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List of Processed titles Date: 21st July 2023

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Acc no. 14081

Title The Biophysics of cell membranes: biological consequences

Author Epand, Richard M

Place Singapore

Publisher Springer

Date 2017

Page vii, 219p.

Subject Biophysics

2.

Call No. 530.12 SIQ9

Acc no. 14103

Title Quantum mechanics: a simplified approach

Author Siddiqui, Shabnam

Place Singapore

Publisher Routledge

Date 2018

Page xxi, 239p.

Subject Quantum mechanics

3.

Call No. 572 ZUP0

Acc no. 14075

Title Statistical physics of biomolecules

Author Zuckerman, Daniel M

Place Boca Raton

Publisher CRC Press

Date 2010

Page xxi, 334p.

Subject Statistical physics, Biomolecules

4.

Call No. 530.12 LOQ9

Acc no. 14127

Title Quantum worlds: perspectives on the ontology of quantum mechanics

Author Lombardi, Olimpia

Place New York

Publisher CUP

Date 2019

Page xii, 398p.

Subject Quantum mechanics

5.

Call No. 539.72 NIR0

Acc no. 14126

Title The Physics of polarized targets

Author Niinikoski, Tapio O

Place UK

Publisher CUP

Date 2020

Page xi, 522p.

Subject Quantum mechanics

6.

Call No. 539.72 NIR0

Acc no. 14128

Title Gravity: an introduction to Einstein's general relativity

Author Hartle, James B

Place UK

Publisher CUP

Date 2021

Page 531.14 HAR1

Subject Gravity, General Relativity

7.

Call No. 512.5 STQ6

Acc no. 14101

Title Introduction to linear algebra, 5th ed

Author Strang, Gilbert

Place UK

Publisher CUP

Date 2018

Page x, 573p.

Subject Gravity, General Rrelativity

8.

Call No. 531.1132 CHR2

Acc no. 14104

Title Wave dynamics

Author Chakraverty, S

Place New Jersey

Publisher World Scientific

Date 2022

Page xiv, 282p.

Subject Wave Dynamics

9.

Call No. 536.7 DIP0

Acc no. 14077

Title Molecular driving forces: statistical thermodynamics in biology

Author Dill, Ken A

Place New York

Publisher Garland Science

Date 2010

Page xx, 756p.

Subject Themodynamics in biology

10.
Call No. 541.22 LEP9

Acc no. 14078

Title Molecular modelling: principles and application

Author Leach, Andrew

Place India

Publisher Perason

Date 2010

Page xxiii, 744p.

Subject Molecular modeling

11.
Call No. 006.31 SCQ0

Acc no. 14079

Title Machine learning meets quantum physics

Author Schutt, Kristof T

Place Switzerland

Publisher Springer

Date 2020

Page xvi, 467p.

Subject Machine learning

12.
Call No. 004.1 LAP3

Acc no. 14080

Title Quantum information in gravitational fields

Author Lanzagorta, Marco

Place Switzerland

Publisher Springer

Date 2014

Page xii, multipagein

Subject Quantum information

13.

Call No. 004.1 GEQ9

Acc no. 14076

Title Hands on machine learning with scikit learn, keras and tensor flow

Author Geron, Aurelien

Place New Delhi

Publisher Shroff/ O'Relly

Date 2019

Page xxv, 819p.

Subject Machine learning

14.

Call No. 671.37 DIP9

Acc no. 14100

Title Powder diffraction: theory and practice

Author Dinnebier, R E

Place UK

Publisher RSC

Date 2009

Page xxi, 582p.

Subject Metal powder diffraction

15.

Call No. 530.11 BLR2

Acc no. 14138

Title 300 Problems in special and general relativity

Author Blennow, Mattias

Place UK

Publisher CUP

Date 2022

Page x, 354p.

Subject General relativity

16.

Call No. 519.536 SEQ0

Acc no. 14139

Title Linear models and regression with R

Author Sengupta, Debasis

Place Singapore

Publisher World Scientific

Date 2020

Page xxi, 750p.

Subject Linear Model

17.

Call No. 546.41 SZN4

Acc no. 14141

Title Handbook of Crystal structures and magnetic properties

Author Szytuka, Andrzej

Place New York

Publisher CRC

Date 2000

Page 282p.

Subject Linear Model

18.

Call No. 539.725 TAP3

Acc no. 14171

Title Spin fluctuation theory of itinerant electron magnetism

Author Takahashi, Yoshinori

Place Berlin

Publisher Springer

Date 2013

Page xi, 281p.

Subject Spin fluctuation

19.

Call No. 515.35 MAQ9

Acc no. 14161

Title Qualitative analysis of set-valued differential equations

Author Martynyuk, Anatoly A

Place Switzerland

Publisher Springer

Date 2019

Page xiii, 198p.

Subject Differential equations

20.

Call No. 537.6 WOR2

Acc no. 14149

Title Foundations of Molecular quantum electrodynamics

Author Woolley, R Guy

Place UK

Publisher CUP

Date 2022

Page xii, 477p.

