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Titolo	Main group metals in organic synthesis // edited by Hisahi Yamamoto and Koichiro Oshima
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Altri autori (Persone)	YamamotoHisashi OshimaKoichiro <1947->
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Main Group Metals in Organic Synthesis; Contents; Preface; List of Contributors; Volume 1; 1 Lithium in Organic Synthesis; 1.1 Introduction; 1.2 Nature of Organolithium Compounds; 1.2.1 Overview; 1.2.2 Structural Features; 1.2.3 Configurational Stability; 1.2.4 Titration of Organolithium Compounds; 1.3 Methods for the Preparation of Organolithium Compounds; 1.3.1 Overview; 1.3.2 Reductive Lithiation using Lithium Metal; 1.3.3 Preparation of Organolithium Compounds from Another Organolithium Compounds; 1.3.3.1 Deprotonation; 1.3.3.2 Halogen-Lithium Exchange; 1.3.3.3 Transmetallation 1.3.3.4 Carbolithiation1.3.3.5 Miscellaneous; 1.4 Methods for Construction of Carbon Frameworks by Use of Organolithium Compounds; 1.4.1 Overview; 1.4.2 Stereospecificity; 1.4.3 Synthetic Application; 1.4.3.1 C-C Bond Formation: Conversion of C-Li to Halogen-Li; 1.4.3.2 C-C Bond Formation: Conversion of C-Li to O-Li; 1.4.3.3 C-C Bond Formation: Conversion of C-Li to N-Li; 1.5

References; 2 Rubidium and Cesium in Organic Synthesis; 2.1 Introduction; 2.2 Organo-, Silyl-, Germyl-, and Stannylmetal; 2.3 Fluoride Ion Source; 2.3.1 Nucleophilic Fluorination; 2.3.2 Desilylation Reactions
 2.3.2.1 Carbanion Equivalent Formation 2.3.2.2 Desilylation-Elimination; 2.4 Electrophilic Fluorination - Cesium Fluorosulfate; 2.5 Cesium Salts as Bases; 2.6 Cesium Enolate; 2.7 Catalytic Use; 2.8 Conclusion; 2.9 References; 3 Magnesium in Organic Synthesis; 3.1 Introduction; 3.2 Preparation of Organomagnesium Compounds; 3.2.1 Preparation from Alkyl Halides and Mg Metal; 3.2.2 Preparation with Rieke Magnesium; 3.2.3 Transmetalation; 3.2.4 Sulfoxide-Magnesium Exchange (Ligand Exchange Reaction of Sulfoxides with Grignard Reagent); 3.2.5 Hydromagnesation
 3.2.6 Metalation (Deprotonation from Strong Carbon Acids) 3.2.7 Other Preparative Methods; 3.3 Reaction of Organomagnesium Compounds; 3.3.1 Reaction with Organomagnesium Amides; 3.3.1.1 Preparation of Magnesium Monoamides and Bisamides; 3.3.1.2 Reaction with Organomagnesium Amide; 3.3.2 Cp(2)TiCl(2)- or Cp(2)ZrCl(2)-catalyzed Reaction with Grignard Reagents; 3.3.3 Substitution at Carbon by Organomagnesium Compounds; 3.3.4 Addition to Carbon-Carbon Multiple Bonds; 3.3.5 Addition of Organomagnesium Compounds to Carbonyl Groups; 3.4 Halogen-Magnesium Exchange Reactions
 3.4.1 Practical Examples of Halogen-Magnesium Exchange Reactions 3.4.1.1 Perfluoro Organomagnesium Reagents; 3.4.1.2 Polyhalogenated Arylmagnesium Reagents; 3.4.1.3 Exchange of Polyhalomethane Derivatives; 3.4.1.4 Preparation of Magnesiated Nitrogen-Heterocycles; 3.4.1.5 Formation of Enolates by Halogen-Magnesium Exchange; 3.4.1.6 Miscellaneous Reactions; 3.4.2 iPrMgBr-induced Halogen-Magnesium Exchange for the Preparation of Polyfunctional Organomagnesium Reagents; 3.4.2.1 Exchange Reaction of Aryl Halides; 3.4.2.2 Exchange Reaction of Heterocyclic Halides 3.4.2.3 Exchange Reaction of Alkenyl Halides

