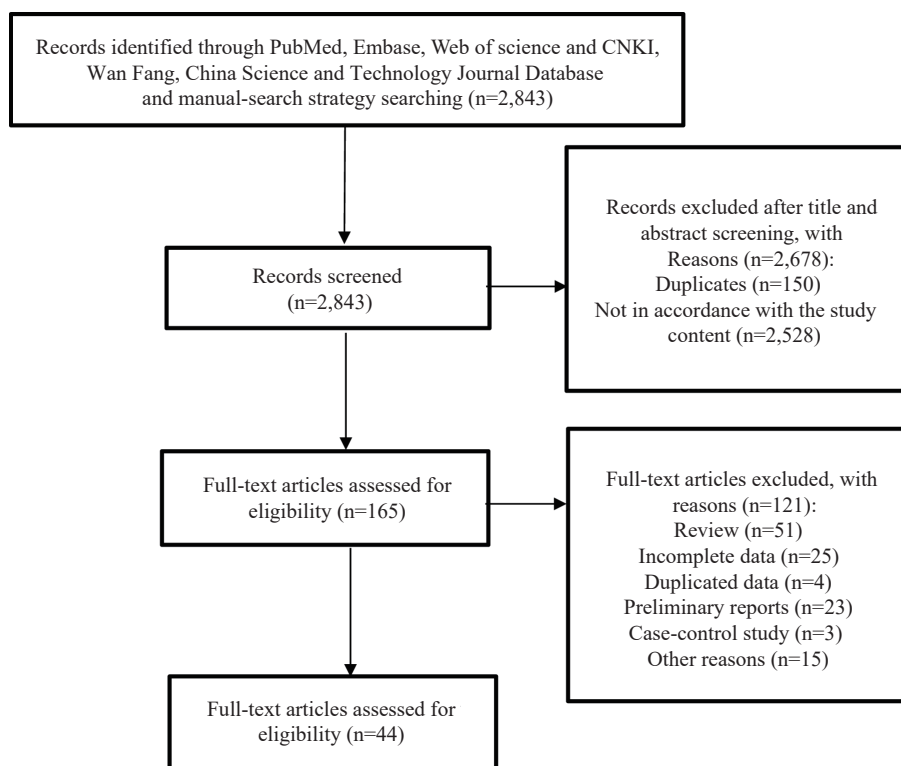


Supplementary Material



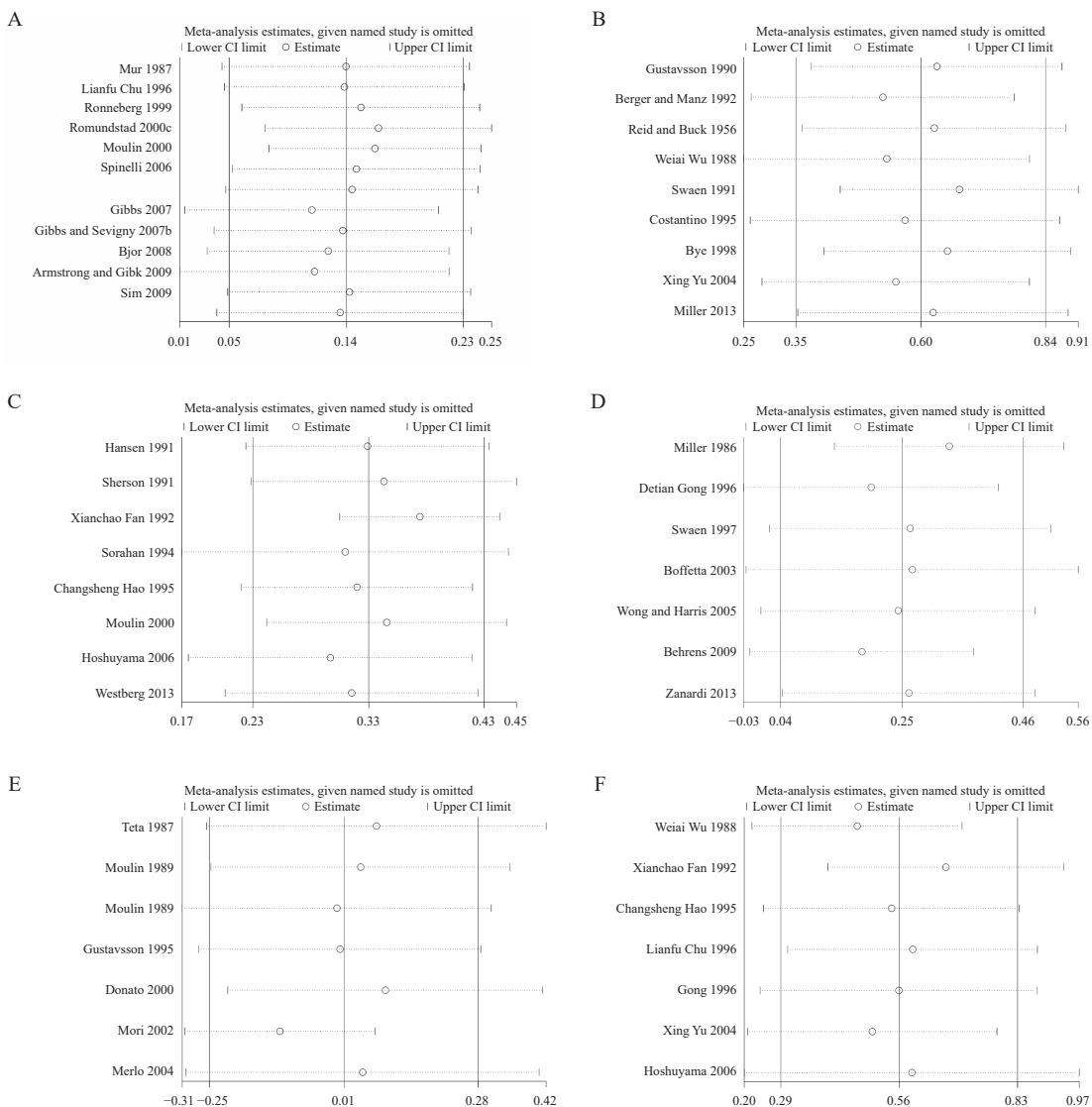
SUPPLEMENTARY FIGURE S1. Flowchart of the literature search.

SUPPLEMENTARY TABLE S1. Publication bias analysis of cohorts in different industries.

Industry	No. of cohorts	Obs/Exp	SMR/SIR	Egger's test		Begg's test	
				<i>P</i>	<i>P</i>		
Aluminum	11	2,024/1,657.67	1.22	0.036	0.760		
Coke production	9	571/299.31	1.91	0.149	0.251		
Iron and steel	8	1,053/755.69	1.39	0.530	0.902		
Asphalt Tar	7	650/522.22	1.24	0.754	1.000		
Carbon electrode	7	126/135.85	0.93	0.206	0.230		
Chinese industries	7	385/227	1.70	0.738	1.000		

Note: Both Begg's test and Egger's test are for publication bias in the same industry cohorts.

Abbreviations: Obs/Exp=observed number of cancer cases or deaths/expected number of cancer cases or deaths; SMR/SIR=standardized mortality ratio/standardized incidence ratio.



SUPPLEMENTARY FIGURE S2. Sensitivity analysis of lung cancer among different polycyclic aromatic hydrocarbons exposed occupations.

(A) aluminum factory workers. (B) coke production factory workers. (C) iron and steel factory workers. (D) asphalt tar workers. (E) carbon electrode factory workers. (F) various industries workers in China.