

百合科 Liliaceae | 百合属 *Lilium* L.

多年生草本，鳞茎卵形或近球形；鳞片多数，肉质。花顶生，单生或排成总状花序，少有近伞形或伞房状排列；苞片叶状；花常有鲜艳色彩，有时有香气；花被片常多少靠合而成喇叭形或钟形，较少强烈反卷，基部有蜜腺。蒴果矩圆形。约 115 种；中国 55 种；横断山区约 24 种。

Herbs perennial. Bulbs ovate or subglobose; scales many, fleshy. Inflorescence terminal, a raceme or solitary flower, very rarely an umbel or corymb; bracts leaflike; flowers often bright, sometimes fragrant; tepals usually connivent and trumpet-like or campanulate, sometimes strongly recurved or revolute, nectariferous near base adaxially. Fruit a loculicidal capsule. About 115 species; 55 in China; 24 in HDM.

• 花大，喇叭状者 | Flowers large, funnellform

1 野百合

Lilium brownii F.E.Brown ex Miellez^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 300-920 m

鳞茎球形，直径 2~4.5 厘米。茎高 0.7~2 米。叶散生。花单生或几朵排成近伞形，花喇叭形，有香气，乳白色，外面稍带紫色，无斑点，长 13~18 厘米。生于山坡、灌木林下、路边、溪旁或石缝中。分布于甘肃、四川、云南；长江以南诸省。

Bulb globose, 2-4.5 cm in diam. Stem 0.7-2 m. Leaves scattered. Flowers solitary or several in a subumbel, funnellform, fragrant, milk white, suffused purplish, unspotted, 13-18 cm long. Hillsides, thickets, roadsides, places near streams or crevices in rocks. Distr. Gansu, Sichuan, Yunnan; S of Yangtze River.

2 岷江百合

Lilium regale E.H.Wilson^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 800-2500 m

鳞茎宽卵圆形；鳞片披针形。茎有小乳头状突起。叶散生，狭条形，具 1 条脉，边缘和下面中脉具乳头状突起。花单生或几朵，喇叭形，很香；花被白色，喉部为黄色；蜜腺两边无乳头状突起；子房圆柱形。生于山坡岩石边上、河旁。分布于四川。

Bulb broadly ovoid; scales lanceolate. Stem papillose. Leaves scattered, narrowly linear, papillose on midvein abaxially and at margin, 1-veined. Flowers solitary or several, funnellform, very fragrant; tepals white, tinged yellow at base, nectaries not papillose; ovary cylindrical. Rocky slopes, river banks. Distr. Sichuan.

3 通江百合

Lilium sargentiae E.H.Wilson^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 500-2000 m

叶散生。花喇叭形，白色；外轮花被片长 14~17 厘米；蜜腺黄绿色，无乳头状突起；花丝下部密被毛。生于山坡草丛中、灌木林旁。分布于四川。

Leaves scattered. Flowers funnellform; tepals white, 14-17 cm in length; nectaries yellowish green, not papillose; filaments densely pubescent proximally. Thicket margins, grassy slopes. Distr. Sichuan.

• 花被明显反卷者 | Tepals revolute

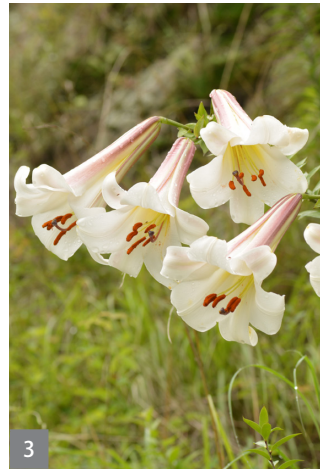
4 川百合

Lilium duchartreii Duchartre ex Elwes^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 850-3200 m

茎有的带紫色，密被小乳头状突起。叶多数，散生但在茎中部相对密集，线形，有明显的小乳头状突起。花橙黄色，向基部约 2/3 有紫黑色斑点；蜜腺两边有乳头状突起。生于山坡草地、林下潮湿处或林缘。分布于甘肃、四川、云南；华中各省。

Stem sometimes tinged purple, densely papillose. Leaves scattered, but relatively crowded at middle of stem, linear, conspicuously papillose. Tepals orange, with dark purple spots on proximal 2/3; nectaries papillose on both surfaces. Moist places in forests, forest margins, grassy slopes. Distr. Gansu, Sichuan, Yunnan; C China.



