

Main drivers of battery industry changes: electric vehicles. The market overview.

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1. Supplementary tables

Table S1. NEV sales in 2017 and market shares in 2017 and 2016 for selected NEV markets.

Country	Sales, units	2017 market share, %	2016 market share, %
China	600 200	2.1	1.5
US	199 800	1.2	0.9
Norway	62 200	39.0	29.5
Japan	55 900	1.1	0.4
Germany	53 600	1.6	0.8
UK	47 200	1.9	1.5
France	36 800	1.7	1.4
Sweden	20 000	5.3	3.6
Canada	17 900	0.9	0.6
Belgium	14 700	2.6	1.7
S. Korea	14 200	0.9	0.4
Switzerland	8 000	2.6	1.7
Spain	7 500	0.6	0.4
Austria	7 200	2.1	1.6
Global	1 200 000	1.4	0.9

Table S2. Top-10 automotive groups with the highest plug-in cars sales, their battery suppliers and cell chemistries.

Automaker	Battery supplier	Cell chemistry
Nissan- Renault- Mitsubishi	AESC + LG Chem → AESC? + LG Chem + CATL	MNC/NCA
BYD	BYD	LFP → LFP+NMC
BAIC	CATL, Lishen, others	LFP → LFP+NMC
Geely	CATL, Lishen, others	LFP → LFP+NMC
Tesla	Panasonic + Tesla gigafactory	MNC/NCA
BMW	Samsung SDI → Samsung SDI + CATL	MNC/NCA
VW	Samsung SDI→ Samsung SDI + CATL	MNC/NCA
SAIC	CATL, Lishen, others	LFP → LFP+NMC
GM	LG Chem	MNC/NCA
Toyota	Panasonic	MNC/NCA

