

Subject Index to Volume 68

ActA

Actin; Cell motility; *Listeria*; Polymerization; Zyxin (Golsteyn, R.M. (68) 73)

Actin

ActA; Cell motility; *Listeria*; Polymerization; Zyxin (Golsteyn, R.M. (68) 73)

ADH

Aquaporins; Progesterone and water transport; Water channels; Epithelial barriers permeability (Parisi, M. (68) 255)

Alzheimer's disease

Nuclear magnetic resonance spectroscopy; Neuronal markers; Neurochemistry disorders; Neurotransmitters (Ross, B.D. (68) 161)

Aminophospholipid translocase

Phospholipid asymmetry; Flippase; P-glycoprotein; Scramblase (Dolis, D. (68) 221)

Antisense

PNA; Peptide nucleic acid; Nucleic acid hybridization (Nielsen, P.E. (68) 103)

Aquaporins

Progesterone and water transport; ADH; Water channels; Epithelial barriers permeability (Parisi, M. (68) 255)

Assembly

Virus structure; Protein dynamics; Hydrogen-isotope exchange; Raman spectroscopy; Bacteriophage P22 (Tuma, R. (68) 17)

ATPase

E. coli; NMR spectroscopy; Subunits (Wilkins, S. (68) 95)

Single-molecule imaging; Motor protein; Fluorescence microscopy (Funatsu, T. (68) 63)

Bacteriophage P22

Virus structure; Assembly; Protein dynamics; Hydrogen-isotope exchange; Raman spectroscopy (Tuma, R. (68) 17)

Bilayer

Solid-state; NMR; Protein; Gramicidin; Cardiotoxin (Auger, M. (68) 233)

Biophysical studies

myb-DNA system; R123 domain (Hosur, R.V. (68) 147)

Brain imaging

Multimodality registration; Multimodality visualization; Functional-anatomical integration (Viergever, M.A. (68) 207)

Canonical structures

Immunoglobulin structure; Hypervariable loops; Structure prediction; Protein design; Hair-pin loops (Morea, V. (68) 9)

Cardiotoxin

Solid-state; NMR; Bilayer; Protein; Gramicidin (Auger, M. (68) 233)

Cell motility

ActA; Actin; *Listeria*; Polymerization; Zyxin (Golsteyn, R.M. (68) 73)

Cervical cancer

Chemical shift imaging; Magnetic resonance spectroscopy; Thyroid cancer; Pathology (Mountford, C.E. (68) 127)

Chemical shift imaging

Magnetic resonance spectroscopy; Cervical cancer; Thyroid cancer; Pathology (Mountford, C.E. (68) 127)

Conformation

Ganglioside GM₃; Sarcoplasmic reticulum Ca²⁺-ATPase; Proteoliposomes (Yang, F.Y. (68) 137)

Crossbridges

Muscle fibre; Myofilaments; Skeletal muscle; Stretches; Viscosity (Cecchi, G. (68) 1)

Disassembly

Sesbania mosaic virus; Protein structure; X-Ray diffraction (Murthy, M.R.N. (68) 33)

Disulfide bonds

Intermediate filament; Wool; α -Keratin; Mass measurements; X-ray diffraction (Jones, L.N. (68) 83)

E. coli

ATPase; NMR spectroscopy; Subunits (Wilkins, S. (68) 95)

Education and development

Modern science; Science education; Information overload; Super-specialization (De Meis, L. (68) 243)

Electron transfer

High pressure; Energy relaxation; Picosecond fluorescence; Pigment-protein complexes; Photosynthesis (Freiberg, A. (68) 189)

Electrospray ionization

Mass spectrometry; Matrix-assisted laser desorption/ionization; Glycoproteins; Glycolipids; Oligosaccharides; Muramyl peptides; Proteins (Costello, C.E. (68) 173)

Energy relaxation

High pressure; Electron transfer; Picosecond fluorescence; Pigment-protein complexes; Photosynthesis (Freiberg, A. (68) 189)

Epithelial barriers permeability

Aquaporins; Progesterone and water transport; ADH; Water channels (Parisi, M. (68) 255)

Exon shuffling

Heme proteins; Molecular evolution; Protein engineering (Wakasugi, K. (68) 265)

