

Supplementary Material

John William White (1937–2023)

Elliot Paul Gilbert^{A,} and Julia Stretton Higgins^B*

^AAustralian Centre for Neutron Scattering, Australian Nuclear Science and Technology Organisation, New Illawarra Road, Lucas Heights, NSW, 2234, Australia

^BChemical Engineering Department, Imperial College London, South Kensington Campus, London, SW72AZ, UK

*Correspondence to: Email: elliot.gilbert@ansto.gov.au

Supplementary File 1 – John William White (Education, Professional Career, Awards and Fellowships, Academic and Scientific Leadership, National and International Academic and Advisory Boards, Journal Editorial Boards)

The years given have been compiled from multiple sources (including John's own resume documents, submissions for individual awards as well as www.eoas.info/biogs/P003593b.htm) although it is noted that, in some cases, there remain some slight inconsistencies.

JOHN WILLIAM WHITE

EDUCATION

1953-1957	University of Sydney, BSc (Hons) 1st Class
1958-1959	University of Sydney, MSc
1959-1962	MA, DPhil, University of Oxford

PROFESSIONAL CAREER

1961-1963	ICI Fellow, Oxford University
1961-1963	Research Fellow, Lincoln College, Oxford University
1963-1985	Fellow, St John's College, Oxford University
1963-1985	University Lecturer in Chemistry, Oxford University
1974-1977	Associate Director, Institut Laue-Langevin, France
1977-1980	Director, Institut Laue Langevin, Grenoble, France
1985-2013	Professor of Physical and Theoretical Chemistry, Research School of Chemistry, Australian National University, Canberra
1992-1994	Pro Vice Chancellor and Chairman, Institute of Advanced Studies, Australian National University
1995-1998	Dean, Research School of Chemistry, The Australian National University
2000-2002	Member of Council, The Australian National University, Canberra

AWARDS AND FELLOWSHIPS

1957	Frank Dixon Prize, University of Sydney
1959	1851 Scholarship to Oxford University
1968	Marlow Medal and Prize, Faraday Society, Royal Society of Chemistry
1976	Tilden Lecturer, Royal Society of Chemistry

1981	Companion of the Order of St. Michael and St. George
1982	Fellow, Royal Society of Chemistry
1985-1990	Argonne Fellow, Argonne National Laboratory and University of Chicago
1986	Fellow, Royal Australian Chemical Institute (RACI)
1986	Fellow, Australian Institute of Physics (AIP)
1987	Liversidge Lecturer, University of Sydney
1989	B.D. Steele Lecturer, University of Queensland
1991	Fellow, Australian Academy of Science
1991	Hinshelwood Lecturer Oxford University
1991	Christensen Fellow, St. Catherine's College, Oxford
1991	Foundation Lectureship, Federation of Asian Chemical Societies
1992	Fellow of the Federation of Asian Chemical Societies
1993	Fellow of the Royal Society of London
1996	Honorary Fellow, St John's College, Oxford
1997	H.G. Smith Medal and Prize, RACI
1998	50th Anniversary, International Union of Crystallography (IUCr), Prague
1998	Asia Plenary Speaker, Hundall-CARS Lecturer, University of Chicago
1998	T.G.H. Jones Memorial Lecturer, University of Queensland
2001	Centenary Medal, Australia
2005	David Craig Medal, Australian Academy of Science
2005	Leighton Medal, RACI
2007	Founders Lecturer, St John's College Oxford
2007	Distinguished Visiting Fellow, Victorian Institute of Chemical Sciences (partnership of the Chemistry Schools at Monash University, University of Melbourne and Department of Applied Chemistry at RMIT University)
2007	Distinguished Friend of Oxford University
2009	Honorary Fellow, Australian Institute of Nuclear Science and Engineering (AINSE)
2010	Archibald Liversidge Medal and Lecture (Royal Society NSW)
2011	Kashiwa Lecture, University of Tokyo
2012	Distinguished Visiting Professor, CSIRO, Australia
2015	Asia Oceania Neutron Scattering Association Prize
2016	Order of Australia

