

1. Result

English name on site	Specimen ID	sex J: juvenile (J): juvenile(*1)	Year	Specimen attributes				Observations & Measurements												
				Month	Locality	Locality (original text)	Latest scientific name based on label descriptions	Feather condition	Tail color	vermiculation on flanks, scapulars, and mantle (recorded on the day)	vermiculation on head, scapulars, and mantle (from photos afterwards)	EPT (Exposed Primary-Tips) (*2)	EPT from photos	Primary projection				Emarginations (*2)	Primary length (*2)	
														B/A	A+B	A: Exposed tertials (Unit: mm)	B: Exposed primaries (Unit: mm)			
Brown Shrike	YIO-26159	(J)	1997	9	Ishigaki Island, Japan	沖縄県石垣市登野城, JAPAN (石垣島) 24°20' N, 124°09' E.	<i>Lanius cristatus lucionensis</i> (based on appearance and locality)	OK				head not clear; scapulars vermiculated; mantle nothing; lower back slightly vermiculated	5 (P7-P3)	5	76%	40.5	23	17.5	P8, P7, P6 (clear)	P5<P9<P6
Brown Shrike	YIO-26162	♀ J	1926	9	Sakhalin, Russia	樺太散江郡野頃村	<i>L. c. cristatus</i>	OK	Brown		upperhead, nape clear; scapulars clear; no mantle; back clear	6 (P2-P7, P1 is invisible)	6	94%	38	19.6	18.4	P8, P7, P6	P4<P9<P5	
Brown Shrike	YIO-26173	J	1925	10	Ryojun, South Manchuria, China	南滿洲旅順方家屯	<i>L. c. lucionensis</i>	P4 is growing			head not clear; scapulars partially clear; back (esp lower back) partially clear	7 (P1-P7)	Left: 7, Right: 5?	101%	45.7	22.7	23	P8, P7, P6	P9=P5	
Brown Shrike	YIO-26177	♀ (J)		9	Nanjing, China	支那江蘇省南京後湖	<i>L. c. lucionensis</i>	OK			head not clear at all; scapulars partially clear; rump partially; nothing on back	7 (P1-P7)	-	-	-	-	-	P8, P7, P6	P5<P9<P6	
Brown Shrike	YIO-26180	♂ J	1925	10	Ryojun, South Manchuria, China	南滿洲旅順雙島灣	<i>L. c. confusus</i>	OK	Brown		scapulars partially; rump and uppertail coverts vermiculated; no head and back (photo not clear)	7	-	104%	41.5	20.3	21.2	P8, P7, P6	P4<P9<P5	
Brown Shrike	YIO-26181	♀ J	1925	10	Ryojun, South Manchuria, China	南滿洲旅順方家屯	<i>L. c. confusus</i>	OK	Brown		head not clear or nothing; back partially clear	7	Right: 7 (P8 and P7 are same length) Left: -	94%	47	24.2	22.8	P8, P7, P6	P9=P5	
Brown Shrike	YIO-26182	♂ J	1926	10	Ryojun, South Manchuria, China	南滿洲旅順方家屯	<i>L. c. confusus</i>	OK			head and back not clear; rump and scapulars partially clear	6 (P1-P6)	6	104%	51.1	25.1	26	P8, P7, P6	P9=P5	
Brown Shrike	YIO-26238	♂ J	1932	10	Taiwan	Suiliko Taichiu, Taiwan.	<i>L. c. lucionensis</i>	OK			no head; almost no back; lower back partially clear	6 (P2-P7)	6	76%	53.8	30.6	23.2	P8, P7, P6	P4<P9<P5	
Brown Shrike	YIO-26241	♂ J	1932	11	Taiwan	Suiliko, Taichiu, Taiwan	<i>L. c. lucionensis</i>	OK			nape not clear; no back and scapulars	6 (P2-P7)	Right: 5, Left: 7 (P1-P7)	88%	50.3	26.7	23.6	P8, P7, P6 (not clear)	P5<P9<P6	
Brown Shrike	YIO-26242	♂ J	1932	9	Taiwan	Suiliko, Taichiu, Taiwan	<i>L. c. lucionensis</i>	OK	Brown (blackish)		no head; almost no back; lower back partially clear	7 (P1-P7)	-	100%	47.9	23.9	24	P8, P7 (P6 almost invisible)	P4<P9<P5	
Brown Shrike	YIO-26244	♂ J	1932	11	Taiwan	Suiliko, Taichiu, Taiwan	<i>L. c. lucionensis</i>	OK	Brown		no vermiculation on upper parts	8 (P1-P8)	7 or 8	115%	46.8	21.8	25	P8, P7, P6	P9=P5	
Brown Shrike	YIO-26246	♂ (J)	1940	2	Taiwan	台灣台南州新營郡關子嶺埤頂	<i>L. c. lucionensis</i>	OK	Brown		almost no vermiculation on upper parts; partially on scapulars	7 (P1-P7)	Right: 6?, Left: 7 (P1 is invisible)	99%	54.7	27.5	27.2	P8, P7, P6 (not clear)	P5<P9<P6	
Brown Shrike	YIO-26249	♂ (J)	1940	2	Taiwan	台灣台南州新營郡白水溪	<i>L. c. lucionensis</i>	Some feathers are missing			almost no vermiculation on upper parts; partially on scapulars; uppertail coverts partially clear; partially on scapulars?	-	-	117%	42.6	19.6	23	-	-	