1 宝兴百合

1 2 3 4 5 6 7 8 9 10 11 12 1500-3800 m

Lilium duchartrei Franch.^[1-4]

鳞茎卵圆形；鳞片卵形至披针形，白色。叶散生，披针形至矩圆状披针形，下面和边缘有乳头状突起，3~5条脉，叶腋有一簇白毛。花单生或数朵排成伞房花序，花下垂，有香味，白色或粉红色，有紫色斑点，花被边缘反卷；蜜腺两边有乳头状突起；花药窄矩形，黄色。蒴果椭圆形。种子扁平，具1~2毫米宽的翅。生于高山草地、林缘或灌木丛中。分布于甘肃、四川；湖北、陕西南部。

Bulb ovoid; scales white, ovate to lanceolate. Leaves scattered, lanceolate to oblong-lanceolate, papillose abaxially and at margin, 3-5-veined, axil with a cluster of white hairs. Flowers solitary or several in an umbel, nodding, fragrant, tepals white, with red-purple spots, margin revolute; nectaries papillose on both surfaces; anthers yellow, narrowly oblong. Capsule ellipsoid. Seeds with a 1-2 mm wide wing. Forest margins along valleys, grassy slopes, hillsides. Distr. Gansu, Sichuan; Hubei, S Shaanxi.

2 匍茎百合

1 2 3 4 5 6 7 8 9 10 11 12 1800-3200 m

Lilium lankongense Franch.^[1-2]

鳞茎卵形或球形，直径2.5~4厘米。茎高40~150厘米。叶散生。花单生或数朵生于总状花序；花下垂，粉红色，有暗红色斑点，芳香，花被片反卷，长5~5.5厘米。生于高山草地。分布于西藏东南部、云南西北部。

Bulb ovoid-globose, 2.5-4 cm in diam. Stem 40-150 cm. Leaves scattered. Flowers solitary or several in a raceme; nodding, pink, with deep red spots, nodding, fragrant, margin revolute, tepals 5-5.5 cm. Alpine grasslands. Distr. SE Xizang, NW Yunnan.

3 川滇百合

1 2 3 4 5 6 7 8 9 10 11 12 ≈ 3900 m

Lilium primulinum var. *ochraceum* (Franch.) Stearn^[1]

鳞茎近球形，直径约3.5厘米。茎高0.6~2米。叶散生。4~9朵花排成总状花序；花钟形，下垂，淡黄色或绿黄色，少数黄白色，基部具深色斑块；花被片翻卷，长3.5~6.5厘米，矩形至矩形状倒披针形。生于林地、草坡。分布于四川、云南西北部；贵州。

Bulb subglobose, about 3.5 cm in diam. Stem 0.6-2 m. Leaves scattered. Flowers 4-9 in a raceme; flowers campanulate, nodding, primrose yellow or greenish yellow, rarely yellowish white, sometimes with purple blotches at base; tepals revolute, 3.5-6.5 cm, oblong to oblong-oblancheolate. Forests, grassy slopes. Distr. Sichuan, NW Yunnan; Guizhou.