Sommario/riassunto

This is the first handbook to cover in detail all aspects of this fascinating field of chemistry. In this handy two-volume set, readers will instantly find the information they need, clearly structured according to the individual metals in the main groups, hitherto only accessible after much time-consuming research. The result is an indispensable aid for everyday work in the lab. Alongside all the classical organic reactions, this book focuses on the modern variations as well as novel, current reactions in organic synthesis that are closely linked to main group elements - both stoichiometric

2. Record Nr.	UNINA9911046550303321
Autore	Widjaja Raden Sjarief
Titolo	Marine Technology 2 / / edited by Raden Sjarief Widjaja, Hasanudin, Yuda Apri Hermawan, Azman Ismail, Fatin Nur Zulkipli, Andreas Öchsner
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Collana	Advanced Structured Materials, , 1869-8441 ; ; 240
Altri autori (Persone)	Hasanudin HermawanYuda Apri IsmailAzman ZulkipliFatin Nur ÖchsnerAndreas
Disciplina	623.8
Soggetti	Marine engineering Marine Engineering
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Optimization of a Propeller Boss Cap Fin Using the Response Surface Method -- Optimizing the Number of Mooring Lines to Enhance the Station Keeping of 12 MW Floating Offshore Wind Turbines -- Dynamic Response Analysis of Super Cone SCN 1800 Type Fender System due to Ship Operating Load Behavior -- Dynamic Analysis of a 5 MW Semi-Submersible Floating Offshore Wind Turbine in Arafura Sea Based on Fully Coupled Hydro-Aero-Servo-Elastic Modeling -- Fundamental Study of Suction Pile Performance and Seabed Interaction -- Integration and Optimization of a Dual Wave Energy System as the Future of Renewable Energy in Indonesia -- Monitoring Welders Performance in Flux-Cored Arc Welding Using Hand Motion Wearable Sensors and Support Vector Machine -- Fatigue Life Analysis of a Patrol Vessel with a Bimetal Structure -- Roll Decay Experiment on RoPax Open Car Deck with Inboard Side Casings and Outboard Side Casings -- Predicting Crack Growth in Ship Polyurethane-Steel Sandwich Structures: A Regression-Based Paris Law Coefficient Study -- Three-point Flexural Test Method to Investigate Damage Behavior of Polyurethane-Core