Brown Shrike	YIO-26252	♂		1	Taiwan	台灣台中州南投郡集社	<i>L. c. lucionensis</i>	OK	Brown		nothing, breast vermiculated	7 (P2-P8)	7	91%	49.4	25.8	23.6	P8, P7, P6 (not clear)	P5<P9<P6	
Brown Shrike	YIO-26258	♂ (J)	1927		Taiwan	台灣台南州塩埕庄	<i>L. c. lucionensis</i>	OK	Brown		nothing, tertials are juvenile plumage	6 (P2-P7)	Left: 7 (P1 seems to be visible)	94%	39.2	20.2	19	P8, P7, P6 (not clear)	P9=P5	
Red-backed Shrike	YIO-26279	♂	1935	5	China	Jalamte, N. Manchuria	<i>Lanius isabellinus speculigerus</i>	OK		white primary patch	nothing due to adult	5 (P3-P7)	5	104%	41.2	20.2	21	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26280	♂	1935	5	China	Jalamte, N. Manchuria	<i>L. i. speculigerus</i>	OK		white primary patch	nothing due to adult	6 (P2-P7)	6 (P8 is not visible)	88%	48	25.6	22.4	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26281	♂	1935	5	China	Jalamte, N. Manchuria	<i>L. i. speculigerus</i>	OK			nothing due to adult	7 (P2-P8)	Right: 6, Left: 7 (Left P8 is visible)	127%	46.5	20.5	26	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26282	♂	1935	5	China	Jalamte N. Manchuria	<i>L. i. speculigerus</i>	OK		white primary patch	nothing due to adult	6 (P2-P7)	Right: 6, Left: Some missing	78%	53.5	30	23.5	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26283	♂	1935	5	China	Jalamte N. Manchuria	<i>L. i. speculigerus</i>	OK			nothing due to adult	6 (P2-P7)	6	114%	52.5	24.5	28	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26284	♀	1935	5	China	Jalamte, N. Manchuria.	<i>L. i. speculigerus</i>	OK		white primary patch	nothing due to adult	5 (P3-P7)	5	77%	50.5	28.5	22	P8, P7, P6 (not clear)	P5<P9<P6	
Red-backed Shrike	YIO-26285	♀	1935	5	China	Jalamte, N. Manchuria.	<i>L. i. speculigerus</i>	OK		white primary patch	nothing due to adult	6 (P3-P8)	Right: 5-6, Left: 5	90%	44.4	23.4	21	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26286	♀	1935	5	China	Jalamte, N. Manchuria.	<i>L. i. speculigerus</i>	Some feathers are missing			nothing due to adult	-	-	-	-	-	-	-	-	
Red-backed Shrike	YIO-26287	♂	1935	5	China	Jalamte N. Manchuria	<i>L. i. speculigerus</i>	OK	Brown	white primary patch	nothing due to adult	6 (P2-P7)	Left: 7 (P2-P8)	90%	54.6	28.8	25.8	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26288	♀	1935	5	China	Jalamte, N. Manchuria.	<i>L. i. speculigerus</i>	OK	Brown	white primary patch	nothing due to adult	6 (P2-P7)	5 or 6	112%	41.6	19.6	22	P8, P7, P6	P5<P9<P6	
Red-backed Shrike	YIO-26289	♂	1935	5	China	Jalamte N. Manchuria.	<i>L. i. speculigerus</i>	OK	Brown	white primary patch	nothing due to adult	6 (P2-P7)	6	118%	44.4	20.4	24	P8, P7, P6	P9<P6	
Red-backed Shrike	YIO-26294	♂ J	1922		Italy	Sesto Fiorentino, nr. Florence, Tuscany, Italy Sesto Foren	<i>Lanius collurio</i>		Brown, Black sub terminal band on under tail	vermiculation exists	back and scapulars clear	8	8	150%	60.8	24.3	36.5	P8, P7	P6<P9<P7	
Red-backed Shrike	YIO-26295	♂	1922		Italy	Rome, Italy	<i>Lanius collurio</i>		Black		nothing due to adult	8	8 (photo is not clear though)	111%	61.4	29.1	32.3	P8, P7	P6<P9<P7	
Red-backed Shrike	YIO-26296	♂ J	1922	10	England	Cley, Norfolk	<i>L. c. collurio</i>	P8 is truncated	Brown, Black sub terminal band on under tail	vermiculation exists	back and uppertail coverts partially clear	7 (P2 and P8 are difficult to see)	-	107%	44.5	21.5	23	P8, P7	P9=P6	
Red-backed Shrike	YIO-26300	♂			England	Norfolk	<i>Lanius collurio</i>	OK	Black			7 (P8 is difficult to see)	6 or 7	154%	44.5	17.5	27	P8, P7	P9=P6	

