



SRINIVASA RAMANUJAN LIBRARY
Indian Institute of Science Education and Research Pune
Dr. Homi Bhabha Road, Pune - 411008. India.
e-mail: libraryservices@iiserpune.ac.in

Monthly Bulletin of New Additions of Books DECEMBER 2022

Contents

Subject	Page No
ECONOMICS	2
NATURAL SCIENCES	2
MATHEMATICS	2
ASTRONOMY & ALLIED SCIENCES	2
PHYSICS	3
CHEMISTRY & ALLIED SCIENCES	7
EARTH SCIENCES	8
LIFE SCIENCES	8
MEDICAL SCIENCE & MEDICINE	8
ENGINEERING & ALLIED OPERATIONS	8
ARTS	8
LITERATURE & RHETORIC	9
GEOGRAPHY & HISTROY	9

330 ECONOMICS

Hansen, Lars Peter.

[Uncertainty within economic models.](#)

New Jersey: World Scientific, 2015. XXVII, 454.

330.015195/HAN

25557

Pauly, Peter H.

[Global economic modeling: a volume in honor of Lawrence R. Klein.](#)

New Jersey: World Scientific, 2018. XII, 332.

330.015195/PAU

25559

Sharpe, William F.

[William F. Sharpe: selected works.](#)

New Jersey: World Scientific, 2012. XXI, 692.

332.6/SHA

25558

500 NATURAL SCIENCES

Bethe, Hans A.

[Selected works of Hans A. Bethe: with commentary.](#)

Singapore: World Scientific, 1997. VIII, 605.

500.2/BET

25594

510 MATHEMATICS

Dixmier, Jacques.

[Von Neumann algebras.](#)

Amsterdam: North-Holland Pub. Co, 1981. XXXVIII, 437.

512.55/DIX

25618

Yang, Chen Ning.

[Topology and physics.](#)

New Jersey: World Scientific, 2018. VII, 222.

514/YAN

25548

Lakshmibai, Venkatramani.

[Grassmannian variety: geometric and representation-theoretic aspects.](#)

New York: Springer, 2015. X, 172.

516.353/LAK

25617

520 ASTRONOMY & ALLIED SCIENCES

Blandford, Roger D.

[Astrophysics and cosmology: proceedings of the 26th Solvay Conference on Physics, Brussels, Belgium, 9-11 October 2014.](#)

New Jersey: World Scientific, 2016. XIII, 357.

523.01/BLA

25574

Aoki, Yasumichi.

[Quest for the origin of particles and the universe: proceedings of the KMI Inauguration Conference, Nagoya University, Nagoya, Japan, 24-26 October 2011.](#)

New Jersey: World Scientific, 2013. XVIII, 397.

523.01972/AOK

25576

[Go to top](#)

Bahcall, John N.
[Dark matter in the universe.](#)
New Jersey: World Scientific, 2004. XII, 233.
523.1126/BAH
25562

Bethe, Hans A.
[Formation and evolution of black holes in the galaxy: selected papers with commentary.](#)
New Jersey: World Scientific, 2003. XI, 506.
523.8875/BET
25590

530 PHYSICS

Bethe, Hans A.
[From a life of physics.](#)
Singapore: World Scientific, 1989. IX, 92.
530/BET
25553

Brink, Lars.
[Memorial volume for Y. Nambu.](#)
Singapore: World Scientific, 2016. V, 159.
530/BRI
25552

Cassidy, David C.
[Understanding physics.](#)
New York: Springer, 2002. XXIII, 851.
530/CAS
25604

Chen, Fong-ching.
[Festschrift in Honor of the C N Yang Centenary: scientific papers.](#)
Singapore: World Scientific, 2022. V, 627.
530/CHE
25545

Hooft, G. 't.
[Playing with planets.](#)
New Jersey: World Scientific, 2008. VII, 143.
530/HOO
25563

Onsager, Lars.
[Collected works of Lars Onsager: with commentary.](#)
Singapore: World Scientific, 1996. X, 1075.
530/ONS
25596

Yang, Chen Ning.
[Selected papers II, with commentaries.](#)
New Jersey: World Scientific, 2013. X, 346.
530/YAN
25585

Giaever, Ivar.
["I am the smartest man I know": a Nobel laureate's difficult journey.](#)
Singapore: World Scientific, 2016. VI, 272.
530.092/GIA
25549

[Go to top](#)

Anderson, P. W.

[Career in theoretical physics.](#)

Singapore: World Scientific, 1994. XVI, 678.

530.1/AND

25561

Gross, David.

[Quantum structure of space and time: proceedings of the 23rd Solvay Conference on Physics, Brussels,](#)

Belgium, 1-3 December, 2005.

Singapore: World Scientific, 2007. XX, 272.

530.11/GRO

25577

Bell, J. S.

