

Supplementary material for:

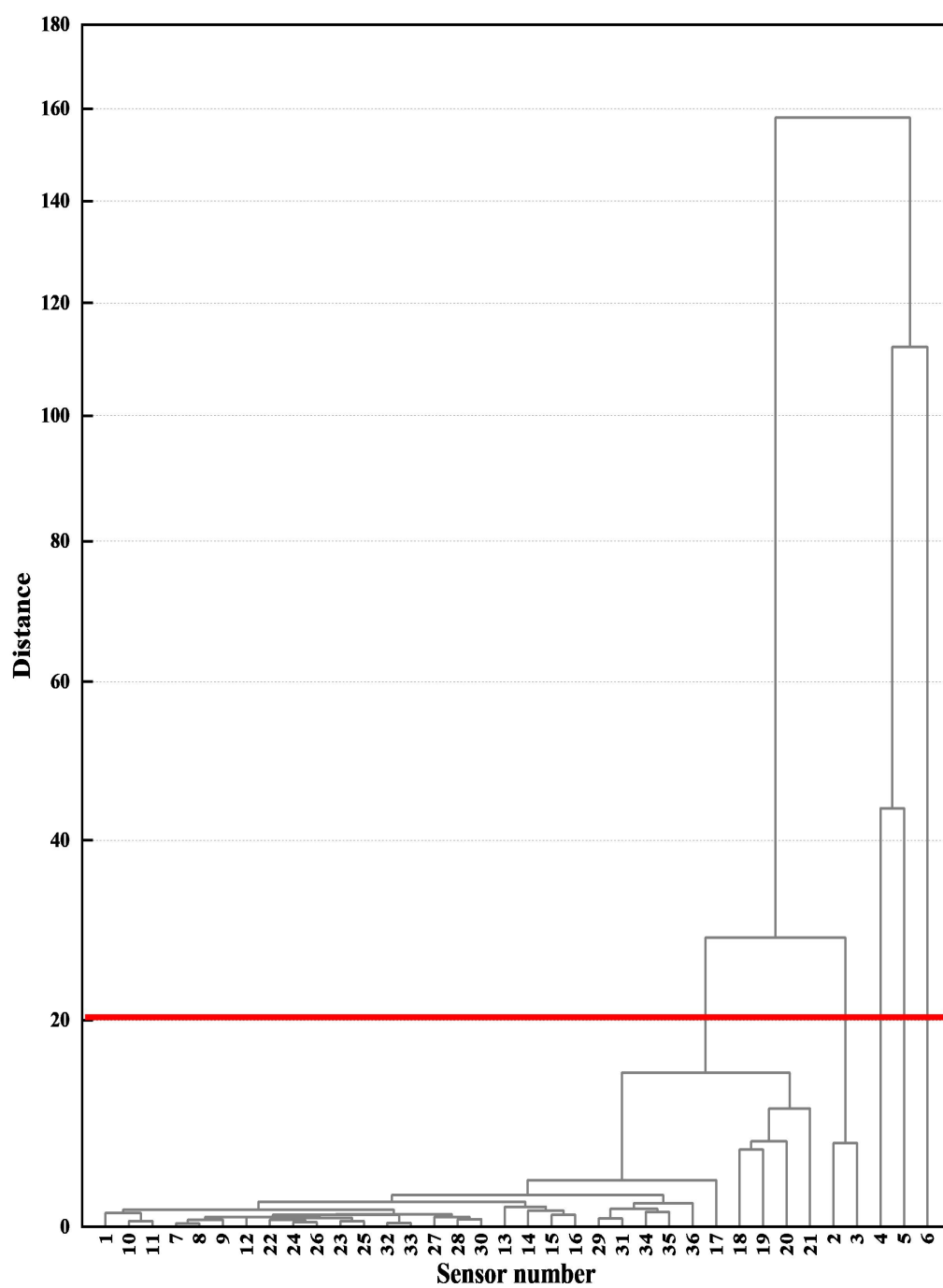


Figure S1. Cluster analysis of the different gas-sensitive materials.

Table S1. Sensor number of the gas-sensitive materials.

Sensor number	Modification ratio (mol%)	Sensor number	Modification ratio (mol%)
Sensor 1	WO ₃	Sensor 19	WO ₃ -0.3mol% Pt
Sensor 2	WO ₃ -0.1mol% Pd	Sensor 20	WO ₃ -0.4mol% Pt
Sensor 3	WO ₃ -0.2mol% Pd	Sensor 21	WO ₃ -0.5mol% Pt
Sensor 4	WO ₃ -0.3mol% Pd	Sensor 22	WO ₃ -0.1mol% Rh
Sensor 5	WO ₃ -0.4mol% Pd	Sensor 23	WO ₃ -0.2mol% Rh
Sensor 6	WO ₃ -0.5mol% Pd	Sensor 24	WO ₃ -0.3mol% Rh
Sensor 7	WO ₃ -0.1mol% Au	Sensor 25	WO ₃ -0.4mol% Rh
Sensor 8	WO ₃ -0.2mol% Au	Sensor 26	WO ₃ -0.5mol% Rh
Sensor 9	WO ₃ -0.3mol% Au	Sensor 27	WO ₃ -0.1mol% Ru
Sensor 10	WO ₃ -0.4mol% Au	Sensor 28	WO ₃ -0.2mol% Ru
Sensor 11	WO ₃ -0.5mol% Au	Sensor 29	WO ₃ -0.3mol% Ru
Sensor 12	WO ₃ -0.1mol% Ag	Sensor 30	WO ₃ -0.4mol% Ru
Sensor 13	WO ₃ -0.2mol% Ag	Sensor 31	WO ₃ -0.5mol% Ru
Sensor 14	WO ₃ -0.3mol% Ag	Sensor 32	WO ₃ -0.1mol% Ir
Sensor 15	WO ₃ -0.4mol% Ag	Sensor 33	WO ₃ -0.2mol% Ir
Sensor 16	WO ₃ -0.5mol% Ag	Sensor 34	WO ₃ -0.3mol% Ir
Sensor 17	WO ₃ -0.1mol% Pt	Sensor 35	WO ₃ -0.4mol% Ir
Sensor 18	WO ₃ -0.2mol% Pt	Sensor 36	WO ₃ -0.5mol% Ir