(*1) J is based in label description, (J) is based on photos.

(*2) Feathers are counted from inside (the outermost primary is P10).

2. Summary

Scientific name	N	Emarginations	Primary length	av. min-max of EPT	EPT on references	av of PP	min-max of PP
<i>Lanius collurio</i>	4	P8 and P7 in all individuals	P9>P6 (N=2), P9=P6 (N=2).	7.5, 7-8	less than 7 or 8 is rare (Worfolk 2000); 6-7(8) (van Duivendijk 2011)	131%	107%-154%
<i>Lanius cristatus</i>	14	P8, P7, and P6 in all individuals	P9<P6(N=14), P9=P5 (N=5), P4<P9<P5 (N=4)	6.6, 5-8	Often 4 (Worfolk 2000). Usually 5-6 (van Duivendijk 2011)	97%	76%-117%
<i>L. c. lucionensis</i>	10	P8, P7, and P6 in all individuals. P6 of 5 individuals are not clear.	P9<P6(N=10), P9=P5 (N=3), P4<P9<P5 (N=2)	6.6, 5-8		96%	76%-117%
<i>L. c. confusus</i>	3	P8, P7, and P6 in all individuals	P9<P6(N=3), P9=P5 (N=2), P4<P9<P5 (N=1)	6.7, 6-7		101%	94%-104%
<i>L. c. cristatus</i>	1	P8, P7, and P6 in all individuals	P4<P9<P5 (N=1)	6, 6-6		94%	94%-94%
<i>L. i. speculigerus</i>	10	P8, P7, and P6 in all individuals. P6 of a individual is not clear.	P5<P9<P6 (N=10)	5.9, 5-7	Often 6. P7 and P8 is almost same length in <i>phoenicuroides</i> and <i>isabellinus</i> . 5 in <i>arenarius</i> (Worfolk 2000); 6-7, sometimes 5 (van Duivendijk 2011).	100%	77%-127%

3. Date & Place

2013/11/19 13:00-17:00

Yamashina Institute for Ornithology

Worfolk T 2000: Identification of red-backed, isabelline and brown shrikes. Dutch Birding 22: 323-362. van Duivendijk N 2011: Advanced Bird ID Handbook: The Western Palearctic. New Holland, London.