Sandwich Ship Structures -- Debonding Localization Assessment on Rectangular Sandwich Plates Using the Mode Shape Curvature Square Method -- Technical and Financial Feasibility Analysis of a Tidal Currents Power Plant -- Stress Concentration Factor Analysis for Welded Marine Structures: Benchmark Study on Utilization of Integrated 3D Laser Scanning and Finite Element Simulation -- A Numerical Study of the Sensitivity of Damage Conditions on the Turret Mooring to Motion Responses of Floating Liquefied Natural Gas Systems and Axial Tensions of Mooring Lines -- The Effect of Hoses Shape on End-Loads in Chinese Lantern Type of Subsea Hoses Based on Hydrodynamics Simulation -- Analysis of Hydrodynamic Motion Behavior at Various Porosities on Porous Single-Slope Floating Breakwaters -- Computational Fluid Dynamics Wave Reflection on Porous Double-Slope Floating Breakwaters -- Longitudinal Bending Strength in a High-Density Polyethylene Boat Hull due to Operational Condition -- Identification of Debonding Propagation in Ship Deck Sandwich Materials -- Experimental Investigation -- Numerical Study of the Effect of Tilt and Yaw Sofa Angles on Boiler Rear Pass Temperature Deviation and NOx Content on a Tangentially Fired Pulverized Coal Boiler at Negative Tilt Burner Angle -- Numerical Study of Optimal Combustion in a Tangentially-Fired Boiler Coal Boiler by Considering the Rear Pass Temperature -- Design and Evaluation of Silt Curtains and Geotextile for Minimizing Environmental Impact of Dredging Projects -- A Wind-Assisted Propulsion Ship within the Framework of Energy Efficiency and Decarbonization: An Overview -- Mechanisms of Bubbles Coalescence in a Circular Static Liquid Column -- Train Wheelset Vibration Effect to Pregnant Women: Review of Detection Methods to Minimize the Vibration Impact Towards Fetus Development -- Biosensor-Based Microfluidic Chip Fabrication for the treatment of Microbacteria in Women -- Liquefied Petroleum Gas Monitoring System -- Optimization of Forward Diving Plane Locations for a Fully Submerged Submarine -- Lifting Analysis of a Fixed Jacket Structure -- Investigation of Microstructure, Corrosion Behavior, and Hardness in Sensitized AISI 316 Stainless Steel Subjected to Solution Annealing -- Wafer Defects Inspection Using Image Processing Techniques -- Simulation Study on the Effect of Different Heat Sink Profiles for Energy Harvesting Application -- Harnessing LSTM for Nonlinear Current Modeling in Smart Energy Systems -- Hybrid CFD-NNARX Modeling of a Magnetorheological Fluid Single Valve -- Analysis of Active Compounds and Microbial Activity of Toothpaste Formulated from Citrus Hystrix and Lagenaria Siceraria.

Sommario/riassunto

This book explores a variety of research topics in marine technology delving into a wide array of crucial research topics within the maritime industry and its technology, encapsulating the latest research findings presented at The 8th International Conference on Marine Technology (SENTA 2023). It provides the exchange of recent knowledge, experiences, and innovations in the field of marine science and technology encompassing naval architecture and technology; marine system and safety; ocean, coastal, and offshore engineering; shipping, port, and maritime logistics; underwater technology; and advanced technology in maritime industry. This book covers studies ranging from ship design and production technique comprising ship design process, ship hydrodynamics, ship structure and advanced ship material, and ship management and production technology. The book also examines the invention in marine operation, marine machinery and maintenance system, and marine safety including digital technology in marine system and safety. It also addresses the topics on coastal, ocean, and offshore technology starting from coastal/offshore hydrodynamics,

ocean energy, mooring line analysis to offshore structure analysis. In addition, shipping, port, and marine logistic researches are also conveyed in this book especially on shipping operation optimization, port development, green port, and smart shipping development. Moreover, underwater technology and advanced technology in marine industry i.e. computer vision technology for underwater vehicles, digital technology on ship design and production, and advanced computer technology in port and shipping development are discovered. In overall, this book offers a cradle for the exchange of ground-breaking ideas, fostering collaboration, and potentially setting the stage for significant developments in the marine technology.

3. Record Nr.	UNINA9910954871103321
Autore	Hubner Hans <1930->
Titolo	Law in Paul's thought / / by Hans Hubner ; translated by James C.G. Greig ; edited by John Riches
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Collana	Studies of the New Testament and its world
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Livello bibliografico	Monografia
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Nota di bibliografia	Bibliography: pages 167-177.
Sommario/riassunto	"Until now Paul's theology has been treated in exegetical literature almost exclusively as a systematic ntil now Paul's theology has been treated in exegetical literature almost exclusively as a systematic whole. Here, by contrast, the attempt is made to show how Paul's theology can be adequately understood only when it is seen in relation

to its development. There is a decisive process of theological development between Galatians and Romans which in turn must be related to Paul's biography. *Law in Paul's Thought* examines the relation between Paul's teaching in Galatians and Romans, arguing that there is a major shift in emphasis between the two. An intriguing and concisely argued monograph, it points to a striking discord within Paul's view of the Law and asks whether these differences should not be explained in terms of development in Paul's theology. H bner skillfully traces the arguments and interconnections between arguments in the different passages, illuminating Paul's theology from law."--Bloomsbury Publishing.
