Supplemental Material:

Attribute preserving gamut mapping of measured BRDFs

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Contents

A   Full results for MERL database

In this section we include the full results of our algorithm on the MERL database.

Figure S.1: *Results of our algorithm on the MERL database*
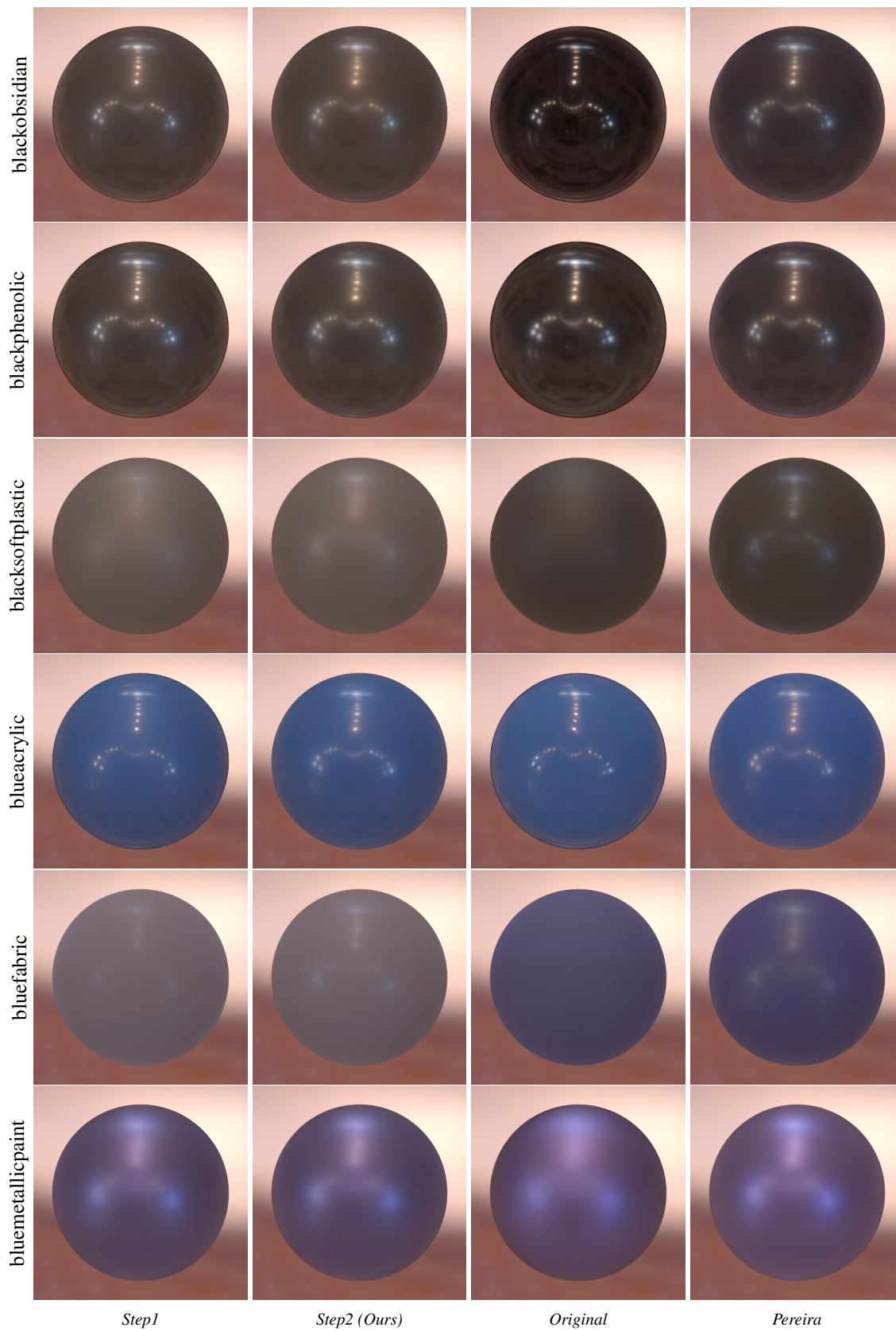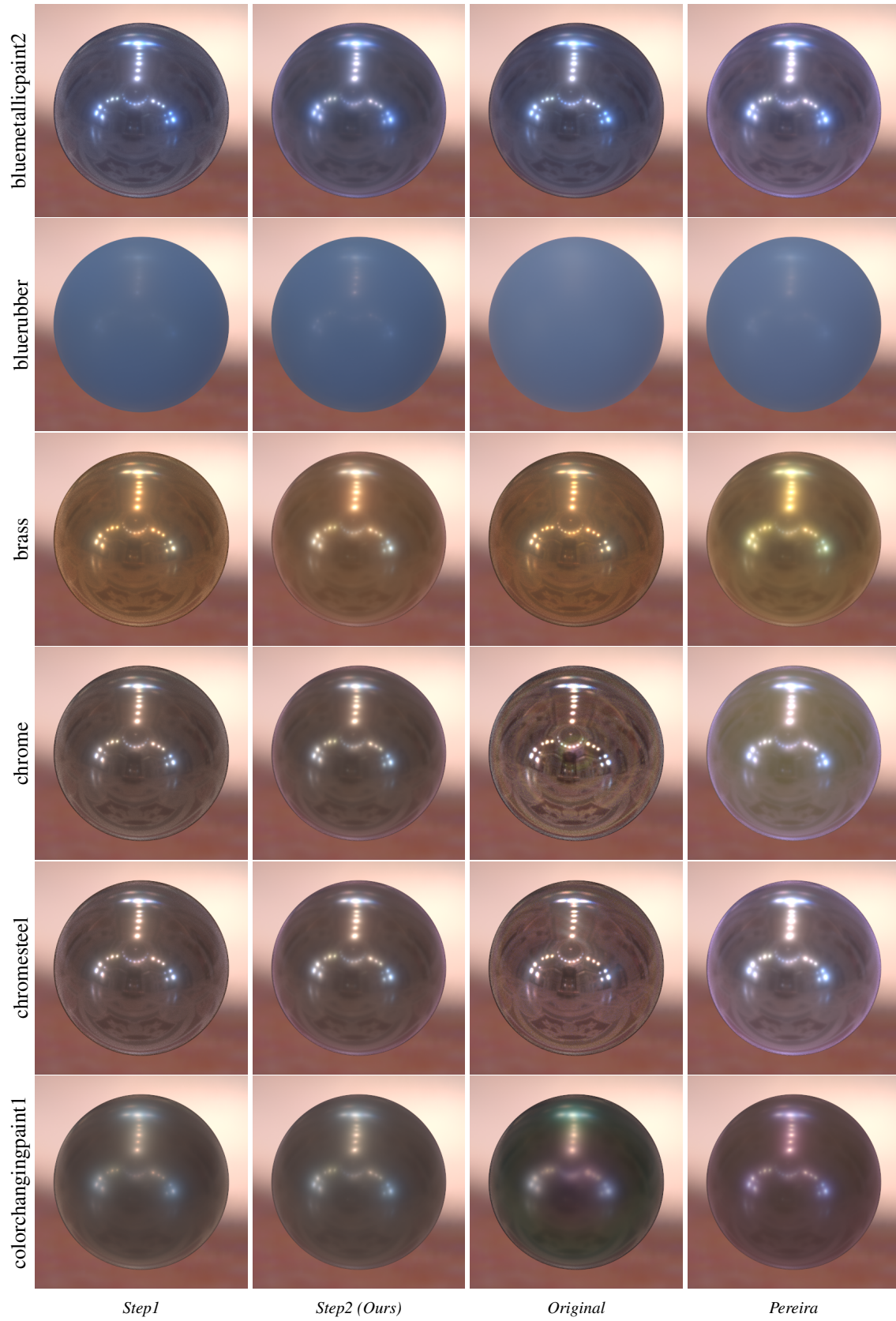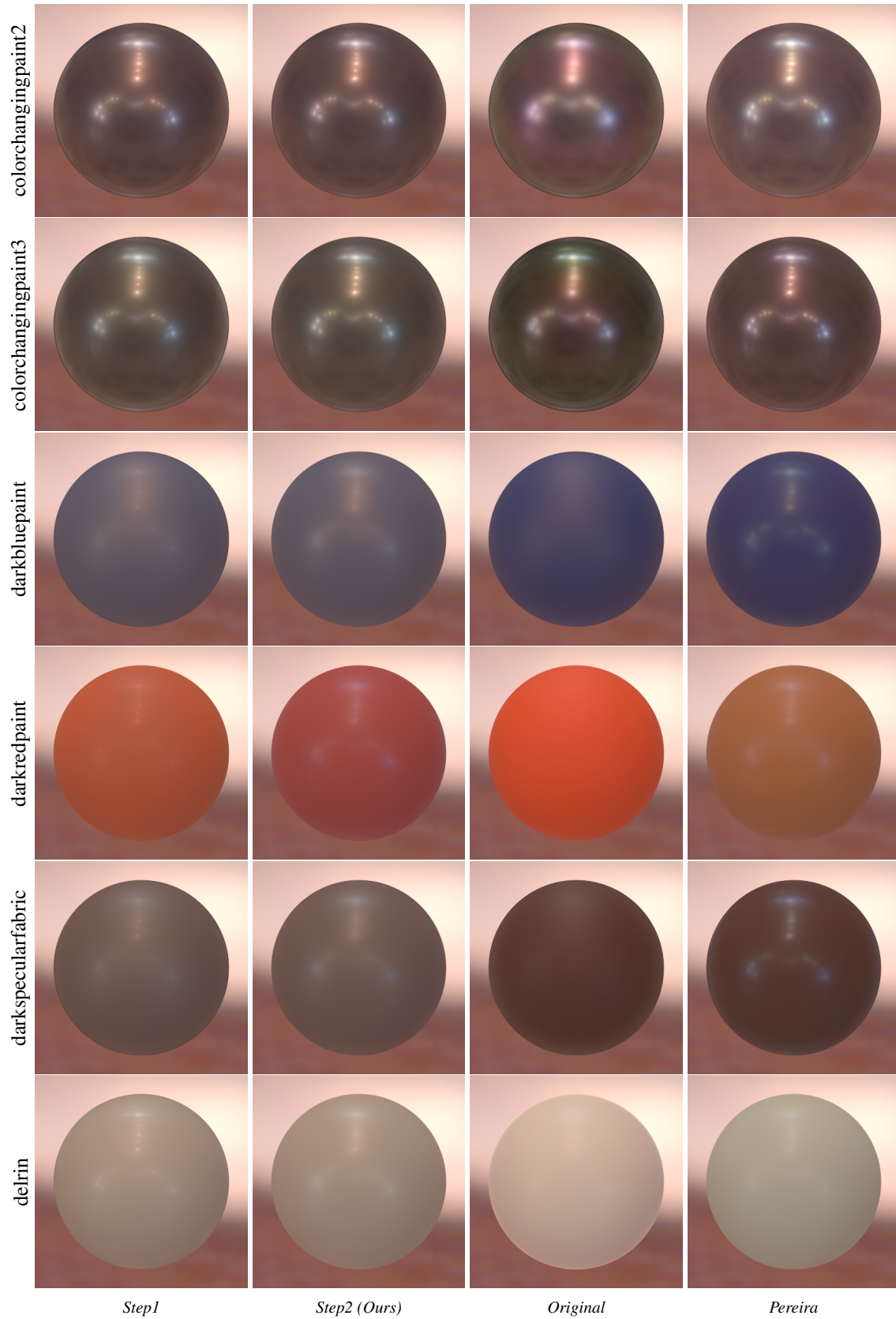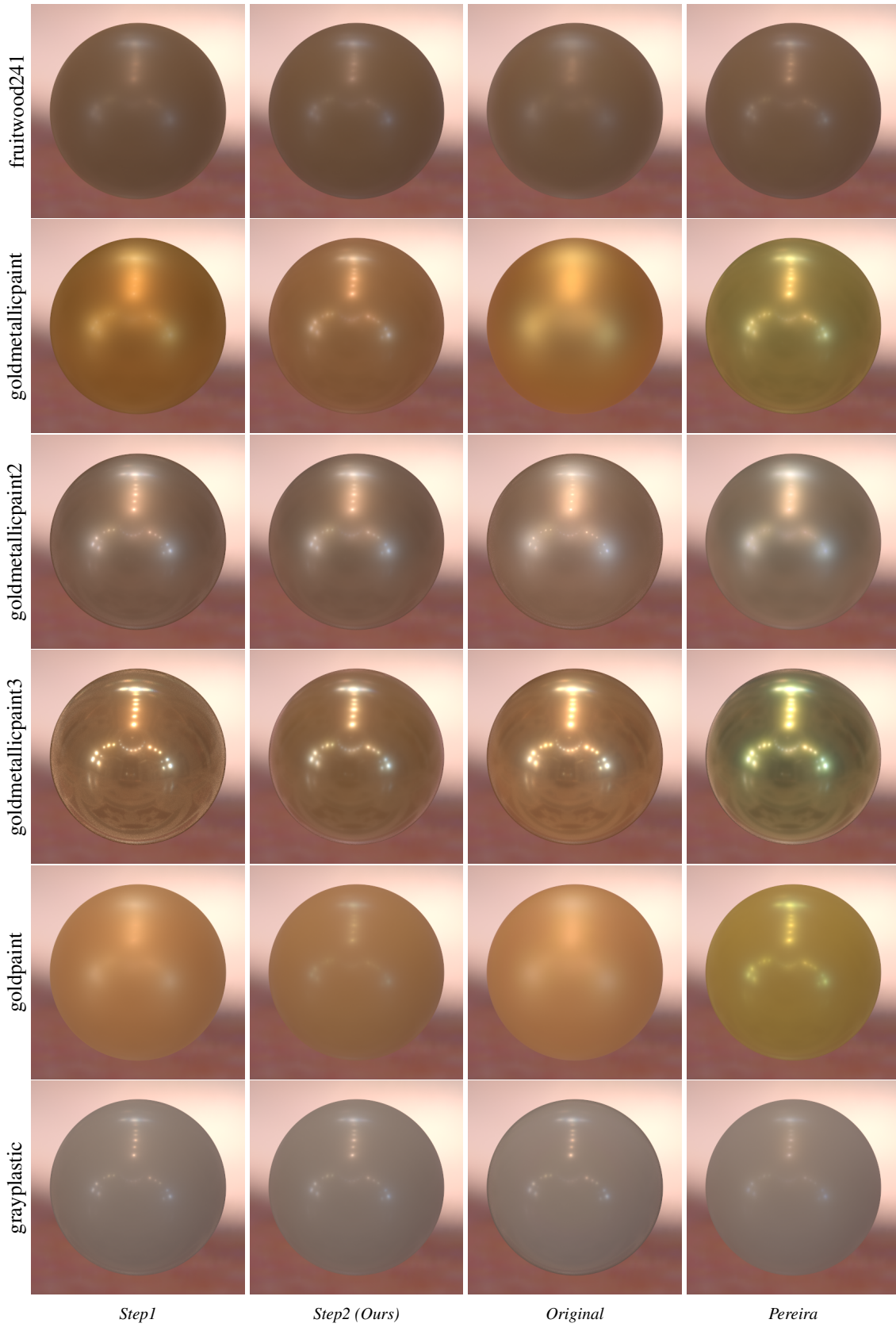
Figure S.2: *Results of our algorithm on the MERL database*