2020 Australian Neutron Beam Users Group Award

ACADEMIC AND SCIENCE LEADERSHIP

1973-1974	Neutron Beam Co-ordinator, Atomic Energy Research Establishment Harwell (Executive Consultant)
1981-1982	Assessor Oxford University
1987-2011	Founding Member and Director, Institute for the Study of Christianity in an Age of Science and Technology; President (1992-2006)
1988-1993	Council Member, Federation of Australian Scientific and Technological Societies (FASTS, now Science & Technology Australia)
1988-1991	Council Member, AINSE
1989-2005	Member, National Committee on Crystallography (NCCr), Australian Academy of Science (AAS); Chair (1992-2005). (Provided academy-supported recommendations that led to Australian Government funding of the OPAL Reactor, Australian synchrotron access overseas and the Australian Synchrotron project)
1988-	Director's Advisory Committee, Applications of Nuclear Physics, ANSTO
1988-1989	President, Australian Capital Territory Branch, RACI
1989-1991	President, Society of Crystallographers in Australia
1990-1999	Member Neutron Scattering Commission, IUCr, Chairman 1993-1996
1990-2001	National Committee on Spectroscopy, AAS
1992-2006	President, Institute for the Study of Christianity in an Age of Science and Technology
1995-2010	Chairman, AAS Committee on Replacement Research Reactor
1996-2007	Member, Australian Synchrotron Radiation Program (ASRP) and Review Board
1996-2023	Chairman Oxford-Australia Scholarship Committee
1997-2001	Member of Council, AAS
1997-2001	Secretary for Science Policy, AAS
2000-2002	President, RACI
2000-2008	Council Member, AINSE
2001-2002	Member, FASTS Council and Executive
2002-2003	Chair, Australian Antarctic Review Steering Committee
2002-2011	Chairman, International Advisory Committee, J-PARC Project, Tokai, Japan
2002-	Founding Member, International Society for Science and Religion
2002-2004	Vice President, AINSE

2004-2006	President, AINSE
2000-2004	Chair Beam Instruments Advisory Group, Bragg Institute, ANSTO
2002-2011	Member, International Advisory Council, Central Laboratory for Research Councils (UK)
2004-2011	Member, International Advisory Committee, Bragg Institute (later the Australian Centre for Neutron Scattering); Chairman (2008-2011)
2005-2006	Chairman, International Review of New Zealand Antarctic Program
2008	Member, Foresight Committee KEK Tsukuba, Japan
2008-2010	Vice President, Asia Oceania Neutron Scattering Association
2009-2023	Honorary Fellow, AINSE
2010-2012	President, Asia Oceania Neutron Scattering Association
2013	Honorary Chairman J-PARC International Advisory Committee

NATIONAL AND INTERNATIONAL ACADEMIC AND ADVISORY BOARDS

1981-1985	Member of Council (Epsom College)
1982-1985	Member of Council (Wycliffe Hall, Oxford)
1982-1985	Hulme Project for Schools - Science Co-ordinator
1982	Consultant - Los Alamos National Laboratory
1986-1993	Intense Pulsed Neutron Source, Director's Advisory Committee (Argonne National Laboratory), and Chairman, 1989-
1988	Director's Advisory Committee, Applications of Nuclear Physics, Australian Nuclear Science & Technology Organisation
1990-1993	Member, Asian Crystallographic Association Council
1990-1997	Chairman, Program and Review Committee (ANBF) Tsukuba, Japan
1990-1997	Member, Management Committee (ANBF) Tsukuba, Japan
1990-1997	Technical Committee (ANBF) Tsukuba, Japan
1990-1998	Australia-Japan Steering Committee for Australian National Beamline Facility (ANBF), (Photon Factory) Tsukuba, Japan
1992	Invited lead speaker and Session Chairman, "Experts Meeting" European Spallation Source, Abingdon, UK
1993-	International Science Advisory Committee, Rutherford Appleton Laboratory, UK
1994-	ISIS Science Advisory Committee, Rutherford Appleton Laboratory, UK

1993-2001	Neutron Science Selection Committee, Science and Engineering Research Council (SERC)
1996-	Member, Australian Synchrotron Radiation Board
1996-	Member, Board of Governors, Consortium for Advanced Radiation Sources (CARS) University of Chicago
1996-	St Mark's National Theological Centre, Board, Member
1996	Australian representative to KEK Workshop on Future of Spallation Neutron Sources and International Workshop on Science in Neutron-Arena of JHP, Japan
1998	Australian Academy of Science representative, Japanese Atomic Energy Research Institute - Asia-Oceania Scientists' Advisory Meeting on the JAERI Neutron Science Project
1998-	International Advisory Panel on the Faculty of Science, National University of Singapore
1999	International Review Committee of the Joint Proposal of the Japan Hadron Facility (KEK) and Neutron Science Project (JAERI)
2000	International Union of Pure and Applied Physics Working group on the future of large-scale facilities subgroup "International Committee on the Future of Neutron Sources (ICFNS)"
2000	Member, CSIRO, Chemicals and Plastics Sector Advisory Committee
2000-2004	Beam Instruments Advisory Group, ANSTO
2001-2002	Member, International Advisory Panel for the United Kingdom Higher Education Funding Council's Research Assessment Exercise
2002-2012	Chair, International Advisory Committee on the JAERI-KEK Joint Project
2002	Chair, International Steering Committee and editor of report for Department of the Environment, Review of Australia's Antarctic Research
2002	Member, International Advisory Committee, Central Laboratory of the Research Councils (now Science and Technology Facilities Council), UK
2004-2011	Member, Bragg Institute Advisory Committee (Chair, 2008-2011), ANSTO
2004	Chairman, External Review of the Australian Co-operative Research Centre for Polymers (May 2004)
2004	Member, International Review Panel of Chemistry at the Argonne National Laboratory, USA for the University of Chicago
2005	Chair, Review Committee New Zealand's Antarctic Science
2006-2008	Australian member, OECD working party, Future of Nuclear Physics
2007-	Chairman, International Advisory Committee, Bragg Institute, ANSTO
2008	Foresight Committee KEK Tsukuba, Japan

