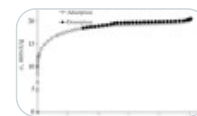




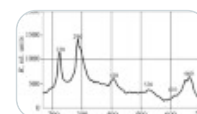
19 articles in this issue

Direct Sorption Capture of CO₂ from Air



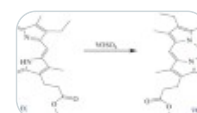
PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 06 February 2026 | Pages: 1239 - 1246

On the Formation of Hollow Metal-Oxide Particles in the Oxidation of Compacted Iron Powder



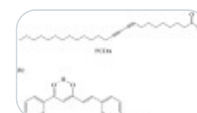
PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 06 February 2026 | Pages: 1247 - 1255

Synthesis, Structure, and Comparative Analysis of Photo- and Electroluminescence Spectra of Vanadyl Mesoporphyrinate in PVK:PBD Composite



NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 06 February 2026 | Pages: 1256 - 1262

The Synergistic Effect of Introducing Hemicurcuminoid into a Planar Polydiacetylene Platform for Optical Detection of Lead Ions



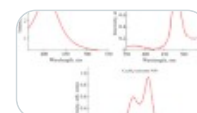
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 06 February 2026 | Pages: 1263 - 1277

Enhancement of Electron Mobility and Optoelectrical Performance Behaviour of Polycarbazoles Featured with Zinc Oxide Nanoparticles



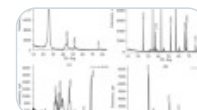
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 06 February 2026 | Pages: 1278 - 1288

Enhanced Antibacterial Activity of Co₂O₃ Nanoparticles Functionalized with Curcuma: A Synergistic Approach



NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 06 February 2026 | Pages: 1289 - 1296

Friction and Wear Behavior of Al₂O₃-YSZ-CNT Based Nanocomposites Prepared by Spark Plasma Sintering



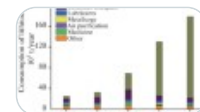
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 06 February 2026 | Pages: 1297 - 1305

Tribological and Anticorrosive Performances of EP/PAI/PI-PTFE Coatings Filled with ZnO and Ce₂O₃



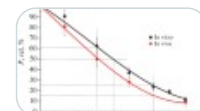
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 06 February 2026 | Pages: 1306 - 1320

Modern Approaches to the Processing of Used Lithium-Ion Batteries



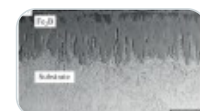
NEW SUBSTANCES, MATERIALS, AND COATINGS | 06 February 2026 | Pages: 1321 - 1328

Bioresorbable Threads In Vitro and In Vivo: Common and Distinctive Features



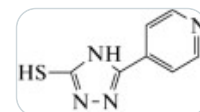
NEW SUBSTANCES, MATERIALS, AND COATINGS | 06 February 2026 | Pages: 1329 - 1339

The Study of Practical Adhesion of a Layer/Substrate System on an AISI 8620 Steel Exposed to Boriding and Borocarburing



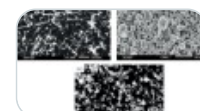
NEW SUBSTANCES, MATERIALS AND COATINGS | 06 February 2026 | Pages: 1340 - 1345

Corrosion Protection of Mild Steel in 1 M HCL Solution Using the Triazole Derivative



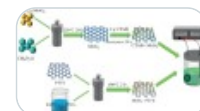
PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 06 February 2026 | Pages: 1346 - 1361

Enhancement of Mechanical Properties and Corrosion Resistance in SiC_w Reinforced Al–Zn–Mg–Cu Composites via Controlled Aging Treatments



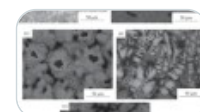
PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 06 February 2026 | Pages: 1362 - 1373

Effect of PTFE in the Ni–P–MoS₂ Alloy Based Composite Coating on Corrosion and Wear Resistance



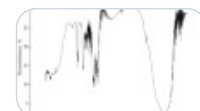
PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 06 February 2026 | Pages: 1374 - 1385

Investigation on the Influence of Sn on the Microstructure and Corrosion Behavior of Mg–0.8% Si Alloy

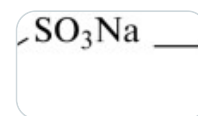


PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 06 February 2026 | Pages: 1386 - 1396

Prickly Pear Peel Extract as a Green Corrosion Inhibitor for API 5L X70 Steel in Hydrochloric Acid Environment

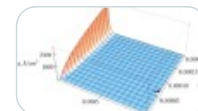


A Novel Corrosion Inhibition of Dodecylamine Ethyl Sulfonate on Titanium in Hydrochloric Acid Medium



PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 06 February 2026 | Pages: 1408 - 1420

Restructuring of the Phase Boundary during the Implementation of High-Energy Chemical and Electrochemical Reactions and the Influence of Restructuring on Characteristics of Coatings



INVESTIGATION METHODS FOR PHYSICOCHEMICAL SYSTEMS | 06 February 2026 | Pages: 1421 - 1431

Angular Correlation of the Annihilation Radiation Method in Comparative Analysis of the Atomic–Electron Structure of Various Carbon Materials



INVESTIGATION METHODS FOR PHYSICOCHEMICAL SYSTEMS | 06 February 2026 | Pages: 1432 - 1439