Step1   Step2 (Ours)   Original   Pereira

Figure S.3: *Results of our algorithm on the MERL database*

Step1	*Step2 (Ours)*	*Original*	*Pereira*

Figure S.4: *Results of our algorithm on the MERL database*

Step1	*Step2 (Ours)*	*Original*	*Pereira*

Figure S.5: *Results of our algorithm on the MERL database*

	Step1	Step2 (Ours)	Original	Pereira
fruitwood241				
goldmetallicpaint				
goldmetallicpaint2				
goldmetallicpaint3				
goldpaint				
grayplastic				

Figure S.6: *Results of our algorithm on the MERL database*

| greasecoveredsteel | greenacrylic | greenfabric | greenlatex | greenmetallicpaint | greenmetallicpaint2 |

| *Step1* | *Step2 (Ours)* | *Original* | *Pereira* |
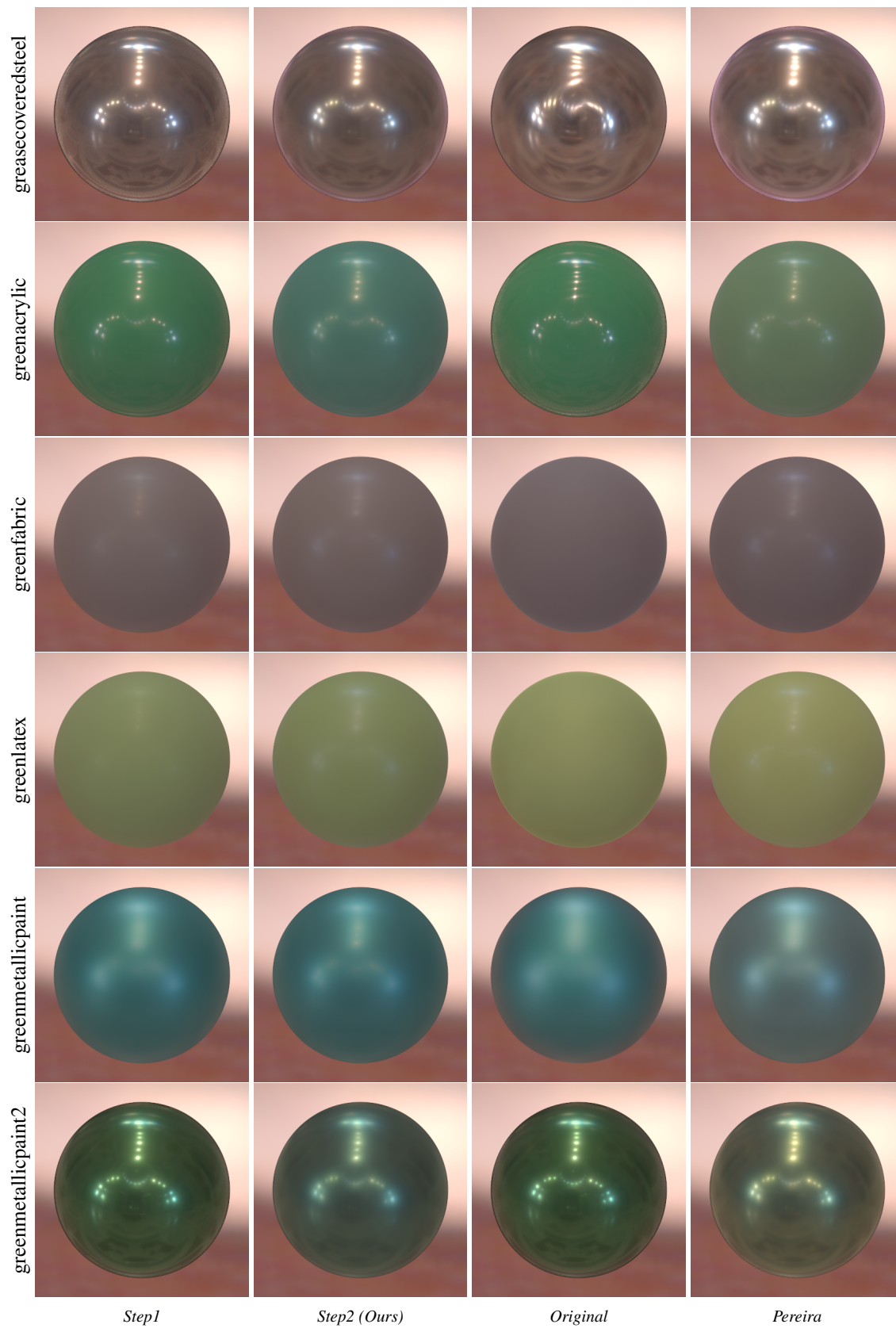
Figure S.7: *Results of our algorithm on the MERL database*