JOURNAL EDITORIAL BOARDS

1981-1987	Editorial Advisory Board "Chemical Physics Letters"
1983-	Editorial Board "Spectrochimica Acta"
1988-	Editorial Board "Advances in Physics"
1991-	Editorial Board "Journal of Materials Chemistry"
1999-	Editorial Board "Physical Chemistry and Chemical Physics"

Supplementary File 2 – Bibliography (compiled from combination of on-line databases as well as personal records)

1. Low Temperature Quenching of Energy Transfer., L.E. Lyons and J.W. White, J. Chem. Phys., 29, 447-448 (1958).
2. Phthalocyanine Crystal Spectra., L.E. Lyons, J.R. Walsh and J.W. White, J. Chem. Soc., 167-175 (1960).
3. Luminescence from Anthracene Crystals and its Temperature Dependence, L.E. Lyons and J.W. White, J. Chem. Soc., 5213-5218 (1960).
4. The Electronic States of Monohalogen Substituted Napthalenes., T. Iredale and J.W. White, Trans. Farad. Soc., 56, 1719-1731 (1960).
5. Chemical Applications of Nuclear Electron Double Resonance., R.E. Richards and J.W. White, Discuss. Farad. Soc., 34, 96-103 (1962).
6. Nuclear-electron Double Resonance in Solutions of Potassium Nitrosyl Sulphonate and of Potassium Nitrosyl Pentacyano Chromium (III), R.E. Richards and J.W. White, Proc. Roy. Soc. A, 269, 287-300 (1962).
7. Nuclear-electron Double Resonance in Solutions of Semi-quinones., R.E. Richards and J.W. White, Proc. Roy. Soc. A., 269, 301-310 (1962).
8. Relative Couplings between Free Radicals and Hand F Nuclei by the Overhauser Effect., R.E. Richards and J.W. White, Proc. Chem. Soc., 119 (1962).
9. The Effect of Impurities on the Fluorescence of Anthracene Crystals containing Tetracene, A.R. Lacey, L.E. Lyons and J.W. White, J. Chem. Soc., 3670-3675 (1963).
10. High Resolution Electron Double Resonance (ENDOR) Spectra of Solutions of a Free Radical, R.E. Richards and J.W. White, Proc. Chem. Soc., 201-202 (1963).
11. Apparatus for Nuclear-electron Double Resonance at 12500 gauss., R.E. Richards and J.W. White, Proc. Roy. Soc. A., 279, 474-480 (1964).
12. Nuclear Electron Double Resonance at 12500 gauss., R.E. Richards and J.W. White, Proc. Roy. Soc. A., 279, 481-489 (1964).
13. Nuclear Electron-double Resonance in Liquids, R.E. Richards and J.W. White, Proc. Roy. Soc. A., 283, 459-470 (1965).
14. Localized Vibrations of Trapped Molecules, J.S. Downes, P.A. Egelstaff, V. Rainey and J.W. White, Phys. Rev. Lett., 17, 533-536 (1966).
15. Multichannel Analyser System for High Sensitivity Mass Spectrometry, J.W. White, Rev. Sci. Instr., 38, 187-189 (1967).
16. Low-frequency Molecular Motions for Urea by Neutron-scattering Spectroscopy, E.O. Bodger and J.W. White, Chem. Commun., 74-76 (1967).
17. Neutron Scattering Spectroscopy of Liquids, B.K. Aldred, R.C. Eden and J.W. White, Discuss. Farad. Soc., 43, 169-183 (1967).
18. Helical Resonators for Spin Resonance Spectroscopy, J.C. Collingwood and J.W. White, J. Sci. Instr., 44, 509-513 (1967).
19. Molecular Motion in Molecular Sieves by Neutron Scattering Spectroscopy, P.A. Egelstaff, J. Stretton Downes and J.W. White, in Molecular Sieves, Soc. of Chem. Ind., 306-318 (1968).
20. Vibrