1. Spectroscopy and physics of atoms and molecules
2. Spectroscopy of condensed state
3. Physical optics
4. Holography
5. Laser physics and laser optics
6. Nonlinear optics
7. Coherent optics
8. Statistical optics
9. High-power fields and ultrashort optical pulses
10. Optical materials
11. Optics of low-dimensional structures, mesostructures, and metamaterials
12. High-precision optical measurements and metrology
13. Optical sensors and transducers
14. Optomechanics
15. Fiber optics and integrated optics
16. Optics of surfaces and interfaces
17. Optical communication, optical information science, and optical computations
18. Nanophotonics
19. Plasmonics
20. Biophotonics
21. UV, IR, and terahertz optics
22. Geometrical optics
23. Applied optics