).

Solierella mammillata Buck in Buck and Bennett, 2025:287. Substitute name for *Solierella foxii* (Viereck, 1906), a junior secondary homonym of *Solierella foxii* (Viereck, 1902). – Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta and Saskatchewan: no specific locality), 287 (resurrected from synonymy with *Solierella fossor*, diagnostic characters).

70. *mandibularis* de Beaumont

Solierella mandibularis de Beaumont, 1957a:147, ♂. Holotype: ♂, Morocco: Tiznit: Sidi Moussa (Lausanne). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

71. *masoni* F. Williams

Solierella masoni F. Williams, 1959a:74, ♀, ♂. Holotype: ♀, California: Riverside County: Thousand Palms (CNC). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); Sarazin, 1986:307 (holotype in CNC).

72. *menkei* R. Bohart

Solierella menkei R. Bohart, 1991b:237, ♀, ♂. Holotype: ♂, USA: New Mexico: Hidalgo County: 18 mi. north of Rodeo (UCD). – R. Bohart, 1991b:230 (in key to North American *Solierella* of *inermis* group); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

73. *mexicana* (Rohwer)

Silaon mexicanus Rohwer, 1911b:587, ♂. Holotype: ♂: Mexico: Jicoltepec: San Rafael (USNM). – As *Solierella mexicana*: R. Bohart and Menke, 1976:313 (new generic assignment, in checklist of world Sphecidae); R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group); Amarante, 2002:43 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:665 (in checklist of Mexican Sphecidae).

74. *minarum* Ducke

Solierella minarum Ducke, 1907b:93, ♀, ♂. Syntypes: Brazil: Minas Gerais: Barbacena (depository?). – Menke, 1968b:312 (in list of South American *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Nascimento and Overal, 1979:9 (in list of Hymenoptera described by Adolfo Ducke), 1980:10 (Brazil); Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

75. *mirifica* Pate

Solierella mirifica Pate, 1934:243, ♂ (as *mirificus*, incorrect original termination). Holotype: ♂, USA: Arizona: Pima County: 30 mi. east of Quijota (Cornell Univ.). – Krombein in Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); F. Williams, 1962b (description of ♀); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon); R. Bohart, 1991b:231 (in key to North American *Solierella* of *inermis* group).

76. *miscophoides* Spinola

Solierella miscophoides Spinola, 1851a:352, ♀. Holotype or syntypes: Chile: no specific locality (Torino). – F. Smith, 1856:312 (in catalog of Hymenoptera in British Museum); Reed, 1894:635 (in revision of Chilean aculeates); Jaffuel and Piri6n, 1926:376 (Chile: valle de Marga Marga); Gazulla and Ruiz Pereira, 1929:300 (Chile: Hacienda de "Las Mercedes"); Menke, 1968b:312 (in list of South American *Solierella*); P6rez D'Angello, Rojas A., and Gaultier A., 1971:116 (wing venation and cells); Sielfeld, 1975:99 (in revision of Chilean *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Casolari and Casolari Moreno, 1980:114 (specimens in M. Spinola collection); Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae); Pagliano, 2011a:114 (holotype in coll. Spinola, Torino); Chiappa, 2012:8 (Chile: Regi6n de Valpara6so: no specific locality).

As *Solierella chilensis*: Kohl, 1892:213 (♂ only), corrected to *Solierella miscophoides* by Sielfeld, 1975:99.

Solierella spinolae Kohl, 1892:212, ♀ (as *Spinolae*, incorrect original capitalization). Holotype or syntypes: ♀, Chile: no specific locality. Synonymized with *Solierella miscophoides* by Menke, 1968b:312, by Sielfeld, 1975:99, and by Menke in R. Bohart and Menke, 1976:313. – Dalla Torre, 1897:700 (in catalog of world Hymenoptera); Dollfuss, 1989:12 (type material in NHMW).

77. *modesta* (Rohwer)

Niteliopsis modesta Rohwer, 1909a:116, ♂ (as *modestus*, incorrect original termination). Syntypes: USA: Colorado: Boulder County: Boulder (USNM). – As *Solierella modesta*: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera).

78. *napa* R. Bohart

Solierella napa R. Bohart, 1991b:238, ♂. Holotype: ♂, USA: California: Napa County: Samuel Springs, now bottom of Lake Beryessa (UCD). Paratype: Utah. – R. Bohart, 1991b:231 (in key to North American *Solierella* of *inermis* group).

79. *nigrans* Krombein

Niteliopsis nigra Rohwer, 1909a:115, ♀, ♂ (as *niger*, incorrect original termination), junior secondary homonym of *Solierella nigra* (Ashmead, 1899). Syntypes: USA, Colorado: Boulder and Florissant (USNM). – F. Williams, 1950:375 (as synonym of *Solierella nigra* (Ashmead)). – **As *Silaon niger***: Rau and Rau, 1918:134 (new generic assignment, nesting in stems of *Sambucus*); J.Ch. Bradley, 1928:1009 (in catalog of New York Crabronidae); Rau, 1928b:375 (nesting in twig of *Sambucus*; no partitions between cells).