Step1	*Step2 (Ours)*	*Original*	*Pereira*
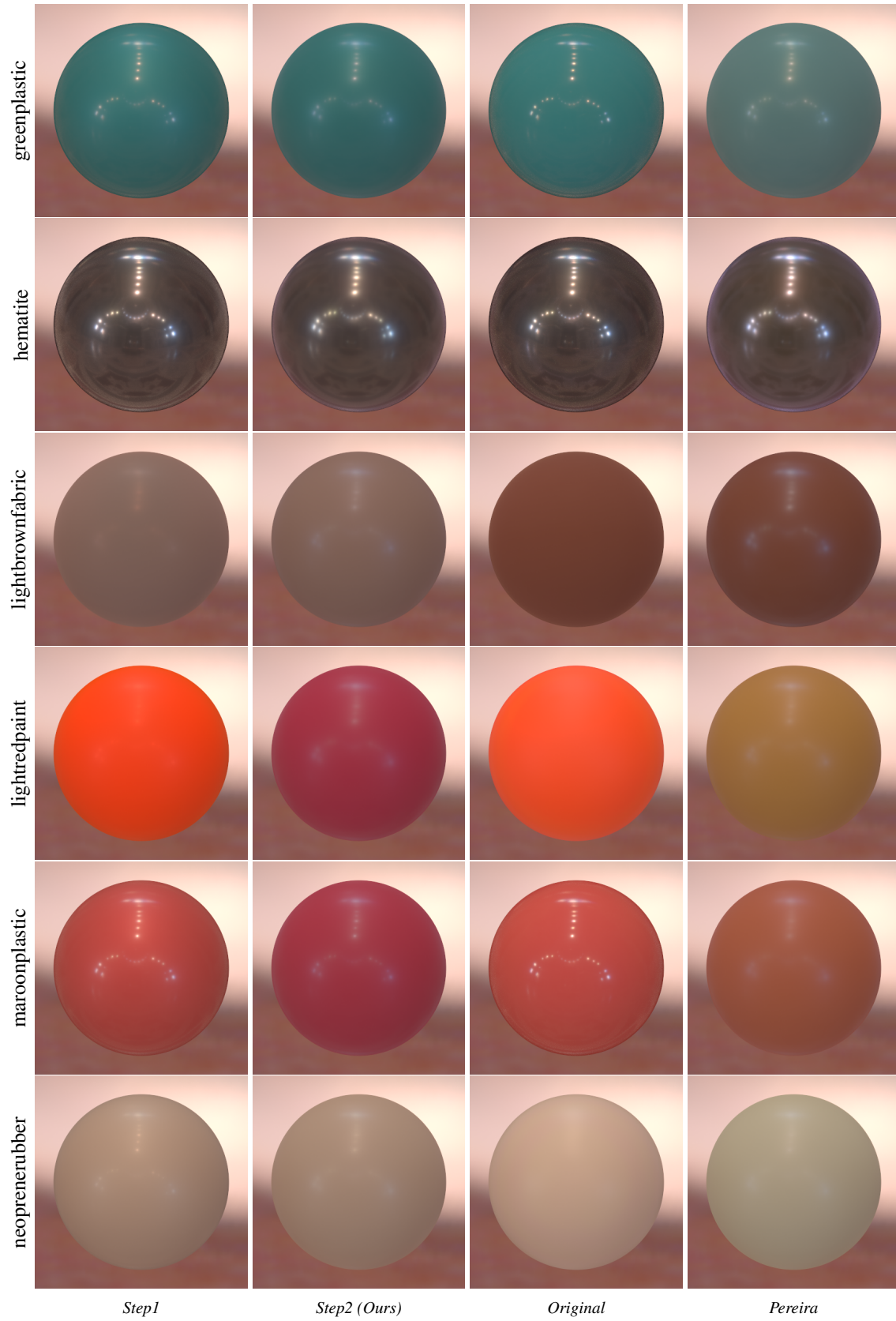
Figure S.8: *Results of our algorithm on the MERL database*
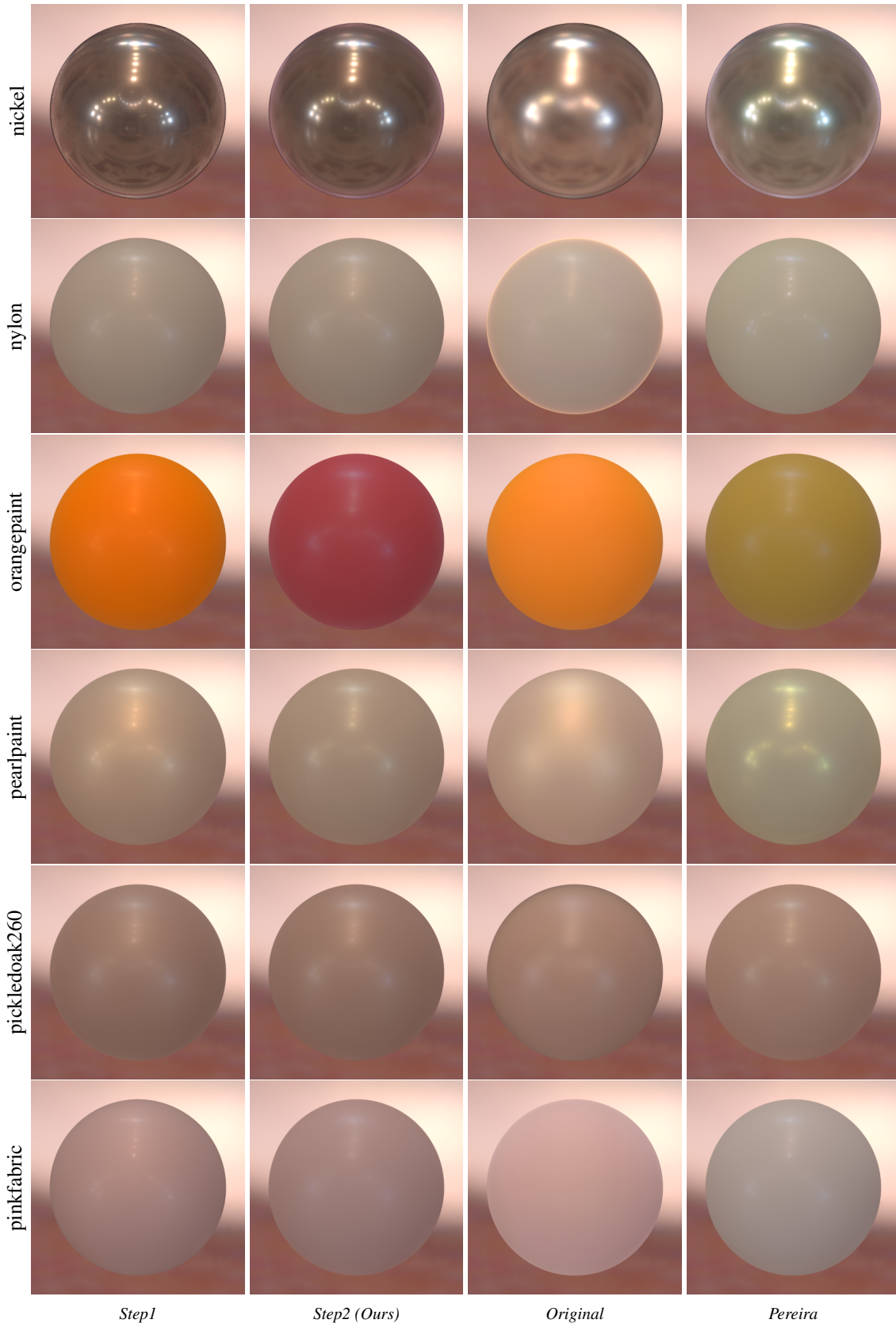
Figure S.9: *Results of our algorithm on the MERL database*

