

Supplementary Materials

Table S1. The ground-truth data in this study.

Province	Location	Sources
Zhejiang	Ximendao	Field surveys (2017-07-16)
	Haishanxiang	Field surveys (2017-11-26)
	Niyudao	Field surveys (2018-12-11)
	Xinmeizhou	Field surveys (2018-12-12)
Fujian	Zhangjiang Estuary (23°54'N,117°26'E)	Literature review and Google Earth (GE) [1,2,3]
	Jiulongjiang Estuary (24°26'N,117°54'E)	Literature review and GE [4]
	Quanzhou Bay (24°47'N,118°38'E)	Literature review and GE [3,5,6]
	Xiamen (23°58'N,117°42'E)	Field surveys (2017-11-05)
	Changle (26°01'N,119°38'E)	Literature review and GE [3]
	Shacheng Harbor (27°16'N,120°18'E)	Literature review and GE [3]
	Longhai (24°29'N,117°23'E)	Literature review and GE [7]
Guangdong	Zhanjiang (20°15'-21°55'N,109°40'E-110°55')	Literature review and GE [1,3,8]
	Leizhou Bay	Literature review and GE [9]
	Gaoqiao (21°30'N,109°42'E)	Literature review and GE [10]
	Futian (22°32'N,114°03'E)	Literature review and GE [11]
Guangxi	Shankou (21°28'N,109°43'E)	Literature review and GE [3]
	Beilunhe (21°30'N,108°09'E)	Literature review and GE [3]
	Yinluo Harbor	Literature review and GE [12]
	Beihai (21°28'N,109°43'E)	Literature review and GE [13]
Hainan	Dongzhai Harbor (19°54'N,110°20'E)	Literature review and GE [1,3,14, 15]
	Qinglan Harbor (19°34'N,110°45'E)	Literature review and GE [1,3,15, 16]
	Danzhou (19°44'N,109°16'E)	Literature review and GE [15]
	Lingao (19°51'N,109°33'E)	Literature review and GE [15]
	Dongfang (19°14'N,108°39'E)	Literature review and GE [3]
	Wenchang (19°15'N,110°47'E)	Literature review and GE [17]
	Qiongshan (19°59'N,110°32'E)	Literature review and GE [18]
Hong Kong	Mai Po (22°30'N,114°02'E)	Literature review and GE [3,19]
Taiwan	Tanshui (25°09'N,121°26'E)	Literature review and GE [3]
	Haomeiliao (23°22'N,121°07'E)	Literature review and GE [3]
	Peimeng (23°16'N,120°06'E)	Literature review and GE [3]
	Sutsao (23°02'N,120°07'E)	Literature review and GE [3]

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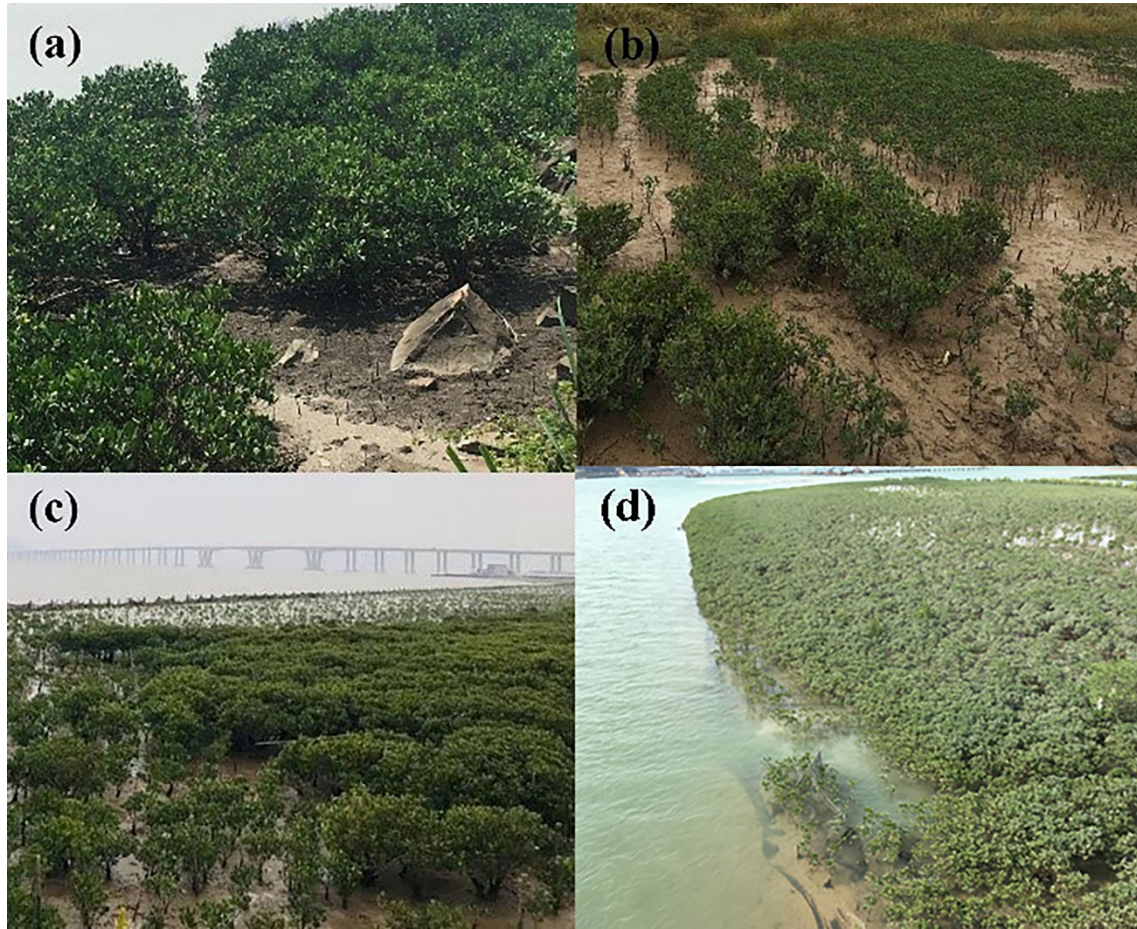