Solierella nigrans Krombein in Muesebeck, Krombein, and Townes, 1951:943. Substitute name for *Solierella nigra* (Rohwer). – Krombein, 1956b:154 (West Virginia: Lost River State Park); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: California, West Virginia); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta, British Columbia, and Saskatchewan: no specific locality).

80. *nigridorsum* Pulawski

Solierella nigridorsum Pulawski, 1964:136, ♀. Holotype: ♀, Egypt: Ghiza (originally W.J. Pulawski coll., now CAS). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Roche, 2007a:99 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:582 (in key to *Solierella* of United Arab Emirates), 586 (first record from United Arab Emirates: north of Ajman, Dubai/al-Awir, Dubai/Nakhalai, Sharjah Desert Park, Wadi Madaq, Wadi Wurayah; description of ♂), 588 (color photographs of male); Schmid-Egger, 2014:609 (United Arab Emirates); Atbaei, Fallahzadeh, and Ljubomirov, 2015:24 (first record from Iran: Fars Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:68 (Iran: known from Fars Province); Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:30 (Iran: Hormozgan: Sar Kahnan at 27°24'N 57°07'E); Gadallah, 2020b:48 (in list of aculeate wasps of Arabian Peninsula); Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:102, 104 (in key to *Solierella* of Iran), 109 (summary of locality records from Iran); Abu el-Ghiet, Gadallah, Gasib, Al-Fifi, and Edmardash, 2023:170 (Saudi Arabia: Farasan Island); Gadallah and Abu El-Ghiet, 2024:88 (Saudi Arabia: Jazan Province: Farasan).

81. *nitens* F. Williams

Solierella nitens F. Williams, 1950:376, ♀. Holotype: ♀, USA: California: San Mateo County: Menlo Park (CAS). – Krombein in Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); F. Williams, 1950:395 (filling nest with debris dropping this material while in flight); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera).

82. *nitida* Gussakovskij

Solierella nitida Gussakovskij, 1928b:82, ♂. Syntypes: ♂, Uzbekistan: Khiva (ZIN). – Gussakovskij, 1930d:233 (additional morphological characters); de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Kazenas, 1978b:144 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

83. *nitidula* R. Bohart

Solierella nitidula R. Bohart, 1991a:197, ♀, ♂. Holotype: ♂, USA: California: Monterey County: Arroyo Seco Camp (UCD).

84. *nitraria* Pulawski

Solierella nitraria Pulawski, 1967b:65, ♀, ♂. Holotype: ♂, Egypt: Wadi Natrun: Bir Hooker (USNM). – R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Roche, 2007a:99 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

85. obscura de Beaumont

Solierella obscura de Beaumont, 1956a:208, ♂. Holotype: ♂, Libya: southern Tripolitania: Jebel Soda (BMNH). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae).

86. pallidipes Arnold

Solierella pallidipes Arnold, 1945:140, ♀, ♂. Syntypes: Madagascar: Bekily (MNH). – Leclercq, 1960a:98 (Madagascar); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Lomholdt, 1985:56 (in revision of southern African Miscophini); Hancock, Chahwanda, and Mhlanga, 1995:39 (paratypes in Bulawayo Museum); Pulawski, 2003b:797 (in checklist of Malagasy Sphecidae).

87. peckhami (Ashmead)

Plenoculus peckhami Ashmead, 1897b:130, ♂. Lectotype: ♂, Wisconsin: Waukesha County: Haitland, correctly Hartland (USNM), designated by Menke in Rust, Menke, and Miller, 1985:54. – Ashmead, 1899c:338 (in key to *Plenoculus*), 1899d:251 (in checklist of North American Crabronidae); G. Peckham and E. Peckham, 1905:95 (nest structure). – **As *Cerceris peckhami***: Bridwell, 1899:209 (new generic assignment, Kansas: Baldwin). – **As *Solierella peckhami***: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); Krombein and Evans, 1954:232 (Florida: Arcadia), 1955:231 (Florida: Arcadia); Evans, 1958c:124 (description of larva); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: California, Florida); R. Bohart and Brumley, 1967:232 (parasites: *Hedichridum carrilloi* R. Bohart and Brumley and *H. solierellae* Bohart and Brumley, Chrysididae); Carrillo, 1967:201 (pre-eclosion and post-eclosion larval phases); Carrillo and Caltagirone, 1970:673 (nesting habits); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:46 (California: Channel Islands), 54 (diagnostic characters); Frohlich, Clark, Parker, and Griswold, 1988:268 (Oregon: Malheur County: Leslie Gulch); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon); Buck, 2004:25 (Canada: in checklist of Crabronidae of Ontario), 30 (distribution within Ontario), 48 (first record from Canada: Ontario: list of localities); Saure, 2012a:27 (first record from Europe: Germany: Berlin-Moabit); Bitsch, 2014:404 (record from Germany by Saure, 2012a reported); Ratzlaff, 2016:26 (Canada: first record from British Columbia: Southern Interior), 35 (British Columbia: Ashcroft, Nicola River 1 km east of Petit Creek bridge, Tahitan); Schmid-Egger and Bitsch in Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:320 (in revision of Sphecidae *sensu lato* of Europe); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, Manitoba, Ontario, and Saskatchewan: no specific locality).