pinkfabric2

pinkfelt

pinkjasper

pinkplastic

polyethylene

polyurethanefoam

Step1 *Step2 (Ours)* *Original* *Pereira*
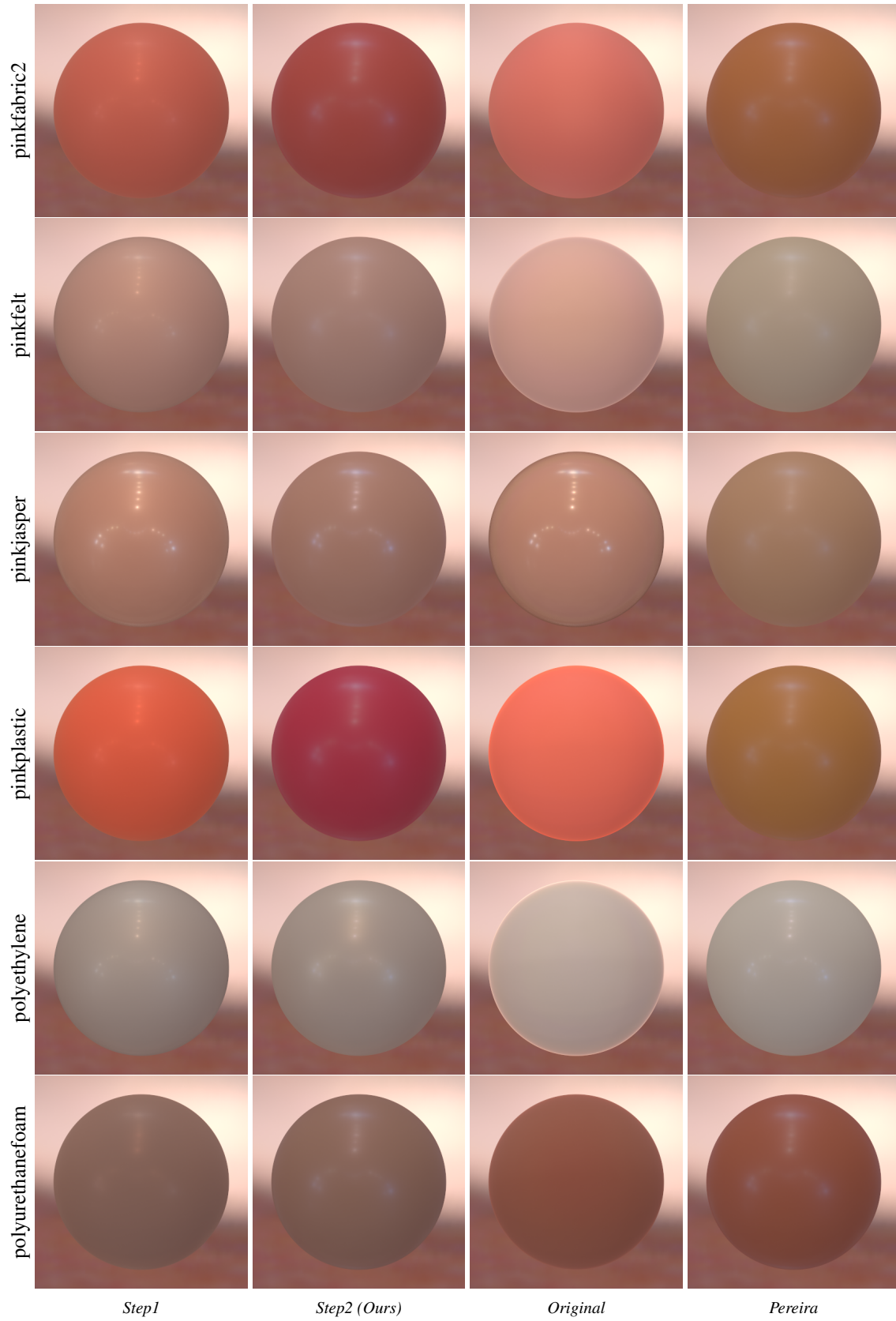
Figure S.10: *Results of our algorithm on the MERL database*
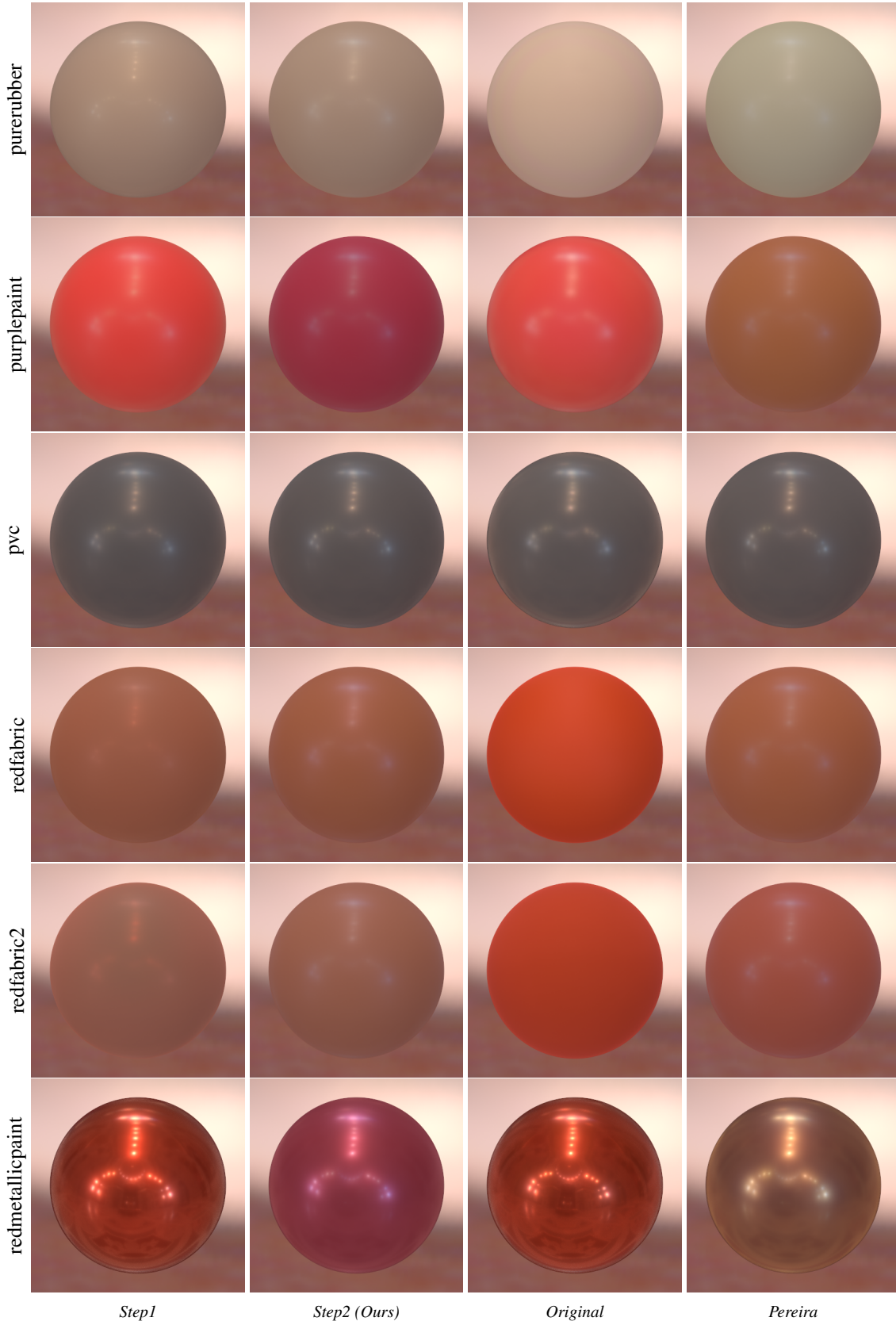
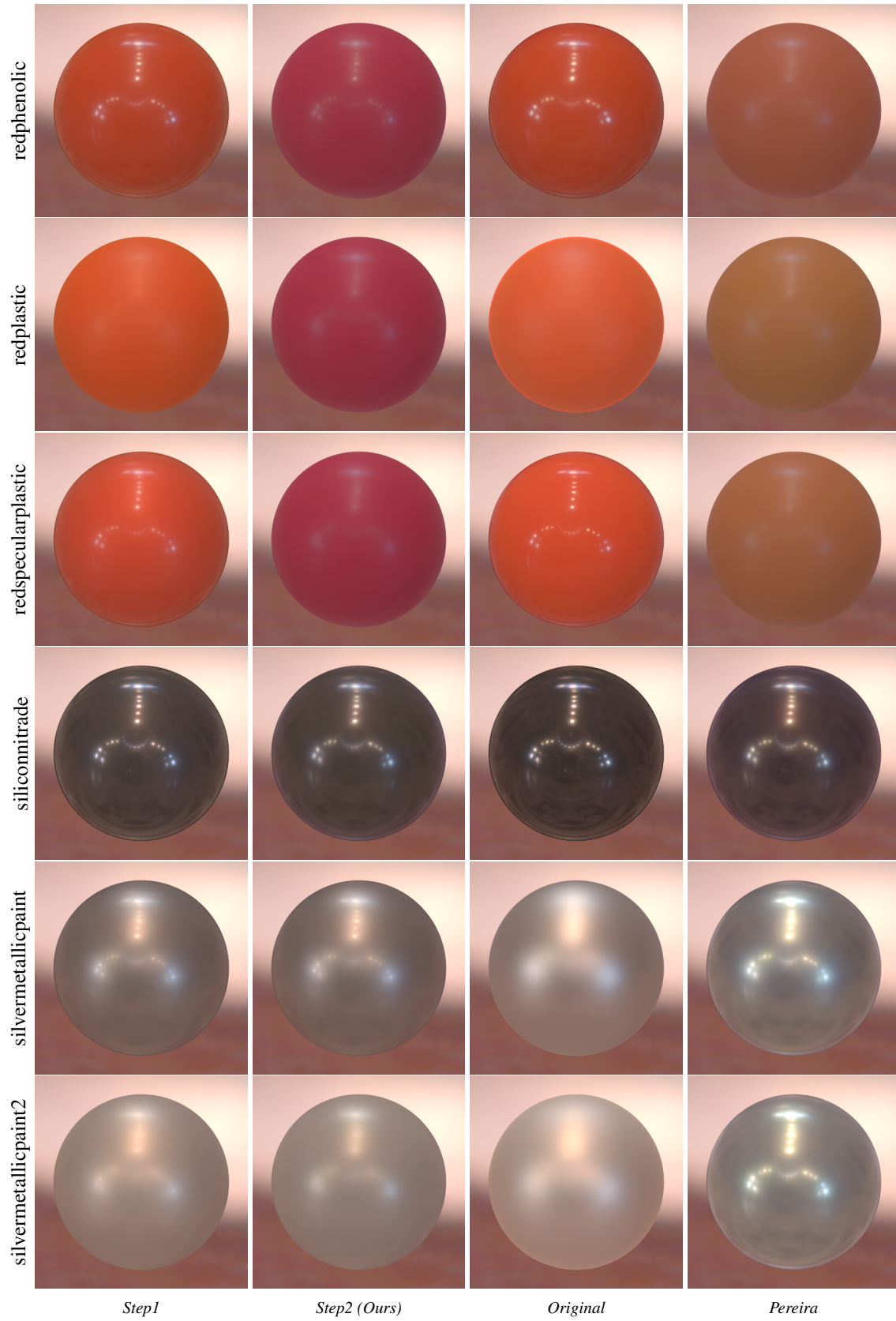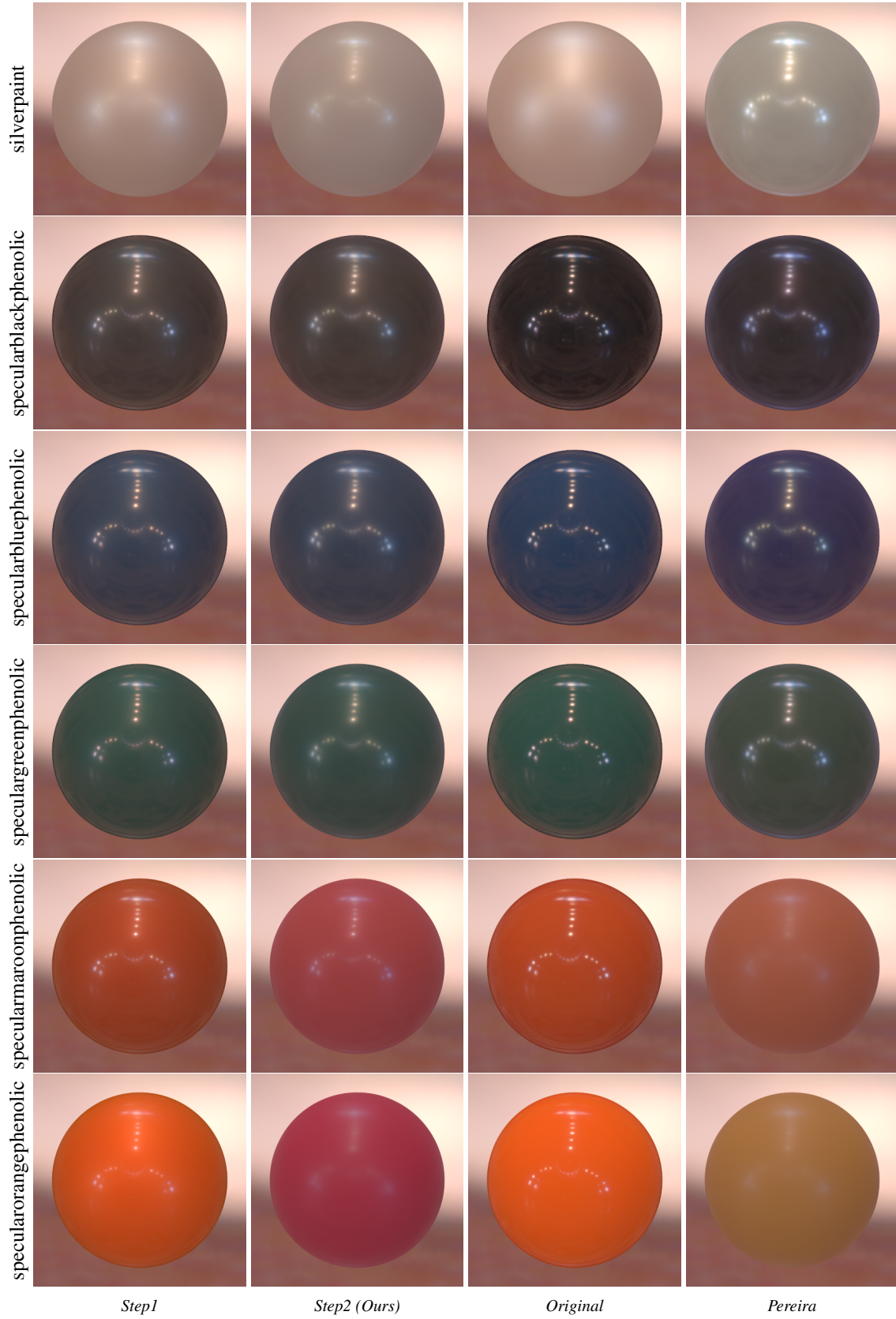**Figure S.11:** *Results of our algorithm on the MERL database*

