

Springer

1st
edition

2007, XX, 588 p. 300 illus.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-0-387-30452-6

\$ 249,99

Available

Discount group

Professional Books (2)

Product category

Monograph

Series

Springer Series in Optical Sciences

Other renditions

Softcover

ISBN 978-1-4419-4027-8

Physics : Optics, Lasers, Photonics, Optical Devices

Phipps, Claude (Ed.), Photonic Associates, LLC., Santa Fe, NM, USA

Laser Ablation and its Applications

- The only book that combines the most recent results in this rapidly advancing field
- A useful reference for researchers involved in Semiconductor Device Manufacture and Physical Chemistry

Laser ablation describes the interaction of intense optical fields with matter, in which atoms are selectively driven off by thermal or nonthermal mechanisms. The field of laser ablation physics is advancing so rapidly that its principal results are seen only in specialized journals and conferences. This will be the first book that combines the most recent results in this rapidly advancing field with authoritative treatment of laser ablation and its applications, including the physics of high-power laser-matter interaction. Many practical applications exist, ranging from inertial confinement fusion to propulsion of aerostats for pollution monitoring to laser ignition of hypersonic engines to laser cleaning nanoscale contaminants in high-volume computer hard drive manufacture to direct observation of the electronic or dissociative states in atoms and molecules, to studying the properties of materials during 200kbar shocks developed in 200fs.

Order online at springer.com/booksellers**Springer Nature Customer Service Center LLC**

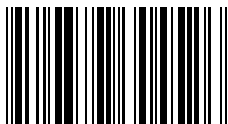
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com

ISBN 978-0-387-30452-6 / BIC: PHJ / SPRINGER NATURE: SCP31030

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**