Subject Molecular quantum electrodynamics

21.

Call No. 530.143 SHQ1

Acc no. 14136

Title Advanced topics in quantum field theory: a lecture course

Author Shifman, Mikhail

Place UK

Publisher CUP

Date 2021

Page xviii, 717p.

Subject Quantum field theory

22.
Call No. 539.72 RUR2

Acc no. 14153

Title Phenomenology of particle physics

Author Rubbia, Andre

Place UK

Publisher CUP

Date 2022

Page xviii, 1089p.

Subject Particle physics

23.
Call No. 530.12 WIR3

Acc no. 14152

Title Introduction to quantum field theory

Author Williams, Anthony G

Place UK

Publisher CUP

Date 2023

Page xix, 772p.

Subject Quantum field theory

24.
Call No. 539 FER3

Acc no. 14151

Title Modern physics

Author Felder, Gary N

Place UK

Publisher CUP

Date 2023

Page xix, 737p.

Subject Modern physics

25.
Call No. 530.12 KOR3

Acc no. 14150

Title Quantum mechanics for tomorrow's engineers

Author Kono, Junichiro

Place UK

Publisher CUP

Date 2023

Page xv, 202p.

Subject Modern physics

26.
Call No. 620.116 FEQ2

Acc no. 14148

Title Physics of flow in porous media

Author Feder, Jens

Place UK

Publisher CUP

Date 2023

Page xi, 348p.

Subject

27.
Call No. 519.536 VOP2

Acc no. 14169

Title Log-linear modeling: concepts, interpretation, and application

Author Von Eye, Alaxander

Place New Jersey

Publisher Wiley

Date 2023

Page xiii, 450p.

Subject Log-linear modeling

28.
Call No. 621.39 LIQ8

Acc no. 14154

Title Fundamentals of optical computing technology

Author Li, Xiujian

Place Singapore

Publisher Springer

Date 2018

Page xii, 295p.

Subject Optical computing

29.
Call No. 536.7 KAP7

Acc no. 14170

Title Finite time thermodynamics of power and refrigeration cycles

Author Kaushik, S C

Place New Delhi

Publisher Capital

Date 2018

Page xx, 343p.

Subject Thermodynamics

30.
Call No. 620.5 BAQ2

Acc no. 14159

Title Physics of nanostructured solid state devices

Author Bandyopadhyay, Supriyo

Place New Delhi

Publisher Springer

Date 2012

Page xix, 551p.

Subject Nanostructured devices

31.

Call No. 515 TRQ4

Acc no. 14158

Title Calculus with vectors

Author Trieman, Jay S

Place Switzerland

Publisher Springer

Date 2012

Page ix, 399p,

Subject Calculus

32.

Call No. 620.11597 HAQ7

Acc no. 14168

Title Magnetism in carbon nanostructures

Author Hagelberg, Frank

Place Switzerland

Publisher Springer

Date 2016

Page xiii, 420p.

Subject Carbon nanostructures

33

Call No. 530.143 FAQ0

Acc no. 14160

Title Quantum field theory

Author Fai, Lukong Cornelius

Place Boca Raton

Publisher CRC

Date 2020

Page xiii, 521p.

Subject Quantum field theory

34.

Call No. 535.15 MER1

Acc no. 14145

Title Quantum optics: taming the quantum

Author Meystre, Pierre

Place USA

Publisher Springer

Date 2021

Page xvi, 393p.

Subject Quantum optics

35.

Call No. 523 MER1

Acc no. 14147

Title Introduction to gravitaional lensing with python examples

Author Meneghetti, Massimo

Place Switzerland

Publisher Springer

Date 2021

Page xiii, 405p.

Subject Gravitation

36.

Call No. 530.144 NOP9

Acc no. 14142

Title Fundamentals of many body physics

Author Nolting, Wolfgang

Place Berlin

Publisher Springer

Date 2009

Page x,602p.

Subject Many body physics

37.
Call No. 006.31 SCR1

Acc no. 14144

Title Machine learning with quantum computers, 2nd ed

Author Schuld, Maria

Place Switzerland

Publisher Springer

Date 2021

Page xiv, 312p.

Subject Machine learning

38.
Call No. 530.12 WIR1

Acc no. 14146

Title Statistical approach to quantum field theory, 2nd ed

Author Wipf, Andreas

Place Germany

Publisher Springer

Date 2021

Page xxiv, 554p.

Subject Quantum field theory

39.
Call No. 523.1135 RYR1

Acc no. 14137

Title Interstellar and intergalactic medium

Author Ryden, Barbara

Place UK

Publisher CUP

Date 2021

Page xii, 248p.

Subject Interstellar medium

40.

Call No.	519.2 FLQ5
Acc no.	14140
Title	Probability and stochastic processes
Author	Florescu, Ionut
Place	Canada
Publisher	Wiley
Date	2015
Page	xxii, 551p.
Subject	Probability