2. Supplementary figures

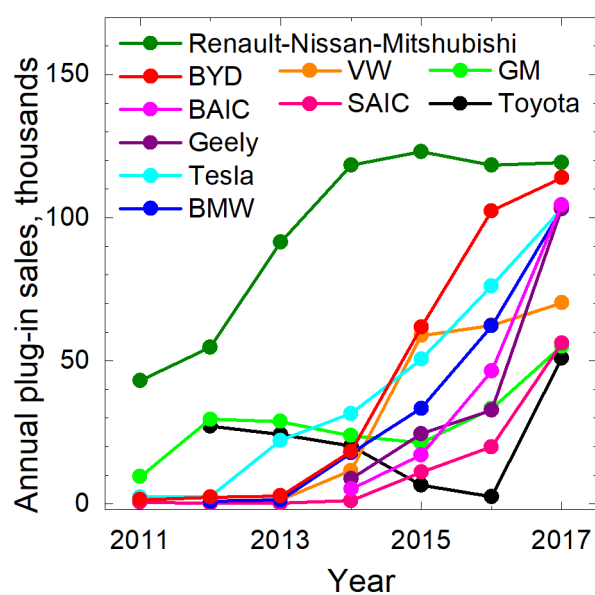
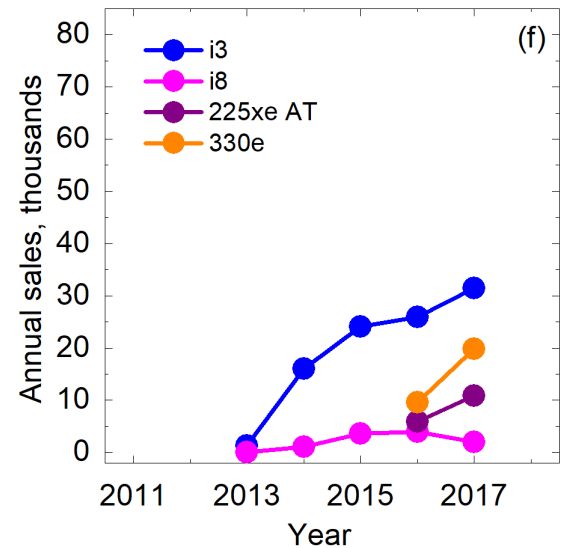
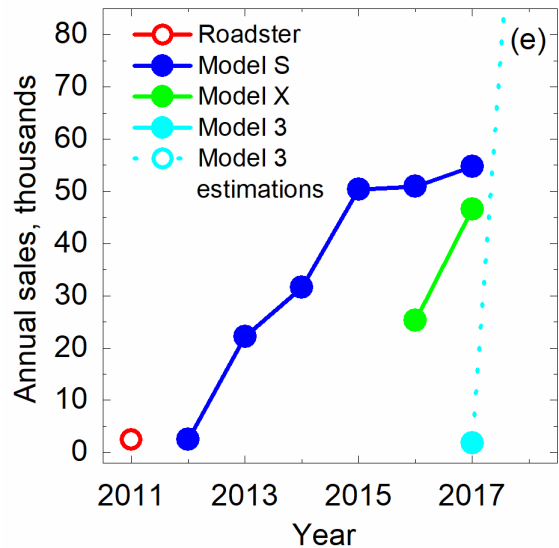
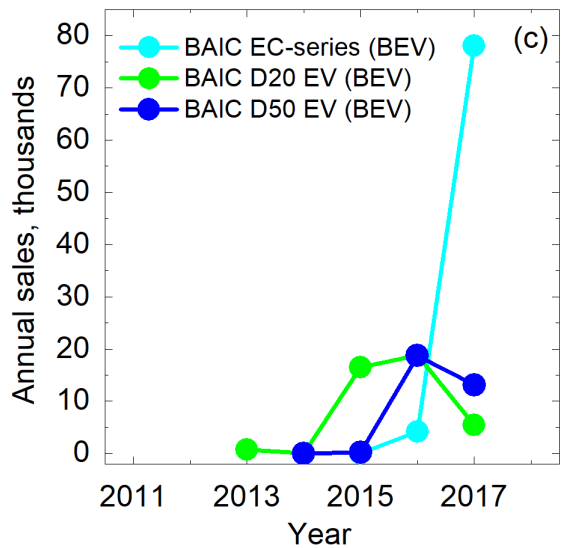
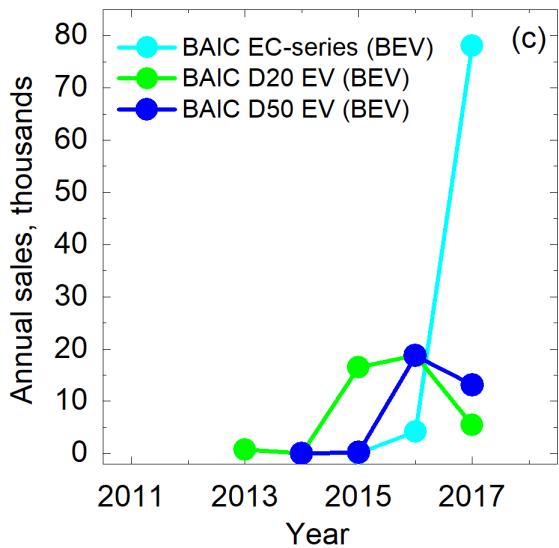
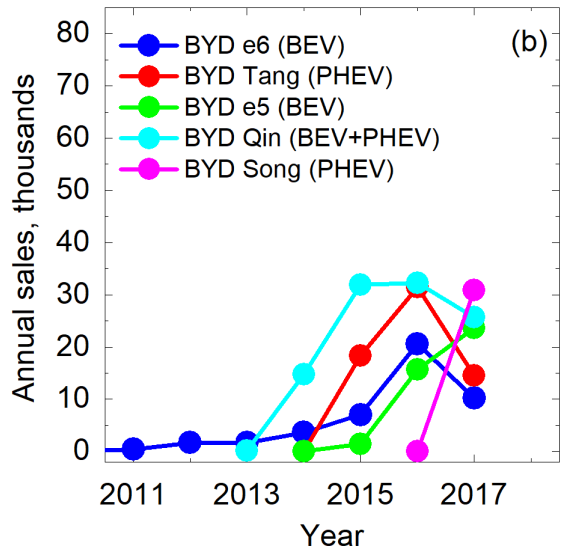
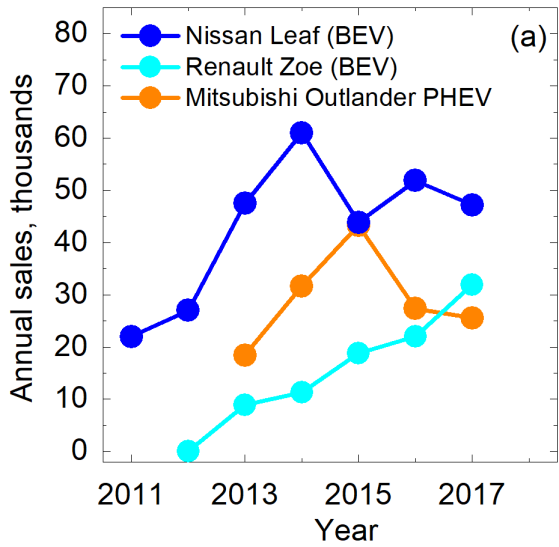


Figure S1. Annual NEV sales of top 10 automobile groups in NEV sales (year 2017 results). Sales evolution of the best sold models for each mentioned group is given below in Figure S2.