Flippase

Phospholipid asymmetry; Aminophospholipid translocase; P-glycoprotein; Scramblase (Dolis, D. (68) 221)

Fluorescence microscopy

Single-molecule imaging; Motor protein; ATPase (Funatsu, T. (68) 63)

Functional-anatomical integration

Brain imaging; Multimodality registration; Multimodality visualization (Viergever, M.A. (68) 207)

Ganglioside GM₃

Sarcoplasmic reticulum Ca²⁺-ATPase; Proteoliposomes; Conformation (Yang, F.Y. (68) 137)

Glycolipids

Mass spectrometry; Electrospray ionization; Matrix-assisted laser desorption/ionization; Glycoproteins; Oligosaccharides; Muramyl peptides; Proteins (Costello, C.E. (68) 173)

Glycoproteins

Mass spectrometry; Electrospray ionization; Matrix-assisted laser desorption/ionization; Glycolipids; Oligosaccharides; Muramyl peptides; Proteins (Costello, C.E. (68) 173)

Gramicidin

Solid-state; NMR; Bilayer; Protein; Cardiotoxin (Auger, M. (68) 233)

Hair bundle micromechanics

Hair cells; Mechano-electrical transduction; Tectorial structure

mechanics; Mechanical tuning; Lateral line (Van Netten, S.M. (68) 43)

Hair cells

Mechano-electrical transduction; Hair bundle micromechanics; Tectorial structure mechanics; Mechanical tuning; Lateral line (Van Netten, S.M. (68) 43)

Hair-pin loops

Immunoglobulin structure; Hypervariable loops; Canonical structures; Structure prediction; Protein design (Morea, V. (68) 9)

Heme proteins

Exon shuffling; Molecular evolution; Protein engineering (Wakasugi, K. (68) 265)

High pressure

Electron transfer; Energy relaxation; Picosecond fluorescence; Pigment-protein complexes; Photosynthesis (Freiberg, A. (68) 189)

Hydrogen-isotope exchange

Virus structure; Assembly; Protein dynamics; Raman spectroscopy; Bacteriophage P22 (Tuma, R. (68) 17)

Hypervariable loops

Immunoglobulin structure; Canonical structures; Structure prediction; Protein design; Hair-pin loops (Morea, V. (68) 9)

Immunoglobulin structure

Hypervariable loops; Canonical structures; Structure prediction; Protein design; Hair-pin loops (Morea, V. (68) 9)

Information overload

Modern science; Science education; Super-specialization; Education and development (De Meis, L. (68) 243)

Infrared imaging

Molecular medicine; Infrared spectroscopy; Medical diagnosis (Jackson, M. (68) 109)

Infrared spectroscopy

Molecular medicine; Infrared imaging; Medical diagnosis (Jackson, M. (68) 109)

Intermediate filament

Wool; α -Keratin; Disulfide bonds; Mass measurements; X-ray diffraction (Jones, L.N. (68) 83)

 α -Keratin

Intermediate filament; Wool; Disulfide bonds; Mass measurements; X-ray diffraction (Jones, L.N. (68) 83)

Lateral line

Hair cells; Mechano-electrical transduction; Hair bundle micromechanics; Tectorial structure mechanics; Mechanical tuning (Van Netten, S.M. (68) 43)

Listeria

ActA; Actin; Cell motility; Polymerization; Zyxin (Golsteyn, R.M. (68) 73)

Magnetic resonance spectroscopy

Chemical shift imaging; Cervical cancer; Thyroid cancer; Pathology (Mountford, C.E. (68) 127)

Mass measurements

Intermediate filament; Wool; α -Keratin; Disulfide bonds; X-ray diffraction (Jones, L.N. (68) 83)

Mass spectrometry

Electrospray ionization; Matrix-assisted laser desorption/ionization; Glycoproteins; Glycolipids; Oligosaccharides; Muramyl peptides; Proteins (Costello, C.E. (68) 173)

Matrix-assisted laser desorption/ionization

Mass spectrometry; Electrospray ionization; Glycoproteins; Glycolipids; Oligosaccharides; Muramyl peptides; Proteins (Costello, C.E. (68) 173)

Mechanical tuning

Hair cells; Mechano-electrical transduction; Hair bundle micromechanics; Tectorial structure mechanics; Lateral line (Van Netten, S.M. (68) 43)