Plenoculus niger Ashmead, 1899c:339, ♀. Holotype: ♀, Colorado: no specific locality (USNM). Synonymized with *Solierella peckhami* by Krombein in Muesebeck, Krombein, and Townes, 1951:943, synonymy confirmed by Menke in Rust, Menke, and Miller, 1985:54. – Ashmead, 1899c:338 (in key to *Plenoculus*), 1899d:251 (in checklist of North American Crabronidae). – **As *Solierella nigra***: F. Williams, 1950:375 (new generic assignment, in revision of *Solierella* of California), 394 (nesting habits), 1953:160 (Krombein's, 1951 synonyms reported; California).

Silaon rohweri Bridwell, 1920g:398, ♀, ♂ Syntypes: Hawaiian Islands: Oahu: Waiane (USNM). Synonymized with *Solierella peckhami* by Krombein in Muesebeck, Krombein, and Townes, 1951:943, synonymy confirmed by Menke in Rust, Menke, and Miller, 1985:54. – Bridwell, 1920d:331 (prey: *Nysius* sp., a lygaeid), 1920f:339 (breeding a male); F. Williams, 1921:489 (nest in a cactus twig near Honolulu, Hawaii), 1927:441 (nesting in holes made by cerambycid *Neoclytarius euphorbiae* Bridwell in stems of *Euphorbia*, preying on lygaeid nymphs); Krombein, 1949b:383 (in key to Sphecidae of Micronesia), 400 (Marshall Islands).

Niteliopsis kansensis F. Williams, 1914:178, ♀. Holotype: ♀, USA: Kansas: Norton County: no specific locality (Kansas Univ.). Synonymized with *Solierella peckhami* by Menke in Rust, Menke, and Miller, 1985:54. – LaBerge, 1956:526 (holotype in Snow Entomological Museum). – **As *Solierella kansensis***: Krombein, 1939:140 (new generic assignment, comparison with *Solierella kansensis*); Krombein in Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:313 (in checklist of world Sphecidae); Krombein, 1979b:1636 (in catalog of North American Hymenoptera).

Solierella arenaria Krombein, 1939:139, ♀. Holotype: ♀, USA: New York: Oswego County: Granby Center sand dunes (USNM). Synonymized with *Solierella peckhami* by Krombein in Muesebeck, Krombein, and Townes, 1951:943, synonymy confirmed by Menke in Rust, Menke, and Miller, 1985:54.

88. *pectinata* Pulawski

Solierella pectinata Pulawski, 1964:137, ♀. Holotype: ♀, Egypt: Saqqara (originally W.J. Pulawski coll., now CAS). – de Beaumont, 1968a:271 (Canary Islands: Gran Canaria; description of ♂); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Báez and Ortega, 1978:192 (Canary Islands); Wolf, 1980:73 (Canary Islands); Guichard, 1991a:340 (Jordan); Hohmann, La Roche, Ortega, and Barquín, 1993:231 (detailed locality records from Canary Islands); Roche, 2007a:99 and 2007b:6 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

89. *penai* Sielfeld

Solierella penai Sielfeld, 1976:59, ♀, ♂ (as *peñai*, incorrect original diacritic mark). Holotype: ♂, Chile: Tarapacá: Codpaquilla (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

90. *persica* Schmid-Egger

Solierella persica Schmid-Egger in Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:10, ♀. Holotype: ♀, Iran: Fars Province: Kherameh: Dodej at 29°34'23"N 52°59'42"E (Zoologische Staatssammlung München, Germany). – Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:103 (in key to *Solierella* of Iran).

91. *pimorum* R. Bohart

Solierella pimorum R. Bohart, 1991a:198, ♀. Holotype: ♀, USA: Arizona: Pima County: Baboquivari Canyon (CAS).

92. *pisonoides* (S. Saunders)