Step1   Step2 (Ours)   Original   Pereira

Figure S.12: *Results of our algorithm on the MERL database*

silverpaint

specularblackphenolic

specularbluephenolic

speculargreenphenolic

specularmaroonphenolic

specularorangephenolic

Step1　　　*Step2 (Ours)*　　　*Original*　　　*Pereira*

Figure S.13: *Results of our algorithm on the MERL database*
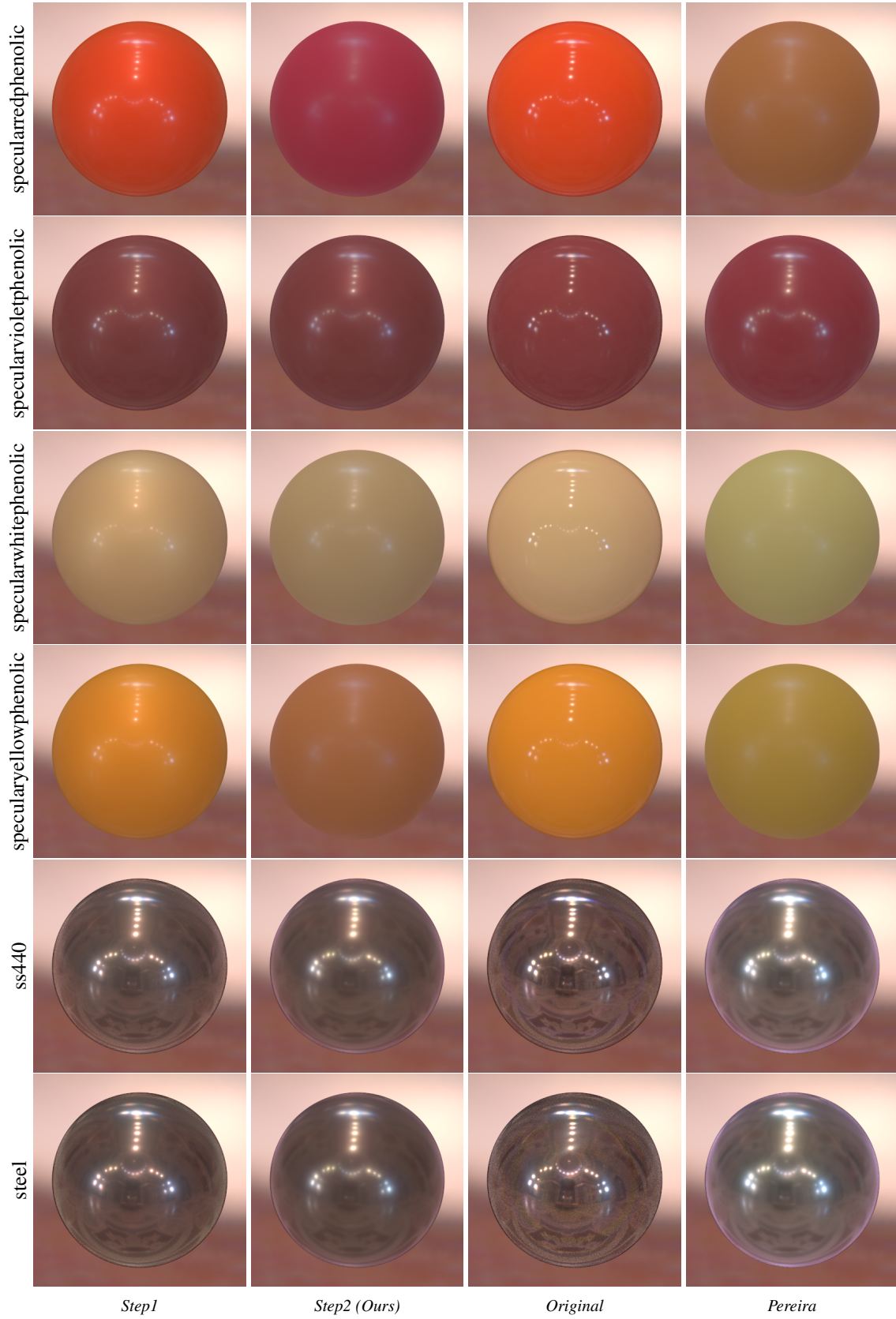
Step1   Step2 (Ours)   Original   Pereira

Figure S.14: *Results of our algorithm on the MERL database*

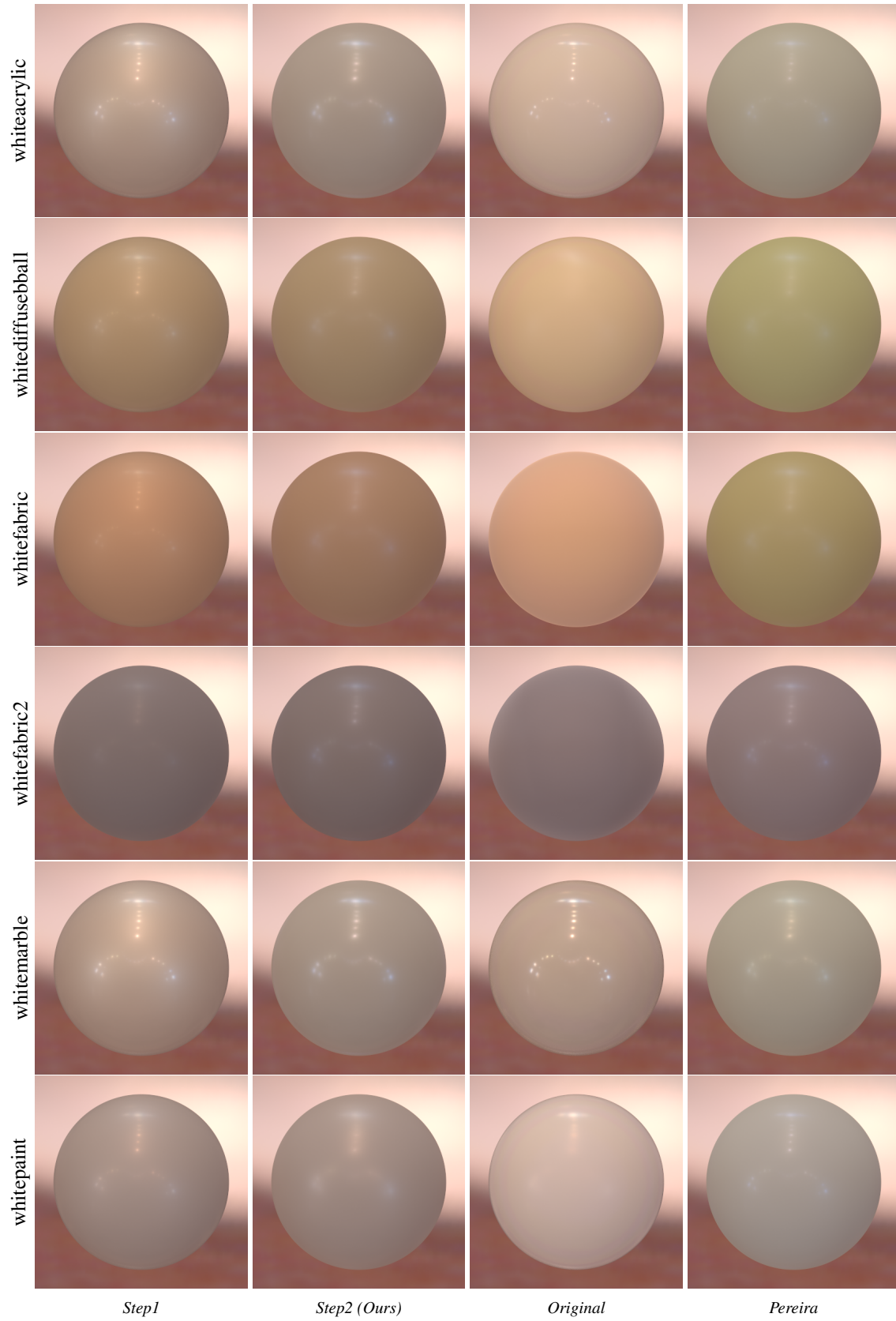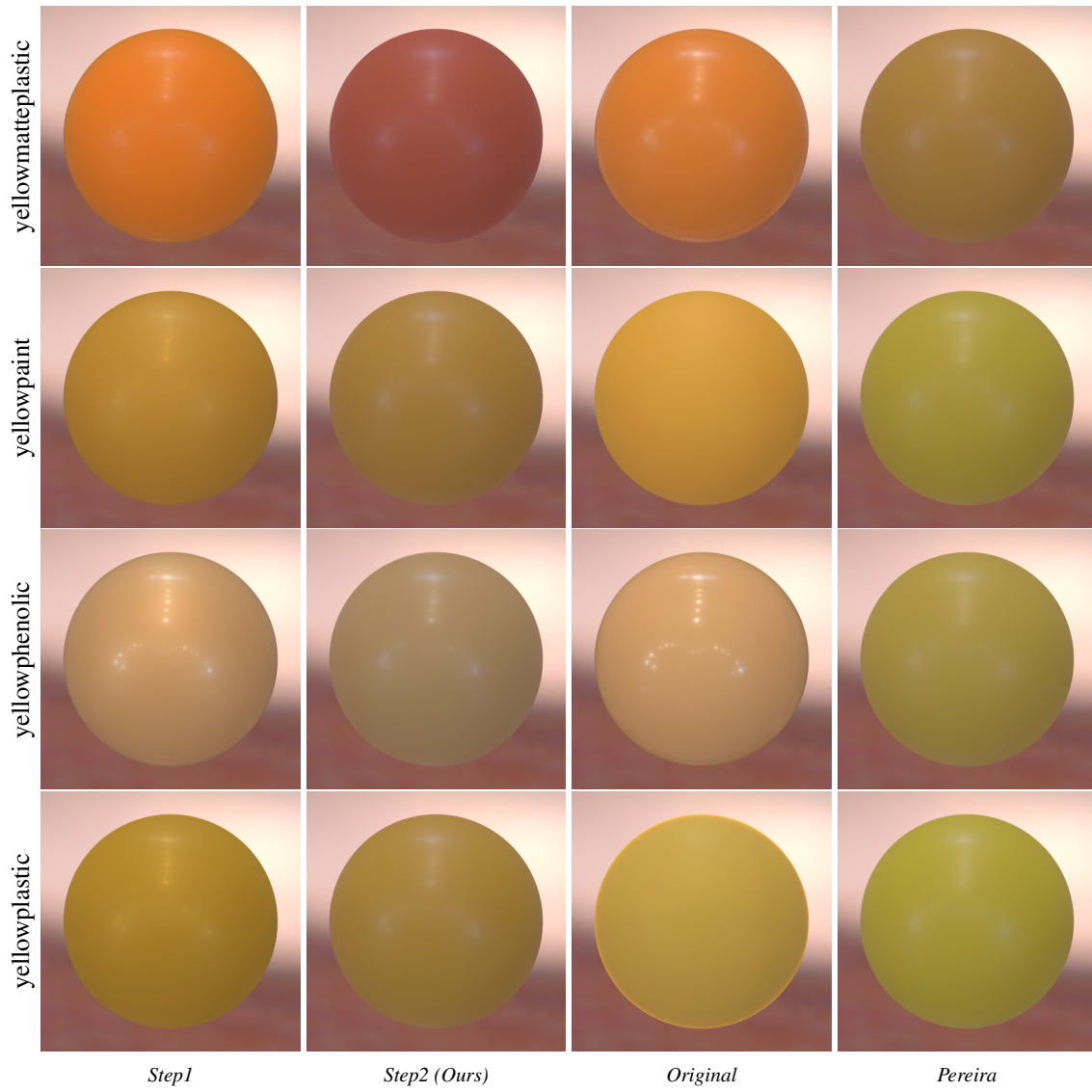**Figure S.15:** *Results of our algorithm on the MERL database*