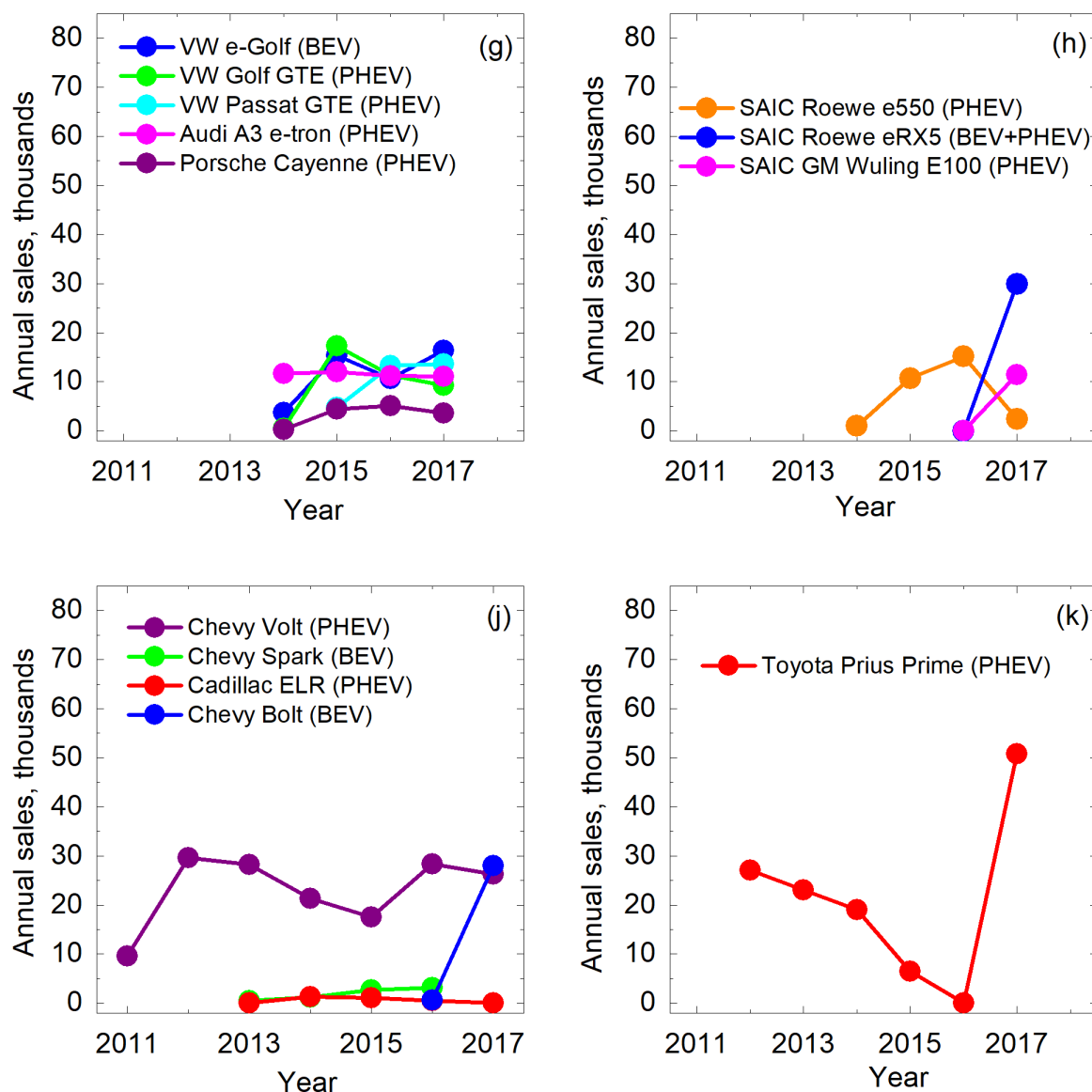


Figure S2. The best sold NEV models by: (a) Renault-Nissan-Mitsubishi alliance, (b) BYD, (c) BIAAC, (d) Geely group, (e) Tesla, (f) BMW, (g) VW group, (h) SIAC, (j) GM corporation, (k) Toyota. (e) shows not only real sales, but also Tesla Model 3 sales estimation for 2018.



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