Niteliopsis pisonoides S. Saunders, 1873:411, ♀, ♂. Lectotype: ♂, Greece: Island of Corfu (OXUM), designated by de Beaumont, 1964b:61. – **As *Solierella pisonoides***: Kohl, 1885a:209 (new generic assignment, in revision of European Larrinae); Dalla Torre, 1897:700 (in catalog of world Hymenoptera); Zilahi Kiss, 1915:80 (Hungary: Szalonzca, may be *Solierella compedita*); de Beaumont, 1964b:61 (in revision of Mediterranean *Solierella*), 1965a:55 (Greece), 1969:92 (Turkey); de Beaumont, Bytinski-Salz and Pulawski, 1973:19 (Israel); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Kazenas, 1978b:143 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:227 (in key to Sphecidae of European part of USSR); Gayubo, 1982a:111 (northern Spain: Sierra de Béjar), 1982f:255 (Spain: Cádiz Province: Algodonales), 1984b:96 (Spain: previously recorded from Salamanca Province), 1984c:369 (Portugal: El Algarve Province), 1986c:34 (Spain: Zamora Province), 1987a:115 (Spain: Ciudad Real Province); Gayubo and Mingo, 1988:84 (Spain); Tormos, Asís, and Gayubo, 1994:188, 209 (Spain: Albacete Province); Gayubo, González, and Torres, 2000:186 (Spain: Salamanca Province); Kazenas, 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia); Schmid-Egger and Bitsch in Bitsch et al., 2001:300 (in Sphecid Fauna of Western Europe); Standfuss and Standfuss, 2006b:97 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Gayubo, González, Tormos, and Asís, 2008:138 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Ljubomirov and Yildirim, 2008:236 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:312 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:363 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:624 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Guéorguiev and Ljubomirov, 2009:264 (Bulgaria: Maleshevska Planina); Józán, 2009:166 (Croatia: Devičić Draga, Klenovica); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:499 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Prisniy, 2012:48 (Russia: Belgorod Oblast); Vieira, Oliveira, Brewster, and Gayubo, 2013:18 (Portugal: Douro International Natural Park); Yildirim, Ljubomirov, and Lelej, 2014:13 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:150 (in checklist of Hymenoptera of Turkey); Shorenko, 2015:327 (in list of Sphecidae *sensu lato* of Crimea); Antropov, 2017b:241 (in catalog of Crabroninae of Russia); Gülmez and Can, 2017:82 (Turkey: Erzincan Province); Shorenko, 2017:77 (in Crimea collected in August), 2018:128 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin,

Aliyev, and Maharramov, 2019:16 (Azerbaijan: Nakhichevan Autonomous Republic); Cross, Baldock, and Wood, 2021:51 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:71 (in catalog of Crabronidae of Turkey); Schmid-Egger and Bitsch *in* Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:321 (in revision of Sphecidae *sensu lato* of Europe); Schmid-Egger, Fallahzadeh, and Swadeshi, 2021:103, 104 (in key to *Solierella* of Iran), 111 (Iran: East Azerbaijan Province: 10 km east of Shabestdar); Kaplan and Yildirim, 2023:1686 (in checklist of Sphecidae *sensu lato* of Turkey).

Solierella paradoxa Gussakovskij, 1930d:233, ♂. Syntypes: Turkmenistan: Kopet Dag near Ashgabat and Crimea: Karadag (ZIN). Synonymized with *Solierella pisonoides* by de Beaumont, 1964b:61.

93. *platensis* Brèthes

Solierella platensis Jörgensen, 1912:291, nomen nudum (Argentina: Mendoza Province).

Solierella platensis Brèthes, 1913:152, ♀. Syntypes: ♀, Argentina: Mendoza: no specific locality; and Buenos Aires (MACN). – Menke, 1968b:312 (in list of South American *Solierella*); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Sielfeld, 1980c:88 (listed in checklist of Neotropical *Solierella*); Genise, 1990:27 (type material in MACN); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

94. *plenoculoides* (W. Fox)

Niteliopsis plenoculoides W. Fox, 1893e:555, ♀. Lectotype: ♀, USA: New York: no specific localities (ANSP), designated by Cresson, 1928:45. – W. Fox, 1894a:478 (in revision of North American Larrinae); Dalla Torre, 1897:700 (in catalog of world Hymenoptera); Ashmead, 1899d:251 (in checklist of North American Crabronidae); Rohwer, 1908a:224 (Colorado), 1909a:114 (description of ♂); Mickel, 1918b:432 (in catalog of Nebraskan Sphecidae). – **As *Solierella plenoculoides***: J.Ch. Bradley, 1928:1009 (new generic assignment, in catalog of New York Crabronidae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); Krombein, 1958a:52 (USA: West Virginia: Lost River State Park); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); Spofford, Kurczewski, and Downes, 1989:259 (summary of previous records for nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly); Kurczewski and Miller, 1991:254 (New York: Cayuga County); Wcislo, 1998:181 (proportions of antennae in relations to parasitic/non-parasitic behavior); Buck, 2004:25 (in checklist of Crabronidae of Ontario, Canada), 30 (distribution within Ontario), 49 (first record from Canada: Ontario: list of localities); Jenkins and Matthews, 2004:209 (Georgia and South Carolina, nesting in trap nest, prey: nymphal acridid grasshoppers); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 46 (Mexico: Tamaulipas); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:383 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, Ontario, first record from Alberta, Manitoba, New Brunswick, Quebec, and Saskatchewan: no specific locality).

ssp. similis (Bridwell)

