1. Record Nr. UNINA9910830340903321

Titolo	Fuel cell catalysis [[electronic resource]] : a surface science approach / / edited by Marc Koper
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2009
ISBN	1-282-11394-1 9786612113949 0-470-46377-5 0-470-46374-0
Descrizione fisica	1 online resource (722 p.)
Collana	The Wiley series on electrocatalysis and electrochemistry
Altri autori (Persone)	KoperMarc T. M <1967-> (Marc Theodorus Maria)
Disciplina	621.31/2429 621.312429
Soggetti	Electrocatalysis Fuel cells Solid-liquid interfaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	FUEL CELL CATALYSIS; CONTENTS; Preface to the Wiley Series on Electrocatalysis and Electrochemistry; Preface; List of Contributors; 1. Electrocatalysis of Oxygen Reduction in Polymer Electrolyte Fuel Cells: A Brief History and a Critical Examination of Present Theory and Diagnostics; 2. Electrochemical Electron Transfer: From Marcus Theory to Electrocatalysis; 3. Electrocatalysis and Catalyst Screening from Density Functional Theory Calculations; 4. First-Principles Simulation of the Active Sites and Reaction Environment in Electrocatalysis 5. Ab Initio Atomistic Thermodynamics for Fuel Cell Catalysis6. Mechanisms of the Oxidation of Carbon Monoxide and Small Organic Molecules at Metal Electrodes; 7. Clues for the Molecular-Level Understanding of Electrocatalysis on Single-Crystal Platinum Surfaces Modified by p-Block Adatoms; 8. Electrochemistry at Well-Characterized Bimetallic Surfaces; 9. Recent Developments in the Electrocatalysis of the O(2) Reduction Reaction; 10. Electrocatalysis at Platinum and Bimetallic Alloys; 11. Electrocatalysis for the Direct Alcohol Fuel Cell

12. Broadband Sum Frequency Generation Studies of Surface Intermediates Involved in Fuel Cell Electrocatalysis13. Methanol, Formaldehyde, and Formic Acid Adsorption/Oxidation on a Carbon-Supported Pt Nanoparticle Fuel Cell Catalyst: A Comparative Quantitative DEMS Study; 14. The Effect of Structurally Well-Defined Pt Modification on the Electrochemical and Electrocatalytic Properties of Ru(0001) Electrodes; 15. Size Effects in Electrocatalysis of Fuel Cell Reactions on Supported Metal Nanoparticles; 16. Support and Particle Size Effects in Electrocatalysis
17. Electrocatalysis for Fuel Cells at Enzyme-Modified Electrodes18. Metalloporphyrin Catalysts of Oxygen Reduction; Index

Sommario/riassunto

Wiley Series on Electrocatalysis and Electrochemistry Fuel Cell Catalysis A Surface Science Approach A Core reference on fuel cell catalysis Fuel cells represent an important alternative energy source and a very active area of research. Fuel Cell Catalysis brings together world leaders in this field, providing a unique combination of state-of-the-art theory and computational and experimental methods. With an emphasis on understanding fuel cell catalysis at the molecular level, this text covers fundamental principles, future challenges, and important current research themes. Fue

2. Record Nr. UNINA9910584478603321

Autore	Kravtsov Vlad
Titolo	Autocracy and Health Governance in Russia / / by Vlad Kravtsov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2022
ISBN	9783031057892 9783031057885
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (267 pages)
Disciplina	320.53 353.60947
Soggetti	Europe - Politics and government Russia - History Europe, Eastern - History Soviet Union - History European Politics Russian, Soviet, and East European History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Personalistic regimes and the processes of governance -- Chapter 2. Providing goods: health mandates and authoritarian performance -- Chapter 3. Managing actors: faulty controls and flawed performance -- Chapter 4. Constructing the oversight: organizational atrophy and particularized exchanges -- Chapter 5. Securitizing the epidemic: ideological adaptations and illiberal meanings -- Chapter 6. Conclusions, implications, and dashed hopes.
Sommario/riassunto	The book is the first attempt to investigate how and to what extent authoritarian (personalistic) regimes fail to provide fundamental goods and services. For two decades, Russian authorities spent much effort and money to improve health administration, but most success stories are borderline fake. The failure is by design; because personalistic regimes rely on personalized exchanges and bargains instead of impersonal rules and permanent organizations, all actors put self-interest ahead of patients' needs. It is a severe problem because authoritarian principals proclaim social betterment as their central goal

-- and many Russians take such claims at face value -- but incentivize their agents to imitate progress and tolerate slipshod performance. The benefits of this investigation are three-fold. First, the book provides an analytical framework of bad governance rooted in the rational institutionalist tradition and connected to competence-control theory. Second, it gives a general readership interested in how Russia works a sense of the key political players' mindset and the regime-induced constraints under which elites operate. Third, although the book investigates health governance exclusively, its analytical framework is portable to other issue areas and could be applied to explain how and why Russia evolved into an ineffective, coercive, and predatory state under Putin's leadership. Vlad Kravtsov is Associate Professor of Political Science & Law at Spring Hill College, the US. .