

Supplemental Table 1. Search Criteria

Database	Keyword	No of papers							
Embase	particulate matter OR air pollutants OR air pollution OR occupational pollution OR environmental pollution OR ambient air OR pollution OR particle size OR air filters OR smoking OR cigarette smoke	810040							
PubMed	particulate matter OR air pollutants OR air pollution OR occupational pollution OR environmental pollution OR ambient air OR pollution OR particle size OR air filters OR smoking OR cigarette smoke	871575							
Embase	advanced glycation end products receptor OR rage OR ager	9640							
PubMed	advanced glycation end products receptor OR rage OR ager	8028							
Embase	lung OR respiratory OR lung diseases OR obstructive lung disease OR obstructive airway disease OR obstructive airways disease OR asthma OR chronic bronchitis OR copd OR chronic obstructive pulmonary disease OR emphysema	2127364							
PubMed	lung OR respiratory OR lung diseases OR obstructive lung disease OR obstructive airway disease OR obstructive airways disease OR asthma OR chronic bronchitis OR copd OR chronic obstructive pulmonary disease OR emphysema	1547934							
Embase	(particulate matter OR air pollutants OR air pollution OR occupational pollution OR environmental pollution OR ambient air OR pollution OR particle size OR air filters OR smoking OR cigarette smoke) AND (advanced glycation end products receptor OR rage OR ager) AND (lung OR respiratory OR lung diseases OR obstructive lung disease OR obstructive airway disease OR obstructive airways disease OR asthma OR chronic bronchitis OR copd OR chronic obstructive pulmonary disease OR emphysema)	130	filtered for english and humans	83	Merged	137	Duplicates and non-original research papers removed	66	
PubMed	(particulate matter OR air pollutants OR air pollution OR occupational pollution OR environmental pollution OR ambient air OR pollution OR particle size OR air filters OR smoking OR cigarette smoke) AND (advanced glycation end products receptor OR rage OR ager) AND (lung OR respiratory OR lung diseases OR obstructive lung disease OR obstructive airway disease OR obstructive airways disease OR asthma OR chronic bronchitis OR copd OR chronic obstructive pulmonary disease OR emphysema)	83	filtered for english and humans	54					
									Duplicates = 24
		Total= 213							
		Duplicates = 29							
1/5/2018		english & human filter = 76							
		Non original = 47							
		remaining = 61							
			excluded in screening						
			in clean (66)						