Figure S1. Mangrove field work: (a) Ximendao, Zhejiang (16 July 2017); (b) Haishanxiang, Zhejiang (26 November 2017); (c) Niyudao, Zhejiang (12 December 2018); (d) Xiamen, Fujian (5 November 2017).

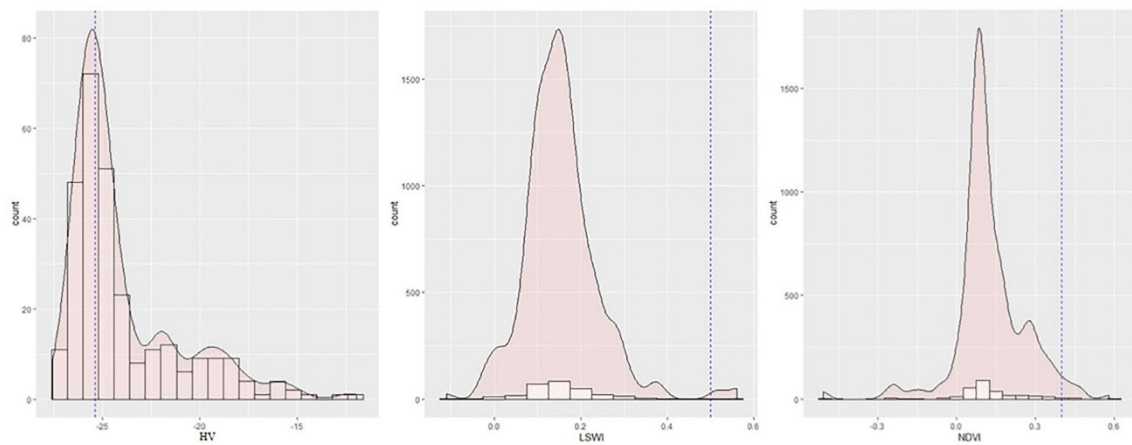


Figure S2. The distributions of HV, LSWI and NDVI values extracted for mangrove forests in Zhejiang province.

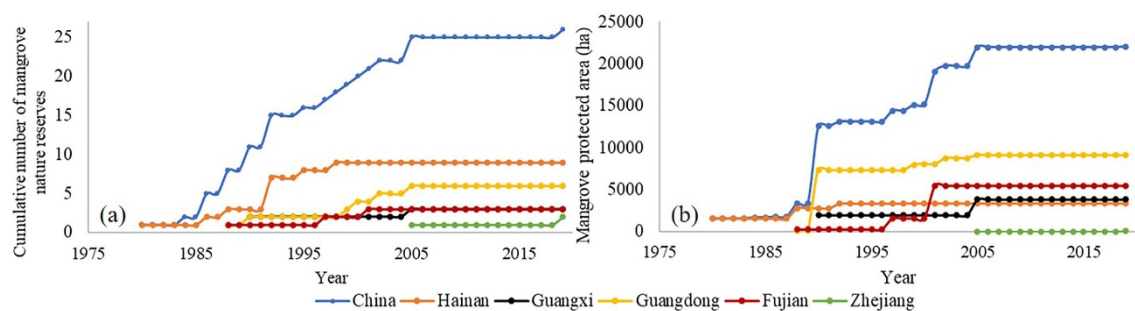


Figure S3. Mangrove nature reserves in China during 1980-2020: (a) Cumulative number; (b) Protected area.