Silaon similis Bridwell, 1920g:402, ♀. Holotype: ♀, USA: California: Alameda County: Berkeley (USNM). – F. Williams, 1950:370 (in revision of *Solierella* of California), 391 (nesting in stem of an umbellifer, preying on grasshopper nymphs), 1953:159 (California); F. Parker and R. Bohart, 1966:95 (Nevada: Reno, Verdi; parasites: *Lomachaeta variegata* Mickel, a mutillid, *Eurytoma stigma* Ashmead, a eurytomid, *Senotainia trilineata* Vanderwump, a sarcophagid). – **As *Solierella plenoculoides similis***: Krombein *in* Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, new status, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); Pitts and Mansley, 2004:6 (nest parasite: mutillid *Lomachaeta argenta* Pitt and Mansley), 10 (nest parasite: mutillid *Lomachaeta cirrhomoris* Pitts and Mansley), 11 (nest parasite: *Lomachaeta crocopinna* Pitts and Mansley), 13 (nest parasite: *Lomachaeta ptilohyalus* Pitts and Mansley), 16 (nest parasite: *Lomachaeta hicksi* Mickel); Ratzlaff, 2016:26 (first record from Canada: British Columbia: Central Interior, Georgia Depression, Southern Interior, and Southern Interior Mountains), 36 (British Columbia: locality records).

95. *prosopidis* F. Williams

Solierella mandibularis F. Williams, 1958:212, ♀, junior primary homonym of *Solierella mandibularis* de Beaumont, 1957. Holotype: ♀, USA: California: San Bernardino County: Cronise Valley (CAS).

Solierella prosopidis F. Williams, 1959:116. Substitute name for *Solierella mandibularis* F. Williams, 1958. – R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera).

96. *pulawskii* R. Bohart

Solierella pulawskii R. Bohart, 1991b:239, ♂♀. Holotype: ♂, USA: Texas: Crockett County: Fort Lancaster State Park (UCD). – R. Bohart, 1991b:232 (in key to North American *Solierella* of *inermis* group).

97. *quitensis* (Benoist)

Sylaon quitensis Benoist, 1942:85, ♀, ♂. Syntypes: Ecuador: Rumipamba near Quito (MNHN). – **As *Solierella quitensis***: Menke, 1968b:312 (in list of South American *Solierella*); R. Bohart and Menke, 1976:314 (new generic assignment, in checklist of world Sphecidae); Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

98. *rhodesiana* Arnold

Solierella rhodesiana Arnold, 1923c:22, ♀. Holotype: ♀, Zimbabwe: Bulawayo (Bulawayo). – Arnold, 1929c:400 (description of ♂), 1930:7 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Lomholdt, 1985:55 (in revision of southern African Miscophini); Hancock, Chahwanda, and Mhlana, 1995:39 (holotype in Bulawayo Museum).

99. *rubra* R. Bohart

Solierella rubra R. Bohart, 1991a:199, ♂. Holotype: ♂, USA: New Mexico: Dona Ana County: Las Cruces (UCD).

100. *sayi* (Rohwer)

Niteliopsis sayi Rohwer, 1909:114, ♀, ♂. Lectotype: ♀, USA: Colorado: Teller County: Florissant (USNM), designated by Menke in Rust, Menke, and Miller, 1985:54. – **As *Solierella sayi***: Krombein in Muesebeck, Krombein, and Townes, 1951:943 (new generic assignment, in catalog of North American Hymenoptera); F. Williams, 1950:386 (in revision of *Solierella* of California), 395 (preying on *Psocus californicus* Banks, nesting in soil), 1953:162 (California); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:46 (California: Channel Islands), 54 (comments); Ratzlaff, 2018:116 (first record from Canada: British Columbia: Whipsaw Creek Forest Service Road at 49.3536°N 120.6097°W); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

101. *scrobiculata* Arnold

Solierella scrobiculata: Brauns, 1911a:240, nomen nudum (South Africa: Transvaal, now Gautenh, Limpopo, and Mpumalanga provinces).

Solierella scrobiculata Arnold, 1923c:22, ♀ (authorship attributed to Brauns). Holotype: ♀, South Africa: North West Province: Lichtenberg (TMP). – Arnold, 1929c:400 (description of ♂, Zimbabwe: Bulawayo), 1930:7 (in checklist of Afrotropical Sphecidae); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Leclercq, 1976b:203 (Island of Saint Helena, redescription); Lomholdt, 1985:53 (in revision of southern African Miscophini); Hancock, Chahwanda, and Mhlana, 1995:39 (specimen in Bulawayo Museum).

