

Table S1. Chronological listing of the paintings.

* Accession numbers indicate paintings from the NGS collection. Titles without the accession numbers are from Liu family collection.

** NGS – National Gallery Singapore, LF – Liu family

Painting number	Title and inventory number*	Date	Owner**	Dimensions H × W (cm)	Primary support	Painted on an earlier composition	Painted on a reverse side
1	<i>Nude</i>	1927	LF	45 × 60	Cotton canvas	Yes	
2	<i>St Gingolph, Lac Leman, Switzerland</i>	1929	LF	45.5 × 37.5	Linen canvas		
3	<i>My room in Paris</i>	1929	LF	54 × 45.5	Linen canvas		
4	<i>Zuo La Lu</i> , 1993-00998	1930	NGS	46 × 55	Linen canvas	Yes	
5	<i>Autumn colours</i> , GI-0255 (PC)	1930	NGS	38.3 × 45.3	Linen canvas	Yes	
6	<i>Countryside in France</i> , 2003-03365	1930	NGS	46 × 54.7	Linen canvas		
7	<i>Landscape in Switzerland</i> , P-1229	1930	NGS	45.6 × 55.7	Linen canvas		
8	<i>Street scene in France</i> , 2003–03366	1930	NGS	46 × 54.6	Linen canvas	Yes	
9	<i>Farmer's house</i> , GI-0254-(PC)	1930	NGS	45.5 × 53.5	Linen canvas		
10	<i>Landscape</i>	1930	LF	46 × 38	Linen canvas		
11	<i>French countryside</i>	1930	LF	46 × 54.5	Linen canvas		
12	<i>Cottage with blue shutters, France</i>	1930	LF	46 × 54.5	Linen canvas		Yes
13	<i>Portrait of a man with his hat, Belgium</i>	1930	LF	55 × 45	Linen canvas	Yes	
14	<i>Autumn landscape</i>	1930	LF	38.5 × 46	Linen canvas		
15	<i>Man in blue coat, Paris</i>	1930	LF	46 × 37	Linen canvas		
16	<i>Village street, France</i>	1930	LF	46 × 55.5	Linen canvas	Yes	
17	<i>Village scene</i> , 2003-03320	1931	NGS	46 × 55	Linen canvas		
18	<i>Slope</i> , 2003-03319	1931	NGS	46 × 55	Linen canvas		Yes
19	<i>French lady</i> , 1993-00996	1931	NGS	60.7 × 45.8	Linen canvas		
20	<i>Boat near the cliff</i> , 2003-03249	1931	NGS	53.7 × 72.4	Linen canvas		
21	<i>Winter</i> , GI-0256	1931	NGS	46 × 55	Linen canvas	Yes	
22	<i>Still life with books, Paris</i>	1931	LF	45 × 38	Linen canvas		
23	<i>Portrait of a man with his pipe, Paris</i>	1931	LF	45 × 38	Linen canvas		Yes
24	<i>Self-portrait</i>	1931	LF	55 × 46	Linen canvas		Yes
25	<i>Self-portrait in Paris</i>	1931	LF	61 × 46	Linen canvas	Yes	
26	<i>Boats, Etretat</i>	1931	LF	46 × 55	Linen canvas	Yes	
27	<i>Still life</i>	1931	LF	38.5 × 46	Linen canvas		Yes
28	<i>Breakfast</i> , GI-0257 (PC)	1932	NGS	46 × 54	Linen canvas	Yes	
29	<i>Seafood</i> , 2003-03250	1932	NGS	46 × 55	Linen canvas	Yes	
30	<i>My landlady, Madame Normand</i>	1932	LF	54 × 45	Linen canvas		
31	<i>Street</i>	1932	LF	46 × 39	Linen canvas		
32	<i>Working at the fields</i> , 2003-03258	1933	NGS	49.5 × 64	Cotton canvas		
33	<i>Countryside in China</i> , 2003-03299	1933	NGS	60.5 × 72	Cotton canvas		
34	<i>Red and white walls</i>	1933	LF	55 × 45.5	Cotton canvas		
35	<i>Courtyard with tree</i>	1933	LF	55.5 × 45.5	Cotton canvas		
36	<i>Countryside landscape</i>	1933	LF	45 × 54.5	Cotton canvas		
37	<i>Autumn countryside</i>	1933	LF	45.5 × 54.5	Cotton canvas		
38	<i>Farmhouse and field</i>	1933	LF	60 × 72.5	Cotton canvas		
39	<i>Pagoda near Shanghai</i>	1933	LF	73 × 59	Cotton canvas		
40	<i>Courtyard, Shanghai</i>	1933	LF	73 × 60	Cotton canvas		
41	<i>Still life with green stool</i>	1933	LF	56 × 46	Linen canvas	Yes	
42	<i>Backyard</i> , 2003-03252	1934	NGS	59.5 × 72.5	Linen canvas	Yes	
43	<i>Chinese house</i> , 2003-03328	1934	NGS	64.5 × 50.5	Linen canvas		
44	<i>Nude</i>	1934	LF	45.5 × 55	Cotton canvas	Yes	
45	<i>Countryside near Shanghai</i>	1934	LF	46 × 54	Cotton canvas		
46	<i>Village lane</i>	1934	LF	45 × 54	Cotton canvas	Yes	
47	<i>Farmhouses</i>	1934	LF	45 × 54	Cotton canvas		
48	<i>Rustic landscape</i>	1934	LF	54 × 46	Cotton canvas	Yes	
49	<i>Pagoda</i>	1935	LF	45 × 55	Cotton canvas	Yes	
50	<i>Seascape near Shanghai</i>	1935	LF	65 × 50	Cotton canvas	Yes	
51	<i>Waterfall</i> , 2003-03247	1936	NGS	65 × 50	Linen canvas	Yes	
52	<i>Mount Huangshan</i> , 2003–03369	1936	NGS	66 × 50	Cotton canvas	Yes	
53	<i>Seaside</i> , 2003-03318	1936	NGS	45 × 54	Linen canvas	Yes	
54	<i>Nude</i> , 2003-03367	1936	NGS	46 × 54.5	Cotton canvas	Yes	
55	<i>House on the hill</i>	1936	LF	64 × 49	Linen canvas		
56	<i>Street market I</i>	1936	LF	45 × 54.5	Linen canvas	Yes	
57	<i>Street market II</i>	1936	LF	46 × 55	Cotton canvas	Yes	
58	<i>Seaside near Shanghai</i>	1936	LF	46 × 55	Linen canvas		
59	<i>Seascape</i>	1936	LF	50 × 64	Cotton canvas	Yes	
60	<i>Portrait of C.Y. Hwang</i> , P1228	1939	NGS	61 x 46.4	Hardboard		
61	<i>Nude</i>	1940	LF	38.5 × 46	Linen canvas	Yes	
62	<i>Malay man</i> , 2003-03244	1942	NGS	94 × 73	Linen canvas	Yes	
63	<i>Bathing in the river</i> , 2003-03291	1947	NGS	126.5 × 86.5	Linen canvas		
64	<i>Climbing the hill</i> , 2003-03298	1948	NGS	75 × 61	Cotton canvas	Yes	