Mechano-electrical transduction

Hair cells; Hair bundle micromechanics; Tectorial structure mechanics; Mechanical tuning; Lateral line (Van Netten, S.M. (68) 43)

Medical diagnosis

Molecular medicine; Infrared spectroscopy; Infrared imaging (Jackson, M. (68) 109)

Modern science

Science education; Information overload; Super-specialization; Education and development (De Meis, L. (68) 243)

Molecular evolution

Heme proteins; Exon shuffling; Protein engineering (Wakasugi, K. (68) 265)

Molecular medicine

Infrared spectroscopy; Infrared imaging; Medical diagnosis (Jackson, M. (68) 109)

Motor protein

Single-molecule imaging; ATPase; Fluorescence microscopy (Funatsu, T. (68) 63)

Multimodality registration

Brain imaging; Multimodality visualization; Functional-anatomical integration (Viergever, M.A. (68) 207)

Multimodality visualization

Brain imaging; Multimodality registration; Functional-anatomical integration (Viergever, M.A. (68) 207)

Muramyl peptides

Mass spectrometry; Electrospray ionization; Matrix-assisted laser desorption/ionization; Glycoproteins; Glycolipids; Oligosaccharides; Proteins (Costello, C.E. (68) 173)

Muscle fibre

Crossbridges; Myofilaments; Skeletal muscle; Stretches; Viscosity (Cecchi, G. (68) 1)

myb-DNA system

R123 domain; Biophysical studies (Hosur, R.V. (68) 147)

Myofilaments

Crossbridges; Muscle fibre; Skeletal muscle; Stretches; Viscosity (Cecchi, G. (68) 1)

Neurochemistry disorders

Nuclear magnetic resonance spectroscopy; Neuronal markers; Alzheimer's disease; Neurotransmitters (Ross, B.D. (68) 161)

Neuronal markers

Nuclear magnetic resonance spectroscopy; Neurochemistry disorders; Alzheimer's disease; Neurotransmitters (Ross, B.D. (68) 161)

Neurotransmitters

Nuclear magnetic resonance spectroscopy; Neuronal markers; Neurochemistry disorders; Alzheimer's disease (Ross, B.D. (68) 161)

NMR

Solid-state; Bilayer; Protein; Gramicidin; Cardiotoxin (Auger, M. (68) 233)

NMR spectroscopy

E. coli; ATPase; Subunits (Wilkins, S. (68) 95)

Nuclear magnetic resonance spectroscopy

Neuronal markers; Neurochemistry disorders; Alzheimer's disease; Neurotransmitters (Ross, B.D. (68) 161)

Nucleic acid hybridization

PNA; Peptide nucleic acid; Antisense (Nielsen, P.E. (68) 103)

Oligosaccharides

Mass spectrometry; Electrospray ionization; Matrix-assisted laser desorption/ionization; Glycoproteins; Glycolipids; Muramyl peptides; Proteins (Costello, C.E. (68) 173)

Pathology

Chemical shift imaging; Magnetic resonance spectroscopy; Cervical cancer; Thyroid cancer (Mountford, C.E. (68) 127)

Peptide nucleic acid

PNA; Antisense; Nucleic acid hybridization (Nielsen, P.E. (68) 103)

P-glycoprotein

Phospholipid asymmetry; Aminophospholipid translocase; Flippase; Scramblase (Dolis, D. (68) 221)

Phospholipid asymmetry

Aminophospholipid translocase; Flippase; P-glycoprotein; Scramblase (Dolis, D. (68) 221)

Photosynthesis

High pressure; Electron transfer; Energy relaxation; Picosecond fluorescence; Pigment-protein complexes (Freiberg, A. (68) 189)

Picosecond fluorescence

High pressure; Electron transfer; Energy relaxation; Pigment-protein complexes; Photosynthesis (Freiberg, A. (68) 189)

Pigment-protein complexes

High pressure; Electron transfer; Energy relaxation; Picosecond fluorescence; Photosynthesis (Freiberg, A. (68) 189)

PNA

Peptide nucleic acid; Antisense; Nucleic acid hybridization (Nielson, P.E. (68) 103)

Polymerization

ActA; Actin; Cell motility; *Listeria*; Zyxin (Golsteyn, R.M. (68) 73)