whiteacrylic

whitediffusebball

whitefabric

whitefabric2

whitemarble

whitepaint

Step1   *Step2 (Ours)*   *Original*   *Pereira*

Figure S.16: *Results of our algorithm on the MERL database*

| | *Step1* | *Step2 (Ours)* | *Original* | *Pereira* |

B Full set of results used in the user study

In this section, we show all the stimuli we used in the user study.
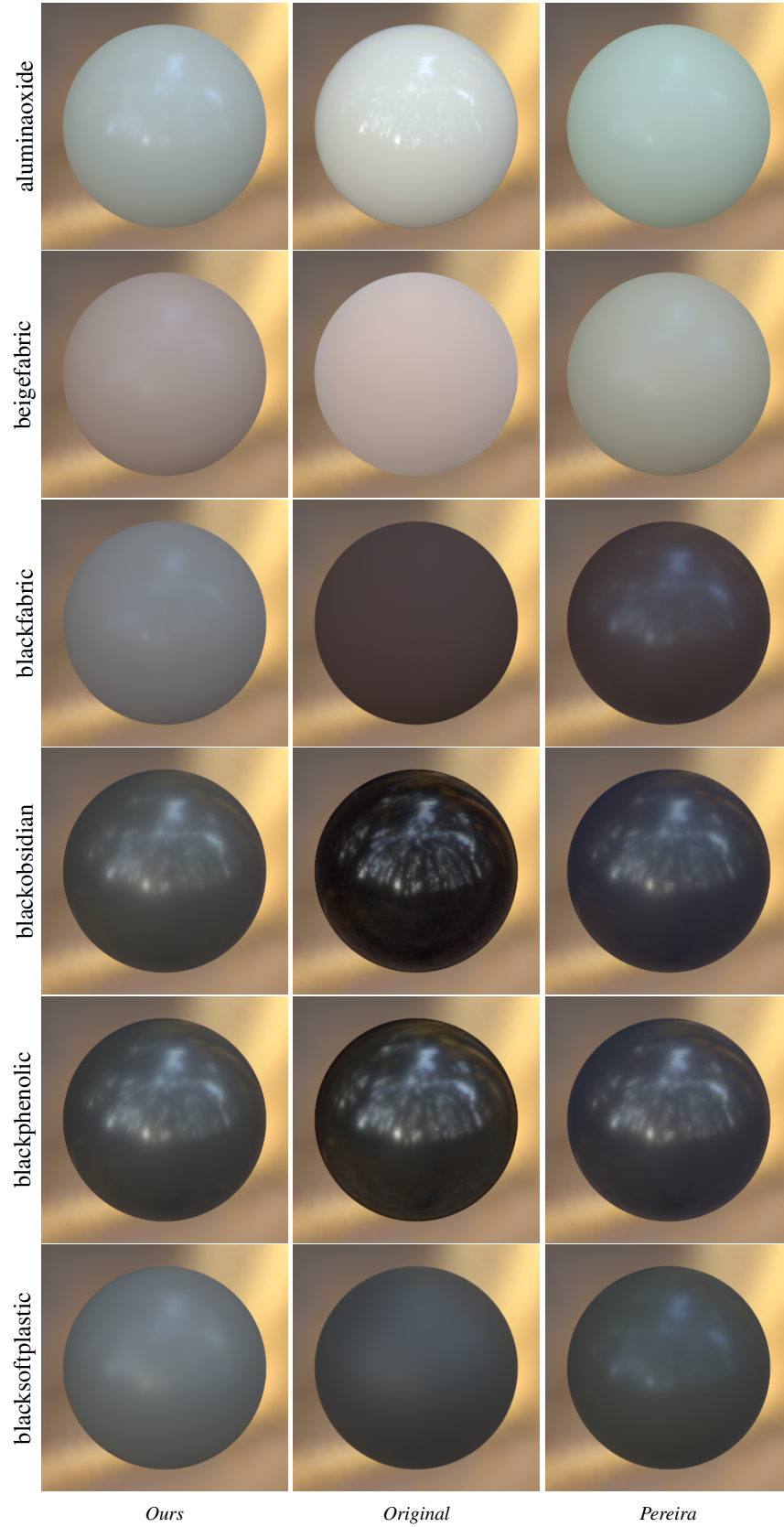
Figure S.17: *Materials used for user study*

Ours   *Original*   *Pereira*

Figure S.18: *Materials used for user study*
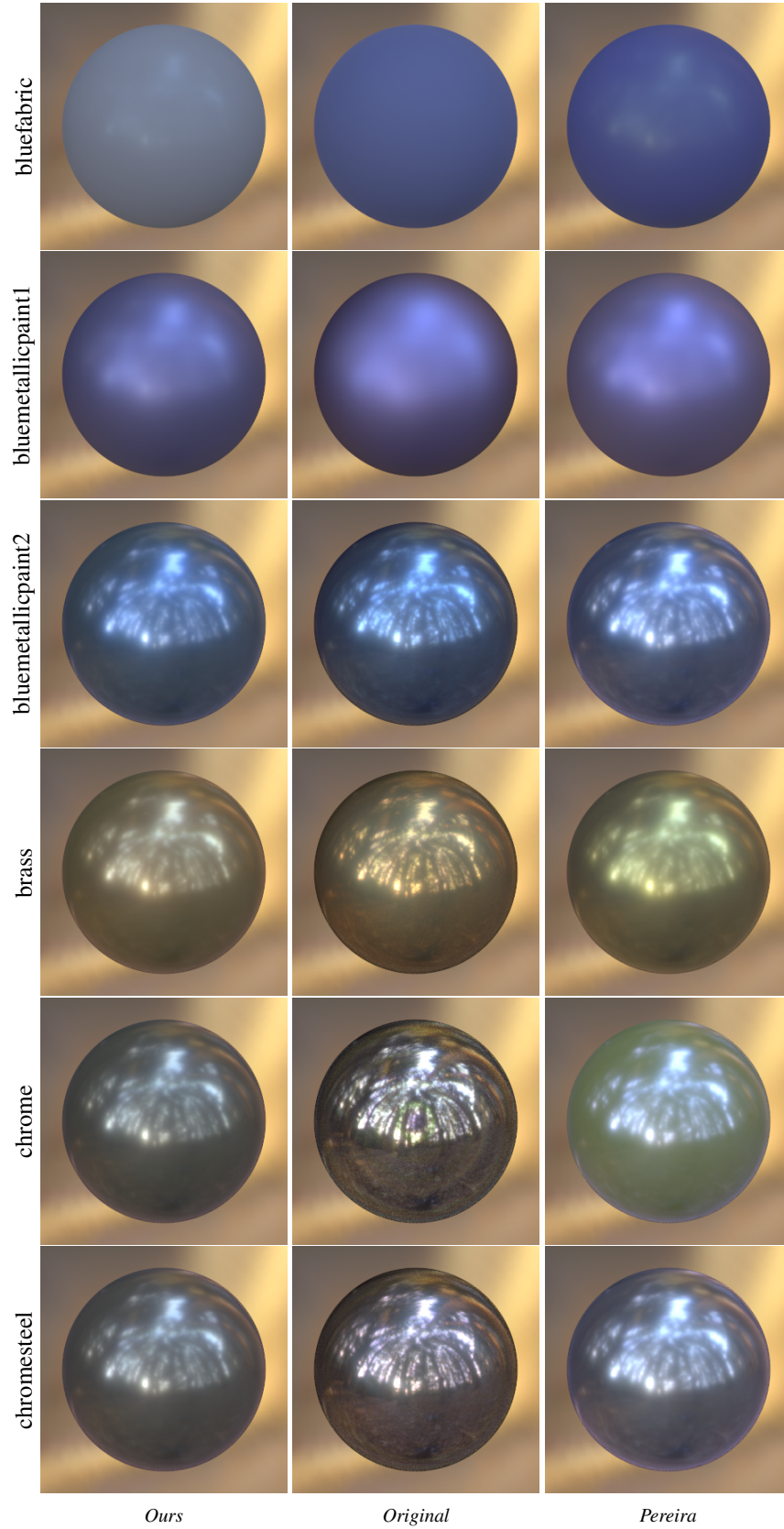
Figure S.19: *Materials used for user study*