[Quantum mechanics, high energy physics and accelerators: selected papers of John S. Bell, with](#)

commentary. Singapore: World Scientific, 1995. XVII, 933.

530.12/BEL

25599

Bell, John. S.

[John S. Bell on the foundations of quantum mechanics.](#)

Singapore: World Scientific, 2001. VIII, 239.

530.12/BEL

25591

Chandra, Premi

[PWA90: a lifetime of emergence.](#)

New Jersey: World Scientific, 2016. IX, 222 IX, 222.

530.12/CHA

25547

Ezawa, Hiroshi.

[Garden of quanta: essays in honor of Hiroshi Ezawa.](#)

New Jersey: World Scientific, 2003. XXI, 502.

530.12/EZA

25564

Gross, David Jonathan.

[Theory of the quantum world: proceedings of the 25th Solvay Conference on Physics, Brussels, Belgium, 19-](#)

22 October, 2011.

Singapore: World Scientific, 2013. XXIII, 362.

530.12/GRO

25575

Bloch, Felix.

[Fundamentals of statistical mechanics: manuscript and notes of Felix Bloch.](#)

London: World Scientific, 2000. XII, 302.

530.13/BLO

25566

Thouless, D. J.

[Topological quantum numbers in nonrelativistic physics.](#)

Singapore: World Scientific, 1998. XII, 426.

530.143/THO

25593

Aoki, Yasumichi.

[Origin of mass and strong coupling gauge theories \(SCGT 15\) : proceedings of the Sakata Memorial KMI](#)

Workshop.

New Jersey: World Scientific, 2018. XIII, 392.

530.1435/AOK

25569

[Go to top](#)

Aoki, Yasumichi.

[Strong coupling gauge theories in the LHC perspective: proceedings of KMI-GCOE Workshop, Nagoya](#)

University, Nagoya, Japan, 4-7 December 2012.

New Jersey: World Scientific, 2014. XVI, 482.

530.1435/AOK

25573

Haridoss, Prathap.

[Physics of materials: essential concepts of solid-state physics.](#)

New Delhi: John Wiley & Sons, 2016. XVI, 252.

530.41/HAR

25610

Jose, Jorge V.

[40 years of Berezinskii-Kosterlitz-Thouless Theory.](#)

Singapore: World Scientific, 2013. XII, 351.

530.41/JOS

25556

Bloembergen, N.

[Encounters in nonlinear optics : selected papers of Nicolaas Bloembergen, with commentary.](#)

Singapore: World Scientific, 1996. XV, 622.

535.2/BLO

25595

Bloembergen, N.

[Nonlinear optics.](#)

Singapore: World Scientific, 1996. XIII, 172.

535.2/BLO

25598

Chu, Steven.

[Proceedings of the XV international conference on laser spectroscopy: Snowbird, Utah, USA, 10-15 June 2001.](#)

New Jersey: World Scientific, 2002. XIV, 368.

535.84/CHU

25580

Wieman, Carl Edwin.

[Collected papers of Carl Wieman.](#)

New Jersey: World Scientific, 2008. XI, 812.

535.84/WIE

25587

Ramsey, Norman.

[Spectroscopy with coherent radiation: selected papers of Norman F. Ramsey with commentary.](#)

Singapore: World Scientific, 1998. XXXVIII, 417.

537.534/RAM

25565

Novoselov, Konstantin S.

[Molecular interactions on two-dimensional materials.](#)

Singapore: World Scientific, 2022. VIII, 439.

537.6223/NOV

25600

Cooper, Leon N.

[BCS: 50 years.](#)

New Jersey: World Scientific, 2011. IX, 575.

537.623/COO

25550

[Go to top](#)

Wilczek, Frank.

[Fractional statistics and anyon superconductivity.](#)

Singapore: World Scientific, 1990. IX, 447.

537.6236/WIL

25571

Boebinger, G.

[Proceedings of physical phenomena at high magnetic fields-IV: Santa Fe, New Mexico, USA, 19-25 October 2001.](#)

Singapore: World Scientific, 2002. XXI, 519.

538.3/BOE

25579

Bloembergen, N.

[Encounters in magnetic resonances: selected papers of Nicolaas Bloembergen: with commentary.](#)

Singapore: World Scientific, 1996. X, 550.

538.36/BLO

25597

Brink, Lars.

[Memorial volume on Abdus Salam's 90th birthday.](#)

New Jersey: World Scientific, 2017. XIII, 528.

539/BRI

25551

Ashkin, Arthur.

[Optical trapping and manipulation of neutral particles using lasers.](#)

Singapore: World Scientific, 2006. XXIV, 915.

539.7/ASH

25546

Cohen-Tannoudji, Claude.

[Advances in atomic physics: an overview.](#)

Singapore: World Scientific, 2011. XXV, 767.

539.7/COH

25572

Cohen-Tannoudji, Claude.