Progesterone and water transport

Aquaporins; ADH; Water channels; Epithelial barriers permeability (Parisi, M. (68) 255)

Protein

Solid-state; NMR; Bilayer; Gramicidin; Cardiotoxin (Auger, M. (68) 233)

Protein design

Immunoglobulin structure; Hypervariable loops; Canonical structures; Structure prediction; Hair-pin loops (Morea, V. (68) 9)

Protein dynamics

Virus structure; Assembly; Hydrogen-isotope exchange; Raman spectroscopy; Bacteriophage P22 (Tuma, R. (68) 17)

Protein engineering

Heme proteins; Exon shuffling; Molecular evolution (Wakasugi, K. (68) 265)

Proteins

Mass spectrometry; Electrospray ionization; Matrix-assisted laser desorption/ionization; Glycoproteins; Glycolipids; Oligosaccharides; Muramyl peptides (Costello, C.E. (68) 173)

Protein structure

Sesbania mosaic virus; X-Ray diffraction; Disassembly (Murthy, M.R.N. (68) 33)

Proteoliposomes

Ganglioside GM₃; Sarcoplasmic reticulum Ca²⁺-ATPase; Conformation (Yang, F.Y. (68) 137)

Raman spectroscopy

Virus structure; Assembly; Protein dynamics; Hydrogen-isotope exchange; Bacteriophage P22 (Tuma, R. (68) 17)

R123 domain

myb-DNA system; Biophysical studies (Hosur, R.V. (68) 147)

Sarcoplasmic reticulum Ca²⁺-ATPase

Ganglioside GM₃; Proteoliposomes; Conformation (Yang, F.Y. (68) 137)

Science education

Modern science; Information overload; Super-specialization; Education and development (De Meis, L. (68) 243)

Scramblase

Phospholipid asymmetry; Aminophospholipid translocase; Flippase; P-glycoprotein (Dolis, D. (68) 221)

Sesbania mosaic virus

Protein structure; X-Ray diffraction; Disassembly (Murthy, M.R.N. (68) 33)

Single-molecule imaging

Motor protein; ATPase; Fluorescence microscopy (Funatsu, T. (68) 63)

Skeletal muscle

Crossbridges; Muscle fibre; Myofilaments; Stretches; Viscosity (Cecchi, G. (68) 1)

Solid-state

NMR; Bilayer; Protein; Gramicidin; Cardiotoxin (Auger, M. (68) 233)

Stretches

Crossbridges; Muscle fibre; Myofilaments; Skeletal muscle; Viscosity (Cecchi, G. (68) 1)

Structure prediction

Immunoglobulin structure; Hypervariable loops; Canonical structures; Protein design; Hair-pin loops (Morea, V. (68) 9)

Subunits

E. coli; ATPase; NMR spectroscopy (Wilkins, S. (68) 95)

Super-specialization

Modern science; Science education; Information overload; Education and development (De Meis, L. (68) 243)

Tectorial structure mechanics

Hair cells; Mechano-electrical transduction; Hair bundle micromechanics; Mechanical tuning; Lateral line (Van Netten, S.M. (68) 43)

Thyroid cancer

Chemical shift imaging; Magnetic resonance spectroscopy; Cervical cancer; Pathology (Mountford, C.E. (68) 127)

Virus structure

Assembly; Protein dynamics; Hydrogen-isotope exchange; Raman spectroscopy; Bacteriophage P22 (Tuma, R. (68) 17)

Viscosity

Crossbridges; Muscle fibre; Myofilaments; Skeletal muscle; Stretches (Cecchi, G. (68) 1)

Water channels

Aquaporins; Progesterone and water transport; ADH; Epithelial barriers permeability (Parisi, M. (68) 255)

Wool

Intermediate filament; α -Keratin; Disulfide bonds; Mass measurements; X-ray diffraction (Jones, L.N. (68) 83)

X-Ray diffraction

Sesbania mosaic virus; Protein structure; Disassembly (Murthy, M.R.N. (68) 33)

Intermediate filament; Wool; α -Keratin; Disulfide bonds; Mass measurements (Jones, L.N. (68) 83)

Zyxin

ActA; Actin; Cell motility; *Listeria*; Polymerization (Golsteyn, R.M. (68) 73)