

1. Record Nr.	UNINA9910350281303321
Autore	Chao Dongliang
Titolo	Graphene Network Scaffolded Flexible Electrodes—From Lithium to Sodium Ion Batteries [[electronic resource] /] / by Dongliang Chao
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-3080-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (130 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	621.312424
Soggetti	Chemistry Nanotechnology Energy Storage Electrochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	General Introduction -- Vanadium Pentoxide for Li-Ion Storage -- Vanadium Dioxide for Li- and Na-Ion Storage -- Na ₃ (VO) ₂ (PO ₄) ₂ F Array for Cathode of Na-Ion Battery -- SnS Array for Anode of Na-Ion Battery -- Future Work.
Sommario/riassunto	Research on deformable and wearable electronics has promoted an increasing demand for next-generation power sources with high energy/power density that are low cost, lightweight, thin and flexible. One key challenge in flexible electrochemical energy storage devices is the development of reliable electrodes using open-framework materials with robust structures and high performance. Based on an exploration of 3D porous graphene as a flexible substrate, this book constructs free-standing, binder-free, 3D array electrodes for use in batteries, and demonstrates the reasons for the research transformation from Li to Na batteries. It incorporates the first principles of computational investigation and in situ XRD, Raman observations to systematically reveal the working mechanism of the electrodes and structure evolution during ion insertion/extraction. These encouraging results and proposed mechanisms may accelerate further development of high rate batteries using smart nanoengineering of the electrode materials, which make "Na ion battery could be better than Li ion battery"

possible.

2. Record Nr.	UNINA9910304146403321
Autore	Nagorny-Koring Nanja <p>Nanja Nagorny-Koring, Provadis Hochschule (Frankfurt am Main), Deutschland </p>
Titolo	Kommunen im Klimawandel : Best Practices als Chance zur grünen Transformation? / Nanja Nagorny-Koring
Pubbl/distr/stampa	Bielefeld, : transcript Verlag, 2018
ISBN	9783837646276 3837646270 9783839446270 3839446279
Edizione	[1st ed.]
Descrizione fisica	1 online resource (322)
Collana	Urban Studies
Disciplina	304.28
Soggetti	Klimapolitik Climate Policy Klimawandel Climate Change Gouvernementalität Governmentality Praxistheorie Practice Theory Performativity Performativität City Stadt Natur Nature Urban Studies Umweltsoziologie Environmental Sociology Humanökologie Human Ecology Geographie Geography Sociology Soziologie

Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	How can cities be redesigned efficiently and quickly to be climate-friendly? This volume analyses the application of best practice techniques and shows their pitfalls.
Nota di contenuto	Frontmatter 1 Inhalt 5 Abkürzungsverzeichnis 7 Danksagung 9 Das Prinzip der Nachahmung 11 Kommunen im Klimawandel 25 Den guten Praktiken auf der Spur 71 Die Kunst, den Klimawandel zu regieren 115 New Public Climate Management 141 Best Climate Practices 189 "Best Practice ist eine Geschichte" 235 Literatur 275 Anhang 315
Sommario/riassunto	Wie kann man Städte effektiv und schnell klimafreundlich umgestalten? Der Wissensaustausch zwischen Kommunen sowie die Nachahmung bewährter Praktiken gilt als Schlüssel zur »grünen Transformation«. Am Beispiel der Regierungstechnologie »Best Practice« stellt Nanja Nagorny-Koring den weit verbreiteten Glauben an das »Prinzip der Nachahmung« grundsätzlich in Frage und entwirft ein Bild davon, warum Best Practices trotz des offensichtlichen Auseinanderklaffens von Anspruch und Wirklichkeit so populär sind. Sie stellt detailliert dar, wie Best Practices im kommunalen Klimaschutz entstehen, verbreitet und angewendet werden. Besprochen in: Rundbrief Begegnungszentrum für aktive Gewaltlosigkeit, 1 (2019) Forschungsjournal Soziale Bewegungen, 1 (2020), Jörg Radtkeenergie impulse, 2 (2023)