Ours   Original   Pereira
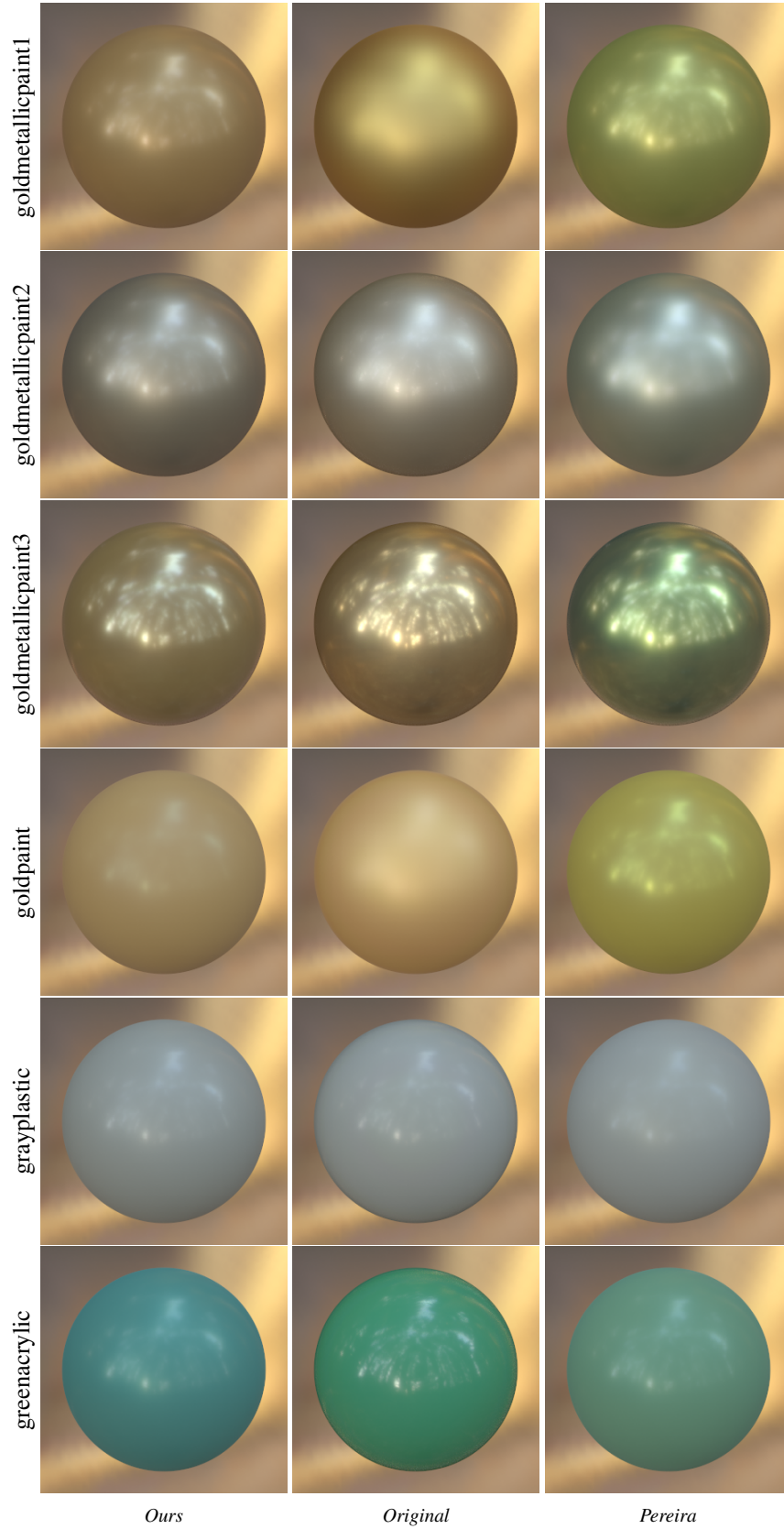
Figure S.20: *Materials used for user study*

greenlatex

greenmetallicpaint1

greenmetallicpaint2

greenplastic

lightbrownfabric

maroonplastic

Ours   *Original*   *Pereira*
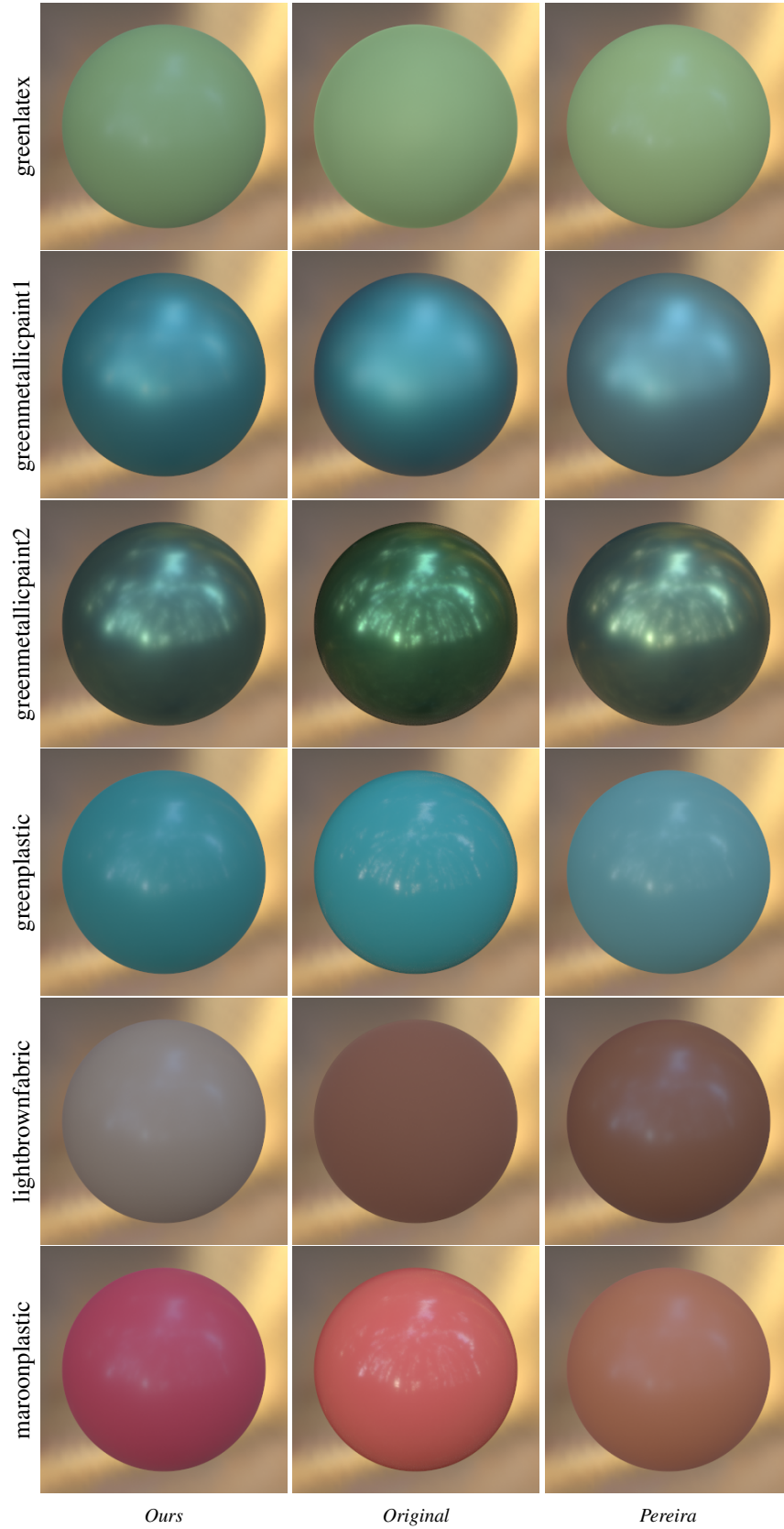
Figure S.21: *Materials used for user study*

Ours　　　　　Original　　　　　Pereira
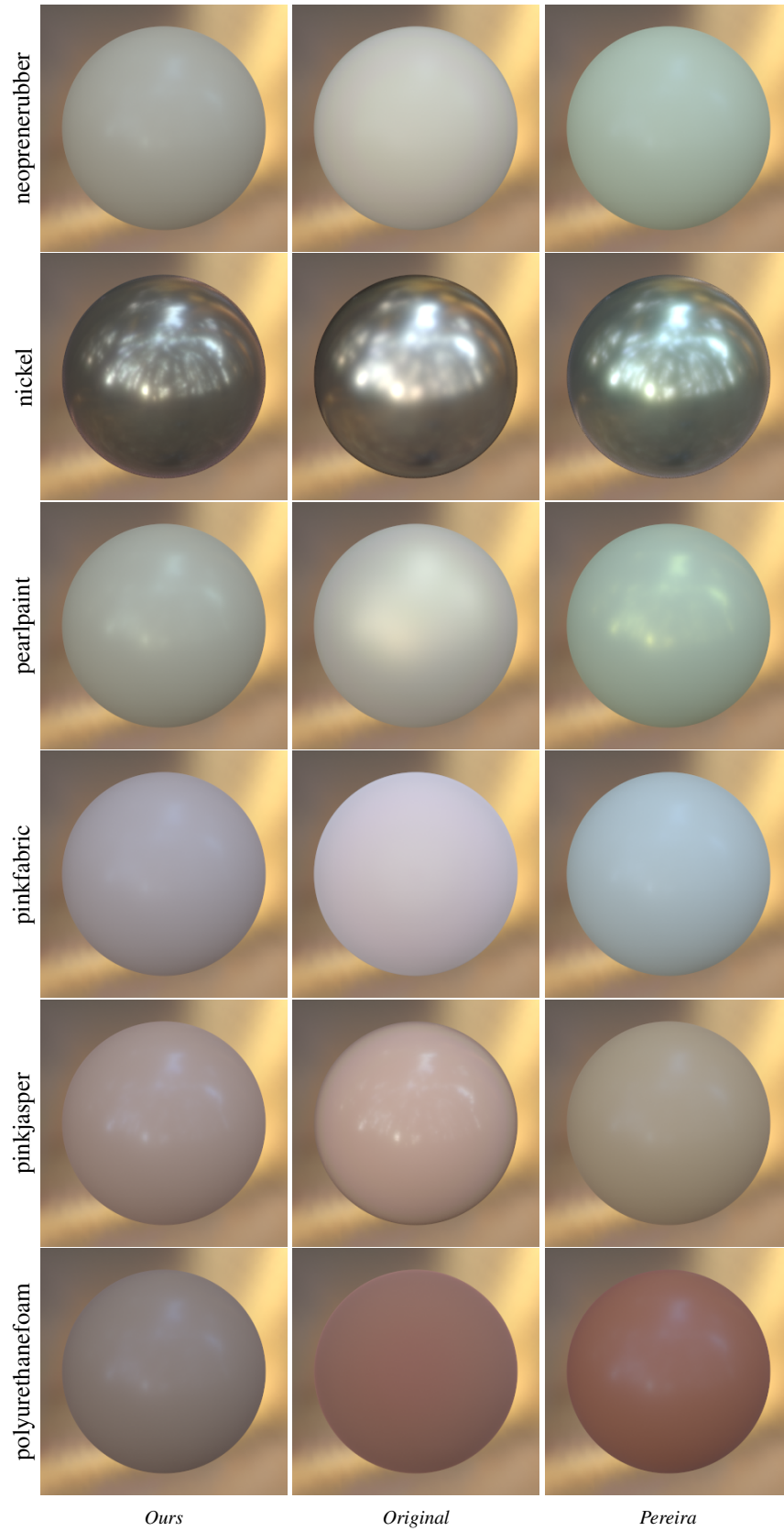
Figure S.22: *Materials used for user study*