102. *seabrai* de Andrade

Solierella seabrai de Andrade, 1950:6, ♀, ♂. Holotype: ♀, Portugal: Estoril (Univ. Coimbra). – Ceballos, 1956:391 (in catalog of Hymenoptera of Spain); Diniz, 1959:31 (Portugal: five localities); de Beaumont, 1964b:65 (in revision of Mediterranean *Solierella*), 66 (as *seabrai seabrai*); Diniz, 1964a:2 (Portugal: Estoril, Évora, Lisboa, Trafaria); de Beaumont, 1965a:55 (Greece); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Gayubo, 1982a:111 (northern Spain: Sierra de Béjar), 1982f:255 (Spain: Cádiz Province: Castellar de la Frontera, Puerto de Santa María, San Roque), 1984b:88 (Spain: Salamanca

Province), 1984c:369 (Portugal: El Algarve Province), 1986c:34 (Spain: Zamora Province); Gayubo and Sanza, 1986:51 (Spain: Burgos); Gayubo, 1987a:116 (Spain: Ciudad Real Province); Gayubo and Mingo, 1988:84 (Spain); Gayubo, Asís, and Tormos, 1990a:19 (Spain); Pagliano, 1990:109 (in catalogue of Italian Sphecidae: first record from Italy); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:10 (in catalog of Italian fauna: Sardinia); Gayubo, García, Torres, and González, 1999:90 (Spain: Soria Province); Schmid-Egger and Bitsch *in* Bitsch et al., 2001:301 (in Sphecidae Fauna of Western Europe); Pagliano and Negrisolo, 2005:404 (in Sphecidae Fauna of Italy); Standfuss and Standfuss, 2006b:97 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Gayubo, González, Tormos, and Asís, 2008:138 (Spain: Salamanca: Parque Natural de Las Batuecas–Sierra de Francia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:312 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:363 (Spain: Valladolid: Reserva Natural Riberas de Castronuño–Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:624 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Guéorguiev and Ljubomirov, 2009:264 (Bulgaria: Maleshevska Planina); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:499 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Vieira, Oliveira, Brewster, and Gayubo, 2013:18 (Portugal: Douro International Natural Park); Grouet and Bitsch, 2016:41 (France: Département de l'Aude; most specimens with only two submarginal cells; diagnostic characters); Mokrousov, Shlyakhtenok, and Grebennikov, 2016:27 (first record from Russia: Astrakhan' Oblast': Bogdo at 48.164°N 46.814°E and 48.133°N 46.825°E); Antropov, 2017b:241 (in catalog of Crabroninae of Russia); Cross, Baldock, and Wood, 2021:51 (in catalog of Sphecidae *sensu lato* of Portugal); Schmid-Egger and Bitsch *in* Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:322 (in revision of Sphecidae *sensu lato* of Europe).

ssp. corsa de Beaumont

Solierella seabrai corsa de Beaumont, 1964b:66, ♀, ♂. Holotype: ♀, France: Corse: Bonifacio (MNHN, coll. Fertou). – R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Pagliano, 1990:109 (in catalogue of Italian Sphecidae: Corsica), 2003b:131 (Italy: Island of Pantelleria); Pagliano and Negrisolo, 2005:405 (in Sphecidae Fauna of Italy); Pagliano, 2009:185 (Italy: Sicilia: Island of Pantelleria: lake Speccio Venere).

103. semirugosa F. Williams

Solierella semirugosa F. Williams, 1958:210, ♀, ♂. Holotype: ♀, USA: California: Borrego Springs (CAS). – R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

104. sola Genaro and Portuondo

Solierella sola Genaro and Portuondo, 2001:46, ♀, ♂. Holotype: ♀, Cuba: Santiago de Cuba: Siboney (Centro Oriental de Ecosistemas y Biodiversidad, Santiago de Cuba). – Portuondo and Fernández, 2004:135 (Cuba: Sierra Maestra and Nipe-Sagua-Baracoa mountains); Amarante, 2005a:5 (in addendum to his 2002 catalog of Neotropical Crabronidae and Sphecidae); Genaro, 2006:55 (in checklist of Cuban Sphecidae and Crabronidae); Genaro, 2021:4 (in key to *Solierella* of Antilles).

105. sonorae F. Williams

Solierella sonorae F. Williams, 1950:368, ♀. Holotype: USA: ♀, California: Riverside County: 8 mi. south of Indio (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); F. Williams, 1953:157 (southern California); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon); Hook, 1998:250 (first records from Colorado and New Mexico).

106. sonorana R. Bohart

Solierella sonorana R. Bohart, 1991b:240, ♂. Holotype: ♂, Mexico: Sonora: Belém (UCD). – R. Bohart, 1991b:231 (in key to North American *Solierella* of *inermis* group); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

107. stangei Menke

Solierella stangei Menke, 1968b:311, ♀. Holotype: ♀, Argentina: Catamarca: 6 km north of Santa Maria (Inst. M. Lillo). – Menke, 1968b:312 (in list of South American *Solierella*); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Sielfeld, 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

108. *striatipes* (Ashmead)

Niteliopsis striatipes Ashmead, 1899a:9, ♀, actually ♂. Holotype: ♂, USA: California: no specific locality (USNM). – Ashmead, 1899d:251 (in checklist of North American Crabronidae). – **As *Solierella striatipes***: F. Williams, 1950:369 (new generic assignment, in revision of *Solierella* of California), 389 (nesting in soil, preying on mature brachypterous female of *Melanoplus ligneolus* Scudder, an acridid) Krombein *in* Muesebeck, Krombein, and Townes, 1951:943 (in catalog of North American Hymenoptera); F. Williams, 1953:159 (California: Tracy); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: Baja California); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1637 (in catalog of North American Hymenoptera); Steiner, 1986:104 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:260 (summary of previous records for nest parasite *Taxigramma* sp., a miltogrammine fly); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:665 (in checklist of Mexican Sphecidae).

