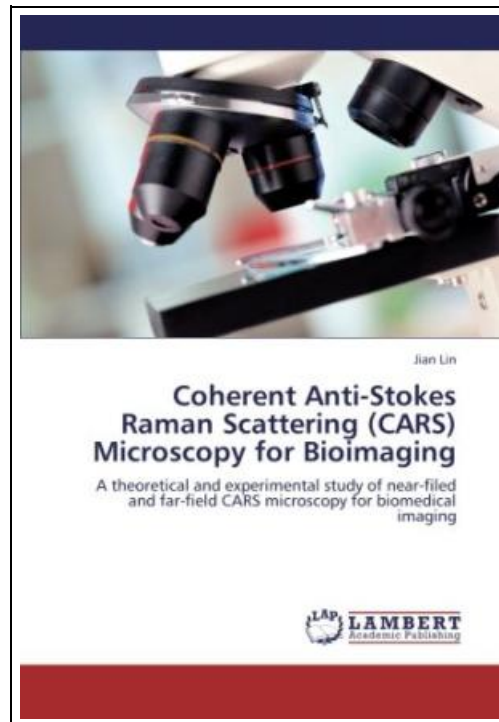


Coherent Anti-Stokes Raman Scattering (CARS) Microscopy for Bioimaging



Filesize: 2.37 MB

Reviews

This ebook is very gripping and fascinating. Sure, it is engage in, nevertheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Ms. Ora Buckridge)

COHERENT ANTI-STOKES RAMAN SCATTERING (CARS) MICROSCOPY FOR BIOIMAGING



To get **Coherent Anti-Stokes Raman Scattering (CARS) Microscopy for Bioimaging** PDF, remember to refer to the button below and save the document or get access to other information which might be in conjunction with COHERENT ANTI-STOKES RAMAN SCATTERING (CARS) MICROSCOPY FOR BIOIMAGING book.

LAP Lambert Academic Publishing Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 221x149x12 mm. Neuware - Coherent anti-Stokes Raman scattering (CARS) microscopy is a nonlinear Raman imaging technique that has received great attention for biological and biomedical imaging due to its ability of real-time, nonperturbative chemical mapping of live unstained cells and tissue based on molecular vibrations. However, the strong nonresonant background reduces the image contrast and sensitivity of CARS imaging. Its spatial resolution is limited by light diffraction. This research has systematically studied the near-field (NF) effects of nanoparticle sizes, orientations, polarization of excitations on NF-CARS imaging using FDTD method, and has developed a radially polarized near-field tip-enhanced (TE) CARS system for high-resolution vibrational imaging and a unique annular-aperture detection scheme for suppressing the solvent background. The novel TE-CARS technique and the multimodal nonlinear optical microscopy imaging platform developed in this work have great potential to provide new insights into better understanding of morphological, biochemical and biomolecular changes associated with tissue and cell pathologic transformation at the tissue, cellular and molecular levels without labeling. 120 pp. Englisch.



[Read Coherent Anti-Stokes Raman Scattering \(CARS\) Microscopy for Bioimaging Online](#)

[Download PDF Coherent Anti-Stokes Raman Scattering \(CARS\) Microscopy for Bioimaging](#)

See Also



[PDF] Psychologisches Testverfahren

Follow the web link below to read "Psychologisches Testverfahren" PDF document.

[Download](#) [ePub](#)

»



[PDF] Programming in D

Follow the web link below to read "Programming in D" PDF document.

[Download](#) [ePub](#)

»



[PDF] Czech Suite, Op.39 / B.93: Study Score

Follow the web link below to read "Czech Suite, Op.39 / B.93: Study Score" PDF document.

[Download](#) [ePub](#)

»



[PDF] Adobe Indesign CS/Cs2 Breakthroughs

Follow the web link below to read "Adobe Indesign CS/Cs2 Breakthroughs" PDF document.

[Download](#) [ePub](#)

»



[PDF] The Java Tutorial (3rd Edition)

Follow the web link below to read "The Java Tutorial (3rd Edition)" PDF document.

[Download](#) [ePub](#)

»



[PDF] Cool Cars: Set 12: Non-Fiction

Follow the web link below to read "Cool Cars: Set 12: Non-Fiction" PDF document.

[Download](#) [ePub](#)

»