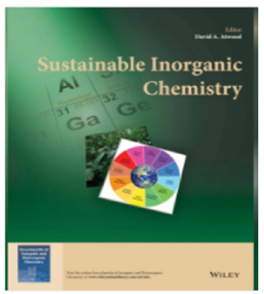
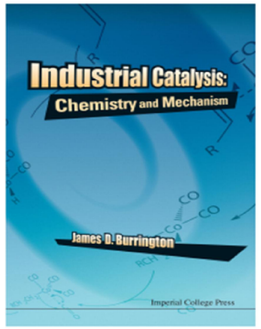
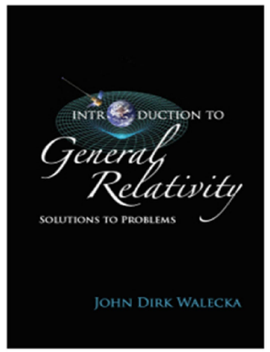
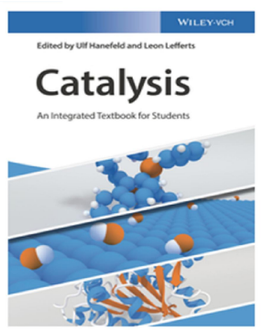
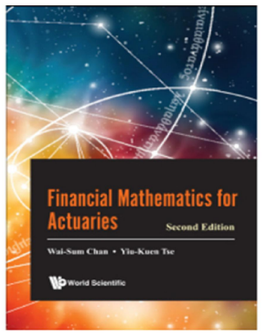
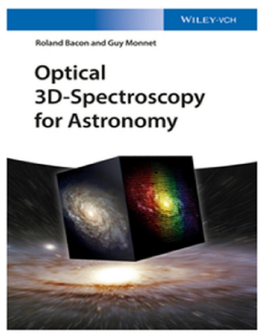
DAFTAR BUKU ELEKTRONIK (E-BOOK) WILEY E-TEXT

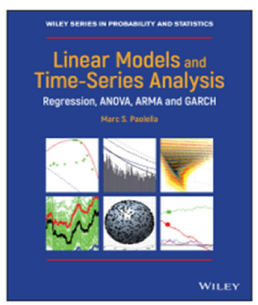
UNTUK: FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

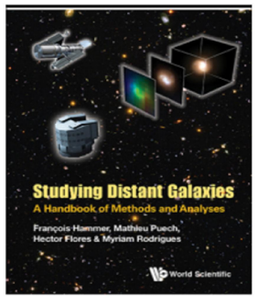
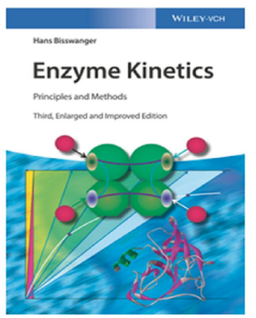
PUBLISHER: WILEY

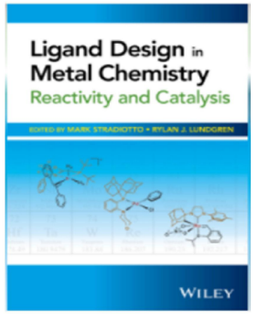
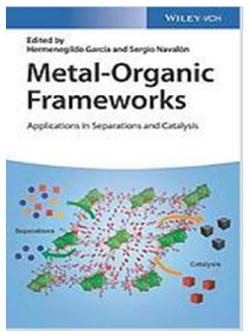
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
1	Sustainable Inorganic Chemistry 	Atwood	Wiley	2016	_	XV, 550 hlm. : ilus., diagram	9781118751473	9781118703427 1118703421	The Earth's Natural Resources Are Finite And Easily Compromised By Contamination From Industrial Chemicals And Byproducts From The Degradation Of Consumer Products. The Growing Field Of Green And Sustainable Chemistry Seeks To Address This Through The Development Of Products And Processes That Are Environmentally Benign While Remaining Economically Viable. Inorganic Chemistry Plays A Critical Role In This Endeavor In Areas Such As Resource Extraction And Isolation, Renewable Energy, Catalytic Processes, Waste Minimization And Avoidance, And Renewable Industrial Feedstocks. Sustainable Inorganic Chemistry Presents A Comprehensive Overview Of The Many New Developments Taking Place In This Rapidly Expanding Field, In Articles That Discuss Fundamental Concepts Alongside Cutting-Edge Developments And Applications. The Volume Includes Educational Reviews From Leading Scientists On A Broad Range Of Topics Including: Inorganic Resources, Sustainable Synthetic Methods, Alternative Reaction Conditions, Heterogeneous Catalysis, Photocatalysis, Sustainable Nanomaterials, Renewable And Clean Fuels, Water Treatment And Remediation, Waste Valorization And Life Cycle Sustainability Assessment. The Content From This Book Will Be Added Online To The Encyclopedia Of Inorganic And Bioinorganic Chemistry.	https://bookshelf.vitalsource.com/#/books/9781118751473
2	Industrial Catalysis: Chemistry And Mechanism 	Burrington James D	Wiley	2016	_	XVII, 277 hlm.: il.; graf.; 24 cm	9781783269006	9781783268986, 1783268980	*Industrial Catalysis: Chemistry and Mechanism* is an essential textbook for upper-level undergraduate and graduate students with an interest in the underlying concepts of catalysis, industrial organic chemistry and the mechanism of catalysis. For undergraduates it provides an introduction to the basic catalytic principles and industrial processes. Graduate students will find that the book gives an in-depth understanding of the mechanism of catalytic surface intermediates and the practice of modern catalysis research. For the post graduate and industrial chemist involved in catalysis research, it is a valuable reference text as a compendium of mechanisms by which major industrial catalytic processes operate. This unique book fills the gap between basic organic chemistry and fundamental chemical principles of catalysis, and is a must read for students and researchers in the field.	https://bookshelf.vitalsource.com/#/books/9781783269006

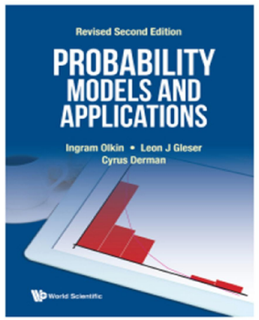
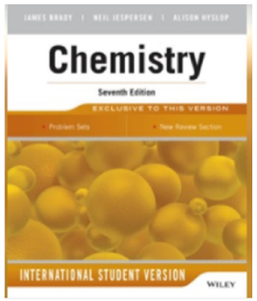
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
3	Introduction To General Relativity: Solutions To Problems 	Walecka John Dirk	Wiley	2017	_	viii, 207 hlm. ; 23 cm	9789813227712	9789813227699, 9813227699	It is important for every physicist today to have a working knowledge of Einstein's theory of general relativity. Introduction to General Relativity published in 2007 was aimed at first-year graduate students, or advanced undergraduates, in physics. Only a basic understanding of classical lagrangian mechanics is assumed; beyond that, the reader should find the material to be self-contained.The mechanics problem of a point mass constrained to move without friction on a two-dimensional surface of arbitrary shape serves as a paradigm for the development of the mathematics and physics of general relativity. Special relativity is reviewed. The basic principles of general relativity are then presented, and the most important applications are discussed. The final special topics section takes the reader up to a few areas of current research. An extensive set of accessible problems enhances and extends the coverage.As a learning and teaching tool, this current book provides solutions to those problems. This text and solutions manual are meant to provide an introduction to the subject. It is hoped that these books will allow the reader to approach the more advanced texts and monographs, as well as the continual influx of fascinating new experimental results, with a deeper understanding and sense of appreciation.	https://bookshelf.vitalsource.com/#/books/9789813227712
4	Catalysis: An Integrated Textbook for Students 	Ulf Hanefeld (Editor), Leon Lefferts (Editor)	Wiley	2017	1st ed.	XIII, [1], 370 hlm. : ilus. Sebagian berwarna ; 25 cm.	9783527810925	9783527341597, 3527341595	Written by an excellent, highly experienced and motivated team of lecturers, this textbook is based on one of the most successful courses in catalysis and as such is tried-and-tested by generations of graduate and PhD students. It covers all essential aspects of this important topic, including homogeneous, heterogeneous and biocatalysis, but also kinetics, reactor design and engineering. The perfect source of information for graduate and PhD students in chemistry and chemical engineering, as well as for scientists wanting to refresh their knowledge.	https://bookshelf.vitalsource.com/#/books/9783527810925

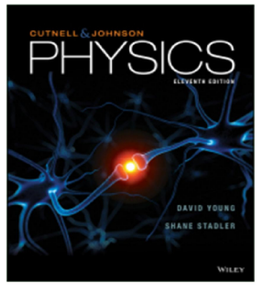
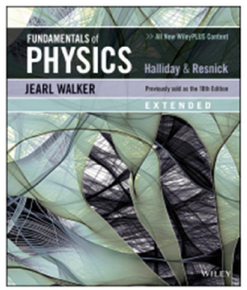
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
5	Financial Mathematics For Actuaries (Second Edition) 	Chan Wai-Sum Et Al	Wiley	2017	2nd ed.	372 hlm.	9789813224698	9789813224667, 9813224665	Financial Mathematics for Actuaries is a textbook for students in actuarial science, quantitative finance, financial engineering and quantitative risk management and is designed for a one-semester undergraduate course.Covering the theories of interest rates, with applications to the evaluation of cash flows, the pricing of fixed income securities and the management of bonds, this textbook also contains numerous examples and exercises and extensive coverage of various Excel functions for financial calculation. Discussions are linked to real financial market data, such as historical term structure, and traded financial securities.The topics discussed in this book are essential for actuarial science students. They are also useful for students in financial markets, investments and quantitative finance. Students preparing for examinations in financial mathematics with various professional actuarial bodies will also find this book useful for self-study.In this second edition, the recent additions in the learning objectives of the Society of Actuaries Exam FM have been covered.	https://bookshelf.vitalsource.com/#/books/9789813224698
6	Optical 3D-Spectroscopy for Astronomy 	Bacon	Wiley	2015	1st ed.	xiii, 276 hlm. : ilus.; diagram	9783527674848	9783527412020, 3527412026	Over the last 50 years, a variety of techniques have been developed to add a third dimension to regular imaging, with an extended spectrum associated to every imaging pixel. Dubbed 3D spectroscopy from its data format, it is now widely used in the astrophysical domain, but also inter alia for atmospheric sciences and remote sensing purposes. This is the first book to comprehensively tackle these new capabilities. It starts with the fundamentals of spectroscopic instruments, in particular their potentials and limits. It then reviews the various known 3D techniques, with particular emphasis on pinpointing their different `ecological? niches. Putative users are finally led through the whole observing process, from observation planning to the extensive ? and crucial - phase of data reduction. This book overall goal is to give the non-specialist enough hands-on knowledge to learn fast how to properly use and produce meaningful data when using such a 3D capability.	https://bookshelf.vitalsource.com/#/books/9783527674848

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
7	Chemicals and Methods for Conservation and Restoration: Paintings, Textiles, Fossils, Wood, Stones, Metals, and Glass 	Johannes Karl Fink	Wiley	2017		xiv, 276 hlm. ; 24 cm	9781119418887		Before The 1970s, Most Information Concerning The Conservation And Restoration Of Paintings, Wood, And Archaeological Artefacts Were Focused On The History Of The Artefacts, Previous Attempts Of Conservation, And The Future Use Of These Artefacts. The Technical Methods Of How The Restoration And Conservation Were Made Were Dealt With Only Very Briefly. Today, Sophisticated Methods Of Scientific Analysis Such As DNA Are Common Place, And This Encourages Conservators And Scientists To Work Together To Work Out The Development Of New Methods For Analysis And Conservation Of Artefacts. This Book Focuses On The Chemicals Used For Conservation And Restoration Of Various Artefacts In Artwork And Archaeology, As Well As Special Applications Of These Materials. Also The Methods Used, Both Methods For Cleaning, Conservation And Restoration, As Well As Methods For The Analysis Of The State Of The Respective Artefacts. Topics Include Oil Paintings, Paper Conservation, Textiles And Dyes For Them, Archaeological Wood, Fossils, Stones, Metals And Metallic Coins, And Glasses, Including Church Windows.	https://bookshelf.vitalsource.com/#/books/9781119418887
8	Linear Models and Time-Series Analysis: Regression, ANOVA, ARMA and GARCH 	Paolella	Wiley	2019	1st ed.	XVI, 880 hlm. : ilus. ; 25 cm.	9781119431985	9781119431909, 1119431905	A comprehensive and timely edition on an emerging new trend in time series. Linear Models and Time-Series Analysis: Regression, ANOVA, ARMA and GARCH sets a strong foundation, in terms of distribution theory, for the linear model (regression and ANOVA), univariate time series analysis (ARMAX and GARCH), and some multivariate models associated primarily with modeling financial asset returns (copula-based structures and the discrete mixed normal and Laplace). It builds on the author's previous book, Fundamental Statistical Inference: A Computational Approach, which introduced the major concepts of statistical inference. Attention is explicitly paid to application and numeric computation, with examples of Matlab code throughout. The code offers a framework for discussion and illustration of numerics, and shows the mapping from theory to computation. The topic of time series analysis is on firm footing, with numerous textbooks and research journals dedicated to it. With respect to the subject/technology, many chapters in Linear Models and Time-Series Analysis cover firmly entrenched topics (regression and ARMA). Several others are dedicated to very modern methods, as used in empirical finance, asset pricing, risk management, and portfolio optimization, in order to address the severe change in performance of many pension funds, and changes in how fund managers work. Covers traditional time series analysis with new guidelines Provides access to cutting edge topics that are at the forefront of financial econometrics and industry Includes latest developments and topics such as financial returns data, notably also in a multivariate context Written by a leading expert in time series analysis Extensively classroom tested Includes a tutorial on SAS Supplemented with a companion website containing numerous Matlab programs Solutions to most exercises are provided in the book Linear Models and Time-Series Analysis: Regression, ANOVA, ARMA and GARCH is suitable for advanced masters students in statistics and quantitative finance, as well as doctoral students in economics and finance. It is also useful for quantitative financial practitioners in large financial institutions and smaller finance outlets.	https://bookshelf.vitalsource.com/#/books/9781119431985

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
9	Studying Distant Galaxies: A Handbook Of Methods And Analyses 	Hammer Francois Et Al	Wiley	2016		xxx, 368 hlm. : ilus. (beberapa berwarna) ; 24 cm.	9781786340566	9781786340542, 1786340542	Distant galaxies encapsulate the various stages of galaxy evolution and formation from over 95% of the development of the universe. As early as twenty-five years ago, little was known about them, however since the first systematic survey was completed in the 1990s, increasing amounts of resources have been devoted to their discovery and research. This book summarises for the first time the numerous techniques used for observing, analysing, and understanding the evolution and formation of these distant galaxies.In this rapidly expanding research field, this text is an every-day companion handbook for graduate students and active researchers. It provides guidelines in sample selection, imaging, integrated spectroscopy and 3D spectroscopy, which help to avoid the numerous pitfalls of observational and analysis techniques in use in extragalactic astronomy. It also paves the way for establishing relations between fundamental properties of distant galaxies. At each step, the reader is assisted with numerous practical examples and ready-to-use methodology to help understand and analyse research.François Hammer worked initially in general relativity and made the first modelling of gravitational lenses prior to their spectroscopic confirmation. Following this, he became co-leader of the first complete survey of distant galaxies, the Canada-France-Redshift Survey. This led to the discovery of the strong decrease of the cosmic star formation density measured from UV light as z=1, which, alongside Hector Flores, they confirmed as bolometric and dust independent. With Mathieu Puech, they then pioneered the 3D spectroscopy of distant galaxies, leading to a major increase of understanding of the dynamic state of distant galaxies evidenced by the scatter of the Tully-Fisher relation. This led them to propose, with the addition to the team of Myriam Rodrigues, that galactic disks may survive or be rebuilt in gas-rich mergers, a scenario that is consistent with contemporary cosmological simulations. Besides extensive observational experience, the authors have led, or are leading, several instruments implemented or to be implemented at the largest telescopes, including VLT/Giraffe, VLT/X-shooter, VLT/MOONS and E-ELT/MOSAIC. They have also developed several observational techniques in adaptive optics, and in sky subtraction for integral field units and fibre instruments.	https://bookshelf.vitalsource.com/#/books/9781786340566
10	Enzyme Kinetics: Principles and Methods, 3rd, Enlarged and Improved Edition 	Hans Bisswanger	Wiley	2018	3rd ed.	xxx, 368 hlm. : ilus. (beberapa) ; 24 cm.	9783527806492	9783527342518, 3527342516	Now in full color for a more intuitive learning experience, this new edition of the long-selling reference also features a number of new developments in methodology and the application of enzyme kinetics.	https://bookshelf.vitalsource.com/#/books/9783527806492

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
11	Ligand Design in Metal Chemistry: Reactivity and Catalysis 	Mark Stradiotto (Editor), Rylan J. Lundgren (Editor), Stephen L. Buchwald (Foreword by), David Milstein (Foreword by)	Wiley	2016	_	xviii, 423 hlm., 12 hlm. Tidak diberi nomor)	9781118839812	_	The Design Of Ancillary Ligands Used To Modify The Structural And Reactivity Properties Of Metal Complexes Has Evolved Into A Rapidly Expanding Sub-Discipline In Inorganic And Organometallic Chemistry. Ancillary Ligand Design Has Figured Directly In The Discovery Of New Bonding Motifs And Stoichiometric Reactivity, As Well As In The Development Of New Catalytic Protocols That Have Had Widespread Positive Impact On Chemical Synthesis On Benchtop And Industrial Scales. Ligand Design In Metal Chemistry Presents A Collection Of Cutting-Edge Contributions From Leaders In The Field Of Ligand Design, Encompassing A Broad Spectrum Of Ancillary Ligand Classes And Reactivity Applications. Topics Covered Include: Key Concepts In Ligand Design Redox Non-Innocent Ligands Ligands For Selective Alkene Metathesis Ligands In Cross-Coupling Ligand Design In Polymerization Ligand Design In Modern Lanthanide Chemistry Cooperative Metal-Ligand Reactivity P,N Ligands For Enantioselective Hydrogenation Spiro-Cyclic Ligands In Asymmetric Catalysis This Book Will Be A Valuable Reference For Academic Researchers And Industry Practitioners Working In The Field Of Ligand Design, As Well As Those Who Work In The Many Areas In Which The Impact Of Ancillary Ligand Design Has Proven Significant, For Example Synthetic Organic Chemistry, Catalysis, Medicinal Chemistry, Polymer Science And Materials Chemistry.	https://bookshelf.vitalsource.com/#/books/9781118839812
12	Metal-Organic Frameworks: Applications in Separations and Catalysis 	Hermenegildo García; Sergio Navalón	Wiley	2018	_	xv, 514 hlm. : ilus. (beberapa berwarna) ; 25 cm	9783527809103	352734313X 9783527343133	Focusing On Applications In Separation, Adsorption And Catalysis, This Handbook Underlines The Importance Of This Hot And Exciting Topic. It Provides An Excellent Insight Into The Synthesis And Modification Of MOFs, Their Synthesis On An Industrial Scale, Their Use As CO2 And Chemical Warfare Adsorbers, And The Role Of Defects In Catalysis. In Addition, The Authors Treat Such New Aspects As Biocatalysis And Applications In Photocatalysis And Optoelectronic Devices.	https://bookshelf.vitalsource.com/#/books/9783527809103

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
13	Probability Models And Applications (Revised Second Edition) 	Olkin Ingram Et Al	Wiley	2019	2nd ed.	732 hlm.	9789813202061	9789813202030, 9813202033	Written by renowned experts in the field, this reissue of a textbook has as its unifying theme the role that probability models have had, and continue to have, in scientific and practical applications. It includes many examples, with actual data, of real-world use of probability models, while expositing the mathematical theory of probability at an introductory calculus-based level. Detailed descriptions of the properties and applications of probability models that have successfully modeled real phenomena are given, as well as an explanation of methods for testing goodness of fit of these models. Readers will receive a firm foundation in techniques for deriving distributions of various summaries of data that will prepare them for subsequent studies of statistics, as well as a solid grounding in concepts such as that of conditional probability that will prepare them for more advanced courses in stochastic processes.	https://bookshelf.vitalsource.com/#/books/9789813202061
14	Chemistry, ISV 7th Edition 	Jespersen (Brady)	Wiley	2014	7th ed.	_	9781118717158	_	Chemistry, Seventh Edition Provides The Necessary Practice, Support, Concept Mastery And Individualized Instruction That Ensure Success In The General Chemistry Course. The Unique "Chemical Tools" Approach Employed In This Book Provides A Way Of Thinking That Helps Readers Develop The Ability To Analyze And Solve Both Mathematical And Conceptual Problems.	https://bookshelf.vitalsource.com/#/books/9781118717158

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
15	Introduction to physics 	Cutnell	Wiley	2019	11th ed.	_	9781119326342	9781119391883, 1119391881	*Physics* continues to build on rich multimedia enhancements that encourage student engagement. ORION, the adaptive study guide, diagnoses student's strengths and weaknesses, leading them to the specific content and media needed to help them effectively learn. All ORION practice problems have hints and feedback. The course includes 259 short lecture videos, one for each course section, that explain the basic concepts and learning objectives. In addition, 150 Chalkboard problem-solving videos and guided online tutorials along with vector drawing questions enrich WileyPLUS. These features are designed to encourage students to remain within the WileyPLUS environment, as opposed to pursuing the "pay-for-solutions" websites and searching uncurated web content that short circuits and can confuse their learning process.	https://bookshelf.vitalsource.com/#/books/9781119326342
16	Principles of Physics, 11th Edition 	Halliday	Wiley Global Education US	2018	11th ed.	1368 hlm. : ilus. (berwarna)	9781119306856	9781119306849, 1119306841	*Fundamentals of Physics* is renowned for its superior problem-solving skills development, reasoning skills development, and emphasis on conceptual understanding. In this course, interactive pathways of online learning alternate between short content presentations such as video or readings and carefully guided student engagements to simulate a discourse style of teaching 24/7.	https://bookshelf.vitalsource.com/#/books/9781119306856