109. *syriaca* de Beaumont

Solierella syriaca de Beaumont, 1964b:64, ♀, ♂. Holotype: ♂, Syria: Douma near Damascus (originally A. Mochi coll., now Torino). – R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Schmid-Egger, Fallahzdeh, and Sadeghi, 2021:103, 104 (in key to *Solierella* of Iran), 111 (first record from Iran: Kerman Province: Kuh-e Gebal Barez: Dehbakri at 29.58°N 57.57°E).

110. *tarapacensis* Sielfeld

Solierella tarapacensis Sielfeld, 1975:106, ♀. Holotype: ♀, Chile: Tarapacá: Chuzmisa (W.H. Sielfeld coll.). – Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae), 1980c:88 (in checklist of Neotropical *Solierella*); Amarante, 2002:43 (in catalog of Neotropical Crabronidae).

111. *tarsata* R. Bohart

Solierella tarsata R. Bohart, 1991a:200, ♀, ♂. Holotype: ♀, USA: California: Riverside County: 18 mi. west of Blythe (UCD).

112. *timberlakei* F. Williams

Solierella timberlakei F. Williams, 1950:380, ♀. Holotype: ♀, USA: California: Riverside County: 6 mi. south of Palm Springs (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:944 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1638 (in catalog of North American Hymenoptera).

113. *turneri* Dutt

Solierella turneri Dutt *in* R. Turner, 1917e:205, sex not stated. Holotype: ♂, India: Bihar: Pusa (BMNH). – R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Mawadda and Girish Kumar, 2022:111 (description of ♀, new locality records).

114. *vandykei* F. Williams

Solierella vandykei F. Williams, 1950:371, ♀. Holotype: ♀, USA: California: Placer County: Tahoe (CAS). – Krombein *in* Muesebeck, Krombein, and Townes, 1951:944 (in catalog of North American Hymenoptera); F. Williams, 1953:159 (California: Eldorado County); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1638 (in catalog of North American Hymenoptera).

115. *verhoeffi* de Beaumont

Solierella verhoeffi de Beaumont, 1964b:63, ♀, ♂. Holotype: ♂, Cyprus: Yermasoyia Hills (Lausanne). – de Beaumont, 1965a:55 (Greece), 1967a:336 (Turkey); de Beaumont, Bytinski-Salz and Pulawski, 1973:19 (Israel); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Torregrosa, Gayubo, Tormos, and Asís, 1993:19 (Spain: Alicante Province); Schmid-Egger and Bitsch *in* Bitsch et al., 2001:302 (in Sphecid Fauna of Western Europe); Standfuss and Standfuss, 2006b:97 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Ljubomirov and Yildirim, 2008:236 (in catalog of Crabronidae of Turkey); Gayubo,

González, Tormos, and Asís, 2009:363 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); Yıldırım, Ljubomirov, and Lelej, 2014:13 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:150 (in checklist of Hymenoptera of Turkey); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:16 (Azerbaijan: Nakhichevan Autonomous Republic); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2019a:272 (Iran: Fars: Kazeroon: Zavali, and Kherameh: Dodej); Kaplan and Yıldırım, 2021:71 (in catalog of Crabronidae of Turkey); Schmid-Egger and Bitsch *in* Bitsch, Antropov, Gayubo, Leclercq, Schmid-Egger, K. Schmidt, and Straka, 2021:323 (in revision of Sphecidae *sensu lato* of Europe); Schmid-Egger, Fallahzadeh, and Sadeghi, 2021:103, 104 (in key to *Solierella* of Iran), 111 (Iran: Elburz Province: Pulour 22 km north of Abd Ali); Kaplan and Yıldırım, 2023:1686 (in checklist of Sphecidae *sensu lato* of Turkey).

116. *vierecki* (Rohwer)

Niteliopsis vierecki Rohwer, 1909a:112, ♀, ♂. Syntypes: USA, Colorado: Boulder County: Boulder (USNM). – **As *Solierella vierecki***: F. Williams, 1950:370 (new generic assignment, in revision of *Solierella* of California); Krombein *in* Muesebeck, Krombein, and Townes, 1951:944 (in catalog of North American Hymenoptera); F. Williams, 1953:159 (California: Riverside and San Diego counties); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera: California), 1961a:81 (visiting flowers of mat euphorbia, *Euphorbia albomarginata* (Torrey & A. Gray) Small); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Norden and Krombein, 1996:607 (nest and prey); Hook, 1998:250 (first records from Texas); Buck and Bennett, 2025:216 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta and Saskatchewan: no specific locality).

Niteliopsis parva Rohwer, 1909a:113, ♂ (as *parvus*, incorrect original termination). Holotype or syntypes: ♂, USA: Colorado: Boulder County: Boulder (USNM). Synonymized with *Solierella vierecki* by Krombein *in* Muesebeck, Krombein, and Townes, 1951:944.

