

Supporting Materials

Table S1 lists some important EC-related major scientific research programs in China, which were well designed and put forward by the top scientists according to scientific and technological needs at that time, and after strict demonstration they were approved by the Ministry of Science and Technology (MOST) of China or the National Natural Science Foundation of China (NSFC). Such programs reflected the most important scientific research work in ECs at that time. Such major scientific research programs greatly promoted the EC-related scientific achievements.

Table S1 Important EC-related major scientific research programs in China

Program Name	Program type	Period
Changes and ecological effects of typical chemical pollutants in the environment	NSFC major program	1992–1995
Basic research on environmental hazard assessment of toxic chemicals	NSFC key program	1998–2001
Screening and control technology of EDCs	National High Tech (863) program, MOST	2001–2004
Environmental safety, evolution trend and control principle of POPs	National Basic Research Program (973), MOST	2003–2008
Environmental behavior, toxic effects and control technology principle of POPs	National Basic Research Program (973), MOST	2009–2013
Chemical risk assessment and risk control technology	National High Tech (863) major program	2012–2015
Sources, fate, population exposure and health risks of typical semi-volatile persistent organic pollutants in eastern China	NSFC major program	2014–2018
Regional characteristics, environmental risk and control principle of new POPs	National Basic Research Program (973) program, MOST	2014–2019

Notes: from websites of the Ministry of Science and Technology (MOST) of China and the National Natural Science Foundation of China (NSFC)

Table S2 lists some major EC-related innovative research achievements winning the National Science and Technology Awards of China. These strictly reviewed and evaluated National Science and Technology Awards can represent the highest scientific achievements in China to some extent.

Table S2 Major EC-related innovative research achievements winning the National Science and Technology Awards of China

Achievement Name	Institution	Year
Combined technology, methodology and related mechanism in the study of toxic chemical pollutant speciation	CAS, Nankai University	2003
Environmental process mechanism and multi-level ecotoxicological effects of typical chemical pollutants in the environment	CAS, Nankai University, Nanjing University	2005
Research on analytical methods and generation & transformation mechanism of typical persistent toxic pollutants	CAS, Hong Kong Baptist University	2011
Early diagnosis methods of environmental chemical behavior, toxicological effects and ecological risks of typical pollutants	Nanjing University, Dalian University of Technology, Tongji University	2011
Multi-media interface behavior and regulation principal of typical organic pollutants	Zhejiang University	2013
Environmental behavior and ecotoxicological effects of typical EDCs	Peking University	2015
Basic research on omics identification and prevention & control of environmental health hazards of high-risk pollutants	Nanjing University, The University of Hong Kong	2016
Environmental pollution characteristics and physicochemical control principles of halogenated POPs	Tsinghua University	2017

Notes: from the website of National Office for Science & Technology Awards, China