[Atoms in electromagnetic fields.](#)

New Jersey: World Scientific, 2004. XV, 752.

539.7/COH

25589

Madison, Kirk W.

[Annual review of cold atoms and molecules Vol.02](#)

New Jersey: World Scientific, 2014. XI, 238.

539.7/MAD

25555

Madison, Kirk W.

[Annual review of cold atoms and molecules Vol.01.](#)

New Jersey: World Scientific, 2014. XI, 238.

539.7/MAD

25560

Yang, Chen Ning.

[Selected papers \(1945-1980\), with commentary.](#)

New Jersey: World Scientific, 2008. 603.

539.7/YAN

25588

[Go to top](#)

Perl, Martin L.
[Reflections on experimental science.](#)
Singapore: World Scientific, 1996. XII, 537.
539.72/PER
25583

Baal, Pierre. Van
[Taming the forces between quarks and gluons: calorons out of the box: scientific papers.](#)
Singapore: World Scientific, 2013. VIII, 501.
539.721/BAA
25584

Nambu, Yoichiro.
[Quarks : frontiers in elementary particle physics.](#)
Philadelphia: World Scientific, 1981. XI, 228.
539.721/NAM
25570

Kajita, Takaaki.
[Experimental studies of neutrino oscillations.](#)
New Jersey: World Scientific, 2016. VII, 98.
539.7215/KAJ
25581

Fritzsche, Harald.
[50 years of quarks.](#)
New Jersey: World Scientific, 2015. X, 506.
539.72167/FRI
25554

Bohr, Aage
[Nuclear structure Vol.01: single particle motion.](#)
Singapore: World Scientific, 1998. XV, 471.
539.74/BOH
25567

Bohr, Aage
[Nuclear structure Vol.02: nuclear deformations.](#)
Singapore: World Scientific, 1998. XIX, 748.
539.74/BOH
25568

Zichichi, Antonino.
[Creation of quantum chromodynamics and the effective energy: in honour of A. Zichichi on the occasion of the Galvani bicentenary celebrations.](#)
Singapore: World Scientific, 2000. XVIII, 351.
539.7548/ZIC
25592

Charpak, Georges.
[Research on particle imaging detectors.](#)
Singapore: World Scientific, 1995. XXXIV, 650.
539.77/CHA
25544

540 CHEMISTRY & ALLIED SCIENCES

Mathur, Yamini
[Methylation reactions in the anaerobic biosynthesis of the lower ligand of vitamin B12.](#)
PUNE: IISER, PUNE, September -2022. XV, 139.
540/MAT
TH371

Müller, Karl A.
[Properties of perovskites and other oxides.](#)
Singapore: World Scientific, 2010. XVIII, 562.
546.6/MUL
25586

550 EARTH SCIENCES

Hoefs, Jochen.
[Stable isotope geochemistry.](#)
Switzerland: Springer, 2021. XXV, 504.
551.9/HOE
25606

570 LIFE SCIENCES

Joshi, Maneesh.
[Elucidating different aspects of protocell emergence on the early Earth.](#)
PUNE: IISER, PUNE, July- 2022. 120.
570/JOS
TH370

Pardasani, Meenakshi.
[Neural circuit mechanisms of early life stress induced olfactory perceptual deficits in mice.](#)
PUNE: IISER, PUNE, April -2022. 178.
570/PAR
TH369

Venkataravi, Aishwarya.
[Effect of DNA damage on microtubule dynamics.](#)
PUNE: IISER, PUNE, December 2022. XVII, 124.
570/VEN
TH372

610 MEDICINAL SCIENCES & MEDICINE

Cooper, Leon N.
[How we learn, how we remember: toward an understanding of brain and neural systems : selected papers of Leon N. Cooper.](#)
Singapore: World Scientific, 1995. X, 395.
612.82/COO
25582

Cooper, Leon N.
[Theory of cortical plasticity.](#)
New Jersey: World Scientific, 2004. XXIV, 308.
612.825/COO
25578

620 ENGINEERING & ALLIED OPERATIONS

Menard, Kevin P.
[Dynamic mechanical analysis.](#)
Boca Raton: CRC Press, 2020. XX, 260.
620.192/MEN
25619

700 ARTS

Novoselov, Kostya S.
[New architecture of science: learning from Graphene.](#)
New Jersey: World Scientific, 2020. IX, 238.
727.55/NOV
25601

800 LITERATURE & RHETORIC

Ball, John Clement.

[Satire & the postcolonial novel: V. S. Naipaul, Chinua Achebe, Salman Rushdie.](#)

New York: Routledge, 2003. X, 213.

823.91409/BAL

25605

900 GEOGRAPHY & HISTORY

Parekh, Bhikhu C.

[Gandhi's political philosophy: a critical examination.](#)

Basingstoke: Macmillan academic and professional ltd, 1989. IX, 248.

954.0350924/PAR

25603

[Go to top](#)