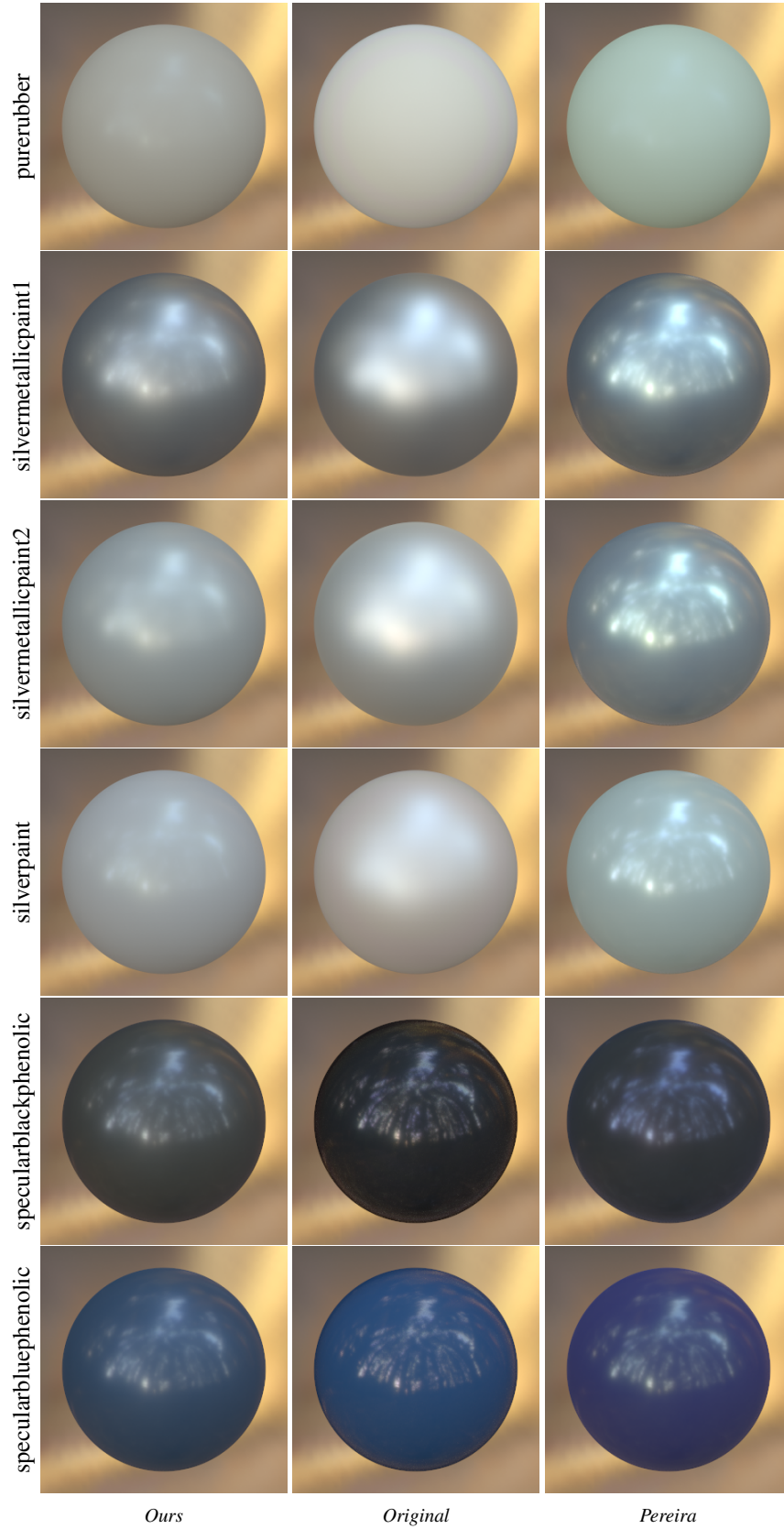|	Ours	Original	Pereira
purerubber			
silvermetallicpaint1			
silvermetallicpaint2			
silverpaint			
specularblackphenolic			
specularbluephenolic			

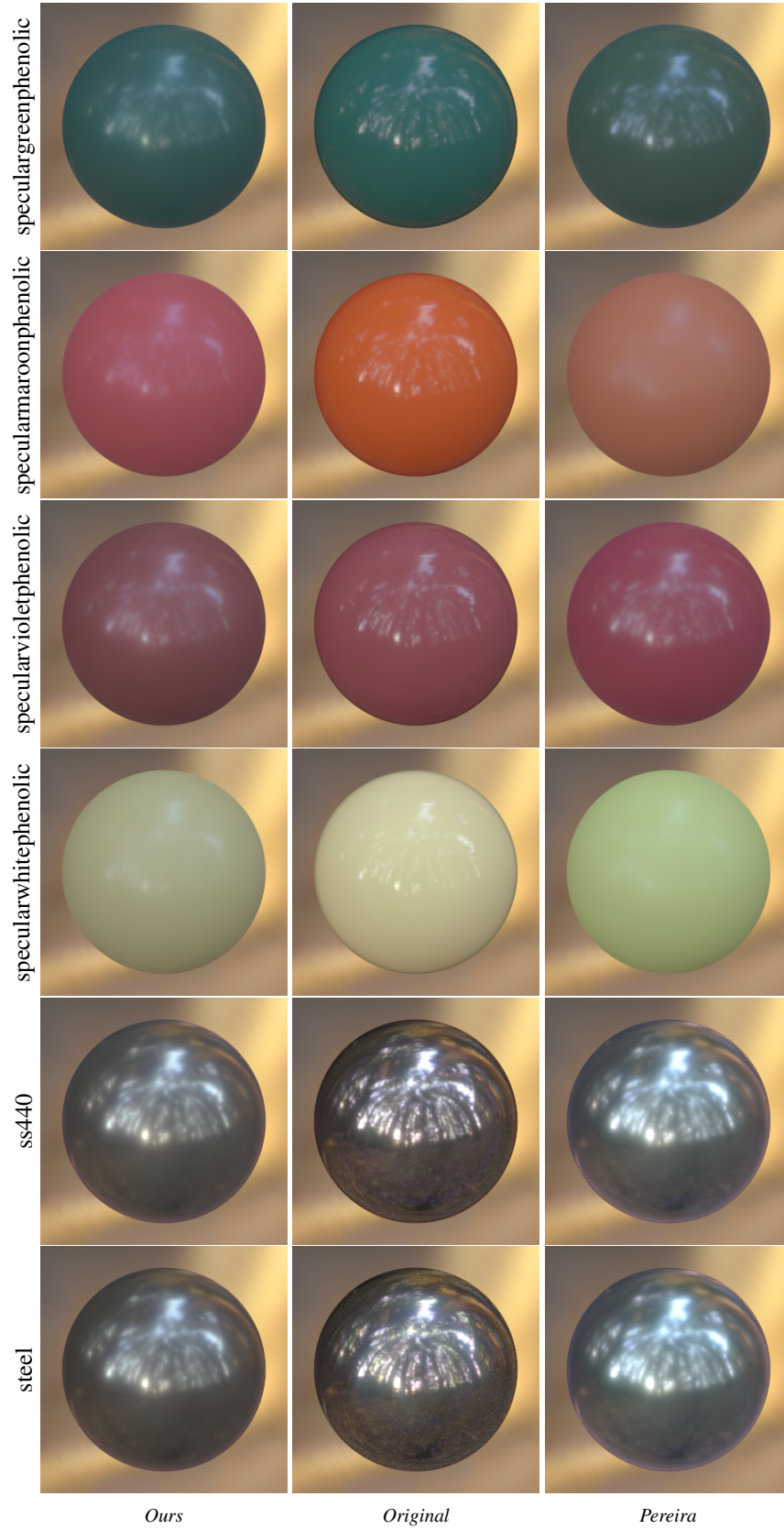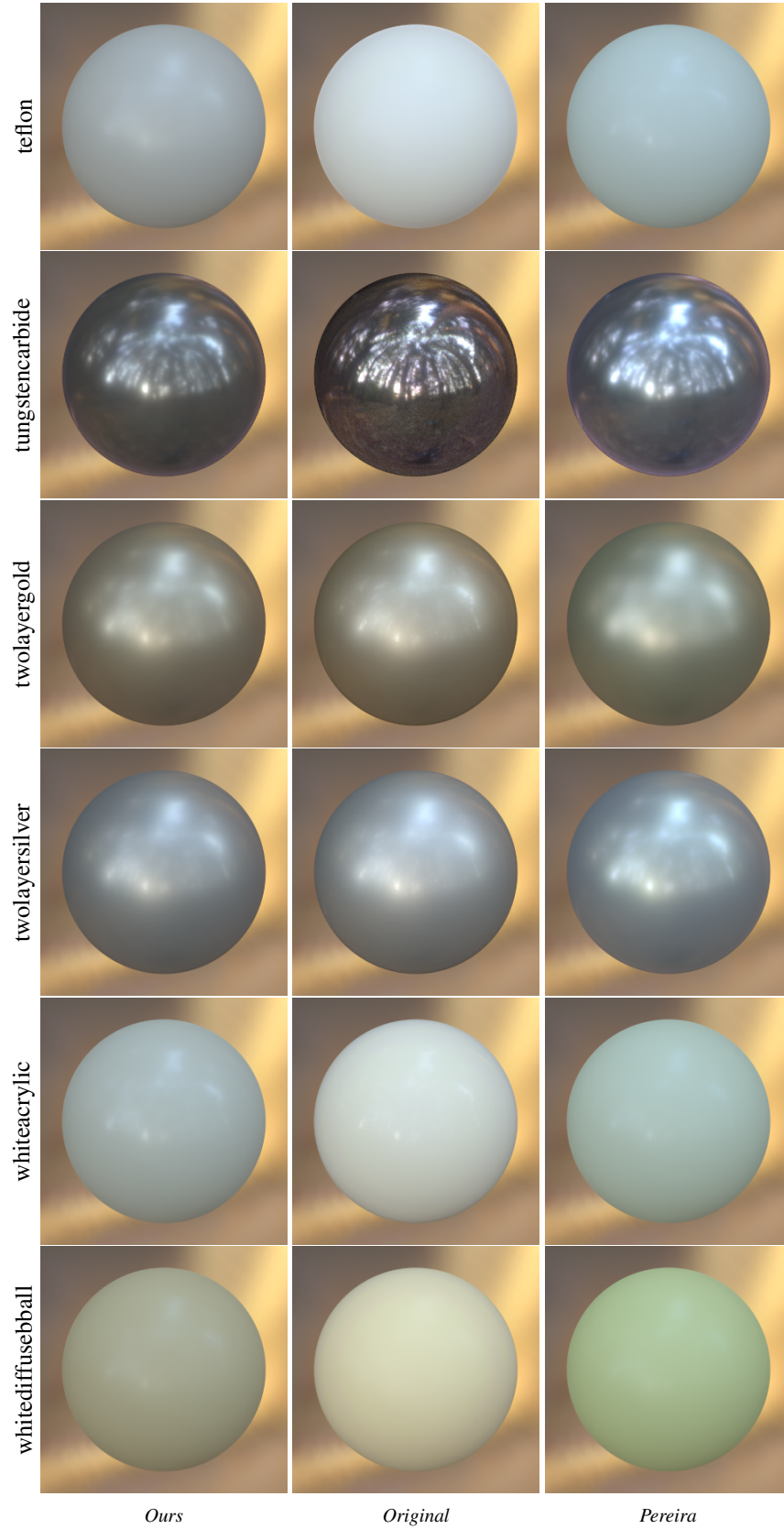**Figure S.23:** *Materials used for user study*

Figure S.24: *Materials used for user study*

Figure S.25: *Materials used for user study*

whitemarble

yellowphenolic

Ours   *Original*   *Pereira*