117. *wasbauerorum* R. Bohart

Solierella wasbauerorum R. Bohart, 1991a:201, ♀, ♂. Holotype: ♀, Mexico: Baja California Sur: Arroyo San Gregorio 13 km west-northwest of La Purisima (UCD).

118. *weberi* F. Williams

Solierella weberi F. Williams, 1955:85, ♂. Holotype: ♂, USA: California: California: Riverside County: Riverside (CAS). – Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Krombein, 1979b:1638 (in catalog of North American Hymenoptera).

119. *xanthocera* Gussakovskij

Solierella xanthocera Gussakovskij, 1930d:235, ♂. Holotype: ♂, Turkmenistan: Farab (ZIN). – de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Kazenas, 1978b:144 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia).

120. *zimini* Gussakovskij

Solierella zimini Gussakovskij, 1928b:83, ♀, ♂. Syntypes: Uzbekistan: Khiva area (ZIN). – Gussakovskij, 1930d:235 (Turkmenistan: Farab); de Beaumont, 1964b:67 (in checklist of unrevised Palearctic *Solierella*); R. Bohart and Menke, 1976:314 (in checklist of world Sphecidae); Kazenas, 1978b:143, 144 (in key to Sphecidae of Kazakhstan and Central Asia); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Kazenas, 2001b:33 (in checklist of Sphecidae of Kazakhstan and Central Asia); Mokrousov, Shlyakhtenok, and Grebennikov, 2016:28 (first record from Russia: Astrakhan' Oblast': near Lapas village at 46.976°N 47.846°E and near Volzhski village at 46.965°N 47.53°E); Antropov, 2017b:241 (in catalog of Crabroninae of Russia); Mokrousov, 2017d:59 (South-East of European Russia: no specific locality).

sp.

Bridwell, 1920b:284 (Hawaii); Rau, 1926:211 (Missouri: Wickes: sheltered clay bank), 1928:377 (nesting in sumac stems); Giner Marí, 1945b:361 (Canary Islands: Gran Canaria: El Carrizal); de Beaumont, 1958b:66 (Algeria: Tassili des Ajjer);

Evans, 1958c:124 (description of larva); de Beaumont, 1960a:21 (two species; Greece: Island of Rhodes); Newton, 1960:958 (Montana, nesting habits); de Beaumont, 1961c:51 (Greece: Crete); Diniz, 1964a:3 (Portugal: Aljustrel, Lagoa de Albufeira, Setúbal); Lavigne and Pfadt, 1966:31 (Wyoming; preying on grasshopper *Cordillacris crenulata* (Bruner)); de Beaumont, 1967a:336 (Turkey), 1969:92 (Turkey), 1970a:401 (Afghanistan); G. Bohart, Nye, and Hawthorn, 1970:49 (Utah: Logan, onion pollinator); Horning and Barr, 1970:103 (USA: Idaho: Craters of the Moon National Monument); Kumar, Lavigne, Lloyd, and Pfadt, 1976:51 (USA: Colorado: Pawnee National Grassland); Roche, 1981:3 (in checklist of Sphecidae of United Arab Emirates); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Ch. Porter, 1987:45 (Chile: Tarapacá Region); Al-Houty, 1989:162 (Kuwait: Erifjan, Khaldiya); Guichard, 1991a:340 (Jordan, spp. aff. *seabra* and *syriaca*); Amarante, 1993:19 (northeastern Brazil); Blades and Marshall, 1994:276 (Canada: southern Ontario); Blades and Maier, 1996:72 (Canada: British Columbia: Osoyoos - Mount Kobau area at 119°40'W 49°05'N); Kazenas and Esenbekova, 2001:134 (Kazakhstan: Almatinskiy Nature Reserve, *Solierella* sp. aff. *compedita*); Roche, 2007a:99 (sp. aff. *verhoeffi*, Egypt); Gayubo, González, Tormos, and Asís, 2008:138 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); Ljubomirov and Yildirim, 2008:237 (in catalog of Crabronidae of Turkey); Pagliano, 2011a:114 (specimen in coll. Spinola, Torino, is a *Liris* sp.), 116 (specimen in coll. Spinola, Torino, is a trielidine scoliid from New Caledonia); Dunford, Turbyville, and Leavengood, 2014:10 (listed as medically important in Afghanistan); Silvestre, Demétrio, Trad, de Oliveira Lima, Auko, and de Souza, 2014:69 (Brazil: Mato Grosso do Sul: dry forests in Bodoquena Mountain Range and Brazilian Chaco; two species); Ratzlaff, 2016:26 (*inermis* group, first record from Canada: British Columbia: Southern Interior), 36 (British Columbia: 1.5 km northeast of Ashcroft); Trad and Silvestre, 2017:5 (Brazil: Mato Grosso do Sul); Gadallah, 2020b:48 (in list of aculeate wasps of Arabian Peninsula).