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Table S3. Summary of the materials found in the paint mixtures.

* Accession numbers indicate paintings from the NGS collection. Titles without the accession numbers are from Liu family collection.

Title and inventory number*	Date	Ultramarine	Prussian blue	Cobalt blue	Cerulean blue	Cobalt violet	Manganese blue	Phthalocyanine blue	Viridian	Emerald green	Phthalocyanine green	Cr-containing yellow	Cobalt yellow	Cd-containing yellow	Cd-containing orange	Hansa yellow G	Hansa yellow 10G	Fe-containing yellow earth	Umber	Fe-containing red earth	Naphthol red AS-D	Alizarin crimson	Synthetic alizarin lake	Brazilwood	Hansa red	Geranium lake	Other organic red	Cd-containing red	Chalk	Lead white	Zinc white	Barium white	Lithopone	Titanium white	Bone black	Carbon black	Starch	Zn soap	Pb soap	
Nude	1927	x							x	x		x						x	x								x			x	x	x	x		x					
Zuo La Lu, 1993-00998	1930	x	x						x			x		x				x		x														x						
Autumn colours, GI-0255 (PC)	1930	x	x						x			x						x	x	x									x	x	x			x						
Countryside in France, 2003-03365	1930	x	x						x			x						x									x			x	x			x		x				
Landscape in Switzerland, P-1229	1930	x	x						x	x		x	x	x				x		x							x		x		x	x		x		x	x			
Village scene, 2003-03320	1931	x	x						x			x						x		x							x		x	x				x	x	x				
French lady, 1993-00996	1931	x	x	x					x	x		x						x																x	x			x		
Boat near the cliff, 2003-03249	1931	x	x	x					x			x		x				x	x							x				x	x				x					
Breakfast, GI-0257 (PC)	1932		x						x			x						x		x							x		x	x				x		x				
Seafood, 2003-03250	1932		x						x	x		x					x	x				x		x	x				x	x				x		x				
Working at the fields, 2003-03258	1933	x	x						x			x						x	x										x	x	x	x	x					x		
Countryside in China, 2003-03299	1933	x	x						x	x		x						x		x									x	x									x	
Backyard, 2003-03252	1934	x	x						x			x		x				x		x									x	x	x	x	x					x		
Chinese house, 2003-03328	1934	x	x						x			x						x	x															x				x		
Nude	1934	x							x									x											x			x	x	x		x		x		
Waterfall, 2003-03247	1936	x	x						x			x						x		x									x	x	x	x	x	x						
Seaside, 2003-03318	1936	x	x						x			x						x	x												x								x	
Nude, 2003-03367	1936	x	x						x			x		x				x		x								x												
Nude	1940	x	x						x			x		x	x			x	x									x		x	x	x	x	x	x			x		
Climbing the hill, 2003-03298	1948	x	x						x			x						x												x	x	x	x							
View from St John's Fort	1948	x	x						x			x						x											x	x	x	x	x							
Village, 2003-03270	1950	x	x						x	x		x		x	x			x		x			x					x		x	x									
Kampong scene, 2003-03245	1951	x	x						x			x		x				x	x	x			x					x							x					
Orchids, 2003-03379	1952	x	x						x	x		x		x				x	x																					
Government Office in Johore Bahru, 2003-03300	1953	x	x	x	x				x			x		x				x	x	x								x							x			x		
Scene in Bali, 2003-03333	1953	x	x				x		x			x	x	x				x										x	x	x	x	x								
Offerings, 2003-03269	1953	x	x						x			x		x	x			x										x	x	x	x	x	x					x		
Outdoor painting, 2003-03290	1954	x	x						x		x	x		x				x										x												
Painting kampong, 2003-04149	1954							x	x					x					x								x	x							x					
Boats, 2003-03275	1956	x	x						x			x		x				x		x							x	x	x		x	x	x	x						
Char Siew seller, 2003-03311	1958	x	x								x	x	x	x				x			x									x	x	x	x	x				x		
Johor Bahru, P-0591	1962	x							x			x		x				x										x												
National day, 2003-03280	1967	x	x								x			x					x	x																				
Outdoor painting, 2003-03337	1968	x	x			x			x					x				x																						
Mountain, 2003-03246	1977	x	x						x			x								x	x							x				x	x	x	x				x	

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