4 大理百合

1 2 3 4 5 6 7 8 9 10 11 12 2600-3600 m

Lilium taliense Franch.^[1-4]

鳞茎卵形，高约3厘米，直径2.5厘米。茎高70~150厘米。叶散生。总状花序具花2~5朵，少有达13朵；花下垂，白色，有紫色斑点；花被片反卷，长约3厘米。生于山坡草地或林中。分布于西藏、四川、云南。

Bulb ovoid, about 3 cm long, 2.5 cm in diam. Stem 70-150 cm. Leaves scattered. Raceme with 2-5 flowers, rarely up to 13 ones; flowers nodding, white, with purple spots; tepals revolute, about 3 cm. Forests, grassy slopes. Distr. Xizang, Sichuan, Yunnan.

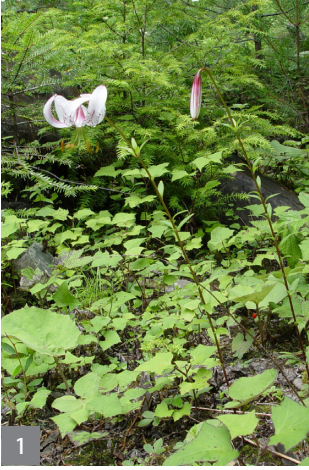
5 乡城百合

1 2 3 4 5 6 7 8 9 10 11 12 ≈ 3200 m

Lilium xanthellum F.T.Wang & Tang^[1-3]

鳞茎近球形；鳞片披针形，黄色。茎高35~55厘米。叶散生，条形，边缘稍反卷并具乳头状突起。花1~2朵；花被片黄色，狭椭圆形或倒披针形，有或无紫色斑点；蜜腺两边有鸡冠状突起；花药线形。生于山坡阳处灌丛中。分布于四川西部（乡城）。

Bulb subglobose; scales yellow, lanceolate. Stem 35-55 cm tall. Leaves scattered, linear, margin slightly recurved, papillose. Flowers solitary or paired; tepals yellow, with or without purple spots, narrowly elliptic-oblancheolate; nectaries with cristate projections on both surfaces; anthers linear. Sunny shrubby slopes, rocky places along valleys. Distr. W Sichuan (Xiangcheng).



• 花钟形者 | Flowers campanulate

1 金莲花滇百合

1 2 3 4 5 6 7 8 9 10 11 12 2000-2400 m

Lilium bakerianum var. *aureum* Grove & Cotton^[1-4]

茎有小乳头状突起。叶无毛，边缘及下面沿中脉有乳头状突起。花 1~3 朵，钟形；花被淡黄色、黄色或黄褐色，内具紫色斑点；蜜腺两边无乳头状突起。生于林下草坡或灌丛边缘。分布于四川西南部、云南西北部。

Stem papillose. Leaves glabrous, papillose at margin and on midvein abaxially. Flowers 1-3, campanulate; tepals pale yellow, yellow, brownish yellow, or purplish yellow, with purple or purple-red spots adaxially; nectaries not papillose. Thicket margins, grassy slopes. Distr. SW Sichuan, NW Yunnan.

2 尖被百合

1 2 3 4 5 6 7 8 9 10 11 12 2700-4250 m

Lilium lophophorum (Bureau & Franch.) Franch^[1-4]

鳞茎近卵形，高 4~4.5 厘米，直径 1.5~3.5 厘米。茎高 10~45 厘米。叶变化很大，由聚生至散生。花通常 1 朵，少有 2~3 朵，下垂；花黄色至淡黄绿色，具极稀疏的紫红色斑点或无斑点，花被片长 4.5~5.7 厘米。生于高山草地、林下或山坡灌丛中。分布于西藏东南部、四川西南部、云南西北部。

Bulb subovoid, 4-4.5 cm long, 1.5-3.5 cm in diam. Stem 10-45 cm. Leaves highly variable, clustered to scattered. Flower usually solitary, occasionally 2 or 3, nodding; tepals yellow to pale yellowish green, with purple-red spots or unspotted, 4.5-5.7 cm. Forests, bushy slopes, alpine grasslands. Distr. SE Xizang, SW Sichuan, NW Yunnan.

3 小百合

1 2 3 4 5 6 7 8 9 10 11 12 3500-4500 m

Lilium nanum Klotz. et Garcke var. *nanum*^[3]

茎高 10~30 厘米。叶散生。花单生，钟形，下垂；花被淡紫色或紫红色，内有深紫色斑点。生于山坡草地、灌木林下或林缘。分布于西藏南部和东南部、四川西部、云南西北部；不丹、尼泊尔、印度。

Stem 10-30 cm. Leaves scattered. Flower solitary, nodding, campanulate; tepals pale purple, purplish red, usually with deep purple spots. Forest margins, thickets, grassy slopes. Distr. S and SE Xizang, W Sichuan, NW Yunnan; Bhutan, Nepal, India.

4 黄花小百合

1 2 3 4 5 6 7 8 9 10 11 12 3800-4300 m

Lilium nanum var. *flavidum* (Rendle) Sealy^[1-3]

与原变种相似，但花为黄色。生于林缘、灌丛或高山草地。分布于西藏东南部、云南西北部；缅甸。

Similar to the original variety, only tepals yellow. Forest margins, thickets, grassy slopes, alpine grasslands. Distr. SE Xizang, NW Yunnan; Myanmar.

5 紫花百合

1 2 3 4 5 6 7 8 9 10 11 12 1200-4000 m

Lilium souliei (Franch.) Sealy^[1-4]

鳞茎近狭卵形，高 2.5~4 厘米，直径 1.3~1.8 厘米。茎高 10~30 厘米。叶散生，5~8 枚。花单生，钟形，下垂，紫红色，无斑点；花被片长 2.5~3.5 厘米。生于山坡草地或灌木林缘。分布于四川、云南。

Bulb narrowly ovoid, 2.5-4 cm long, 1.3-1.8 cm in diam. Stem 10-30 cm. Leaves 5-8, scattered. Flower solitary, nodding, campanulate, purple-red, without spots; tepals 2.5-3.5 cm. Thicket margins, grassy slopes. Distr. Sichuan, Yunnan.

6 亚坪百合

1 2 3 4 5 6 7 8 9 10 11 12 ≈ 3200 m

Lilium yapingense Y.D.Gao & X.J.He^[7]

外观近似小百合，但鳞茎为橙色而非白色。花被基部为条纹，而非斑点；蜜腺具暗色凹槽。生于石灰岩基质的向阳草坡、灌丛。分布于云南西北部（福贡）。

Similar to *L. nanum* in appearance, but scales orange instead of white. Without spots on the tepal bases, instead of possessing symmetric stripes; nectaries with two dark grooves. Sunny grassy and bushy slopes on limestone soils. Distr. NW Yunnan (Fugong).



百合科 Liliaceae | 洼瓣花属 *Lloydia* Salisb.

多年生草本。鳞茎通常狭卵形，上端延长成圆筒状。茎不分枝。叶线状，1至多枚基生。花序顶生；花被片6枚，近基部常有凹穴、毛或褶片；花丝直立，有时具毛；花药基着。约20种；中国8种；横断山区约7种。

Herbs perennial. Bulbs usually narrowly ovoid, with a elongated cylindrical top. Stem simple. Leaves usually filiform; basal leaves 1 to several, rather long. Inflorescence terminal; tepals 6, usually with a nectary, hairs, or lamellae near base; filaments erect, sometimes hairy; anthers basifixed. About 20 species; eight in China; about seven in HDM.

1 黄洼瓣花

Lloydia delavayi Franch.^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 3300-3800 m

植株高15~25厘米。基生叶3~9枚，茎生叶数枚。花序具1~4朵花；花被片黄色，具紫绿色脉；外轮花被片近长方形，内轮花被片倒卵形至椭圆形，无鸡冠状褶片；花被片具绒毛或罕正面近基部稍被毛。生于草坡或石坡上。分布于云南西北部。

Plants 15-25 cm. Basal leaves 3-9, cauline leaves several. Inflorescences 1-4-flowered; tepals yellow, purplish green veined; outer tepals suboblong, inner ones obovate-elliptic, not crested-lamellar; tepals villous or rarely slightly hairy at or near base adaxially. Rocky slopes, grasslands. Distr. NW Yunnan.

2 紫斑洼瓣花

Lloydia ixiolirioides Baker ex Oliv.^[1-3]

1 2 3 4 5 6 7 8 9 10 11 12 3000-4300 m

植株高15~30厘米。基生叶通常4~8枚；茎生叶2~3枚。花单朵或2朵；内外花被片相似，白色，中部至基部有紫红色斑。生于山坡或草地。分布于西藏、四川西南部、云南西北部。

Plants 15-30 cm. Basal leaves usually 4-8, cauline leaves 2-3. Flower solitary or paired; inner and outer tepals subequal, white, mottled with purple. Slopes, grasslands. Distr. Xizang, SW Sichuan, NW Yunnan.

3 尖果洼瓣花

Lloydia oxycarpa Franch.^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 3400-4800 m

植株高5~26厘米。基生叶3~7枚，茎生叶狭条形。花通常单朵顶生；内外花被片相似黄色或绿黄色。生于山坡、草地或疏林下。分布于甘肃南部、西藏、四川西南部、云南西北部和中部。

Plants 5-26 cm. Basal leaves 3-7, cauline leaves narrowly linear. Flower terminal, usually solitary; inner and outer tepals subequal, yellow or yellowish green. Slopes, grasslands, open forests. Distr. S Gansu, Xizang, SW Sichuan, NW and C Yunnan.

4 洼瓣花

Lloydia serotina (L.) Rchb.^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 2400-4000 m

植株高10~20厘米。基生叶通常2枚，很少仅1枚；茎生叶条形或更狭窄。花1~2朵；内外花被片近相似，白色而有紫斑。生于山坡、灌丛中或草地上。分布于西南、西北、华北和东北各省区；欧洲、亚洲和北美洲。

Plants 10-20 cm. Basal leaves usually 2, rarely 1; cauline leaves linear or narrowly so. Flowers 1-2; inner and outer tepals subequal, white, basally mottled with purple. Thickets, slopes, grasslands. Distr. SW, NW, N and NE China; Europe, Asia and North America.

5 西藏洼瓣花

Lloydia tibetica Baker ex Oliv.^[1-4]

1 2 3 4 5 6 7 8 9 10 11 12 2300-4100 m

植株高10~30厘米。基生叶3~10枚，茎生叶2~3枚。花1~5朵；花被片长13~20毫米，黄色，有淡紫绿色脉；内轮花被下部或近基部有鸡冠状褶片。生于山坡或草地上。分布于甘肃南部、西藏南部和东南部、四川西部；山西、湖北、陕西；尼泊尔。

Plants 10-30 cm. Basal leaves 3-10, cauline leaves 2 or 3. 1-5 flowered; tepals 13-20 mm, yellow, purplish green veined; inner tepals crested-lamellar on the lower part or near base. Slopes, grasslands. Distr. S Gansu, S and SE Xizang, W Sichuan; Shanxi, Hubei, Shaanxi; Nepal.



百合科 Liliaceae | 豹子花属 *Nomocharis* Franch.

多年生草本。鳞茎卵形至卵状球形，由多枚肉质鳞片组成。茎直立。茎生叶互生或轮生。花顶生，单生或数朵排列成总状花序；花被片6枚，离生，张开；外轮的一般较狭，有细点或斑块；内轮的较宽大，有斑块或斑点，内面基部中心一短沟两端具蜜腺隆起；雄蕊6枚；花丝下部肉质，圆筒状膨大。8种；均分布于横断山区。

Herbs perennial. Bulb ovoid or ovoid-globose; fleshy scales many. Stem erect. Cauline leaves alternate or whorled. Inflorescence a terminal, 1- to several-flowered raceme; tepals 6, free, spreading; outer ones usually narrow, with small spots or blotches; inner ones with spots or blotches and nectary processes on both sides of a short, median channel at base adaxially; stamens 6; filaments often swollen, fleshy and cylindric proximally. Eight species; all found in HDM.

1 开瓣豹子花

Nomocharis aperta (Franch.) W.W.Sm. & W.E.Evans^[1-4]

— *Nomocharis forrestii* I.B.Balfour.

鳞茎卵形。叶散生，宽披针形至窄披针形。花1~2朵，少有4朵；花被片张开，红色、粉红色，基部具深红色或紫红色斑点，边缘全缘；外轮花被片狭椭圆状、卵形、披针形；内轮花被片宽椭圆形或宽卵形；花丝钻形。蒴果矩圆形，淡褐色。生于阔叶林下、矮竹林下、高山草坡。分布于西藏、四川西南部、云南西北部；缅甸北部。

Bulb ovoid. Leaves alternate, broadly lanceolate to linear-lanceolate. Flowers usually 1-2, rarely 4, tepals spreading, rose or pink, with a deep maroon or purplish crimson blotch at base, margin entire; outer tepals elliptic, ovate, or lanceolate; inner ones broadly elliptic or broadly ovate; filaments subulate. Capsule green-brown, oblong-ovoid. Broad-leaved forests, bamboo scrub, alpine grasslands. Distr. Xizang, SW Sichuan, NW Yunnan; N Myanmar.

2 美丽豹子花

Nomocharis basilissa Farrer ex W.E.Evans^[1-4]

下部叶散生，上部叶轮生，线形至披针形。花1~5朵排列成疏松的总状花序，下垂；花红色或基部带紫黑色；外轮花被片卵状至椭圆状；内轮花被片宽椭圆形或宽椭圆形，基部具2个深紫色的蜜腺隆起，隆起薄的组织边缘呈扇形排列。生于高山矮竹林下或高山草地上。分布于云南西北部；缅甸北部。

Proximal leaves alternate, distal ones whorled, linear to lanceolate. Flowers 1-5, sparsely raceme, nodding; tepals red, sometimes flushed purple or blackish purple basally; outer ones ovate to elliptic; inner ones broadly elliptic or broadly ovate, nectary processes 2, of purplish black, thin flanges of tissue arranged in a fan shape. Alpine bamboo scrub, alpine grasslands. Distr. NW Yunnan; N Myanmar.

3 贡山豹子花

Nomocharis gongshanensis Y.D.Gao et X.J.He^[6]

花浅黄色，内轮花被基部无突起物。生于石质山坡、草坡。分布于云南西北部（贡山）。

Perigone pale yellow and not swellings or flanges on either side at the base of inner tepals. Sunny grassy and bushy slopes on limestone soils. Distr. NW Yunnan (Gongshan).

4 豹子花

Nomocharis pardanthina Franch.^[1-4]

鳞茎卵状球形，高2.5~3.5厘米，直径2~3.5厘米。茎高25~90厘米。叶在同一植株上兼具散生和轮生。花单生，少数有数朵，红色或粉红色；外轮花被片长2.5~3厘米，几无斑点；内轮花被片具疏或密的紫红色斑点，边缘啮蚀状或撕裂状。生于草坡上。分布于云南西北部。

Bulb ovoid-globose, 2.5-3.5 cm long, 2-3.5 cm in diam. Stem 25-90 cm. Some leaves scattered and some whorled within plants. Flowers solitary or rarely several, pink or red; outer tepals 2.5-3 cm, nearly without spots; inner ones densely or laxly spotted or blotched purple-red, margin usually erose or lacerate. Grassy slopes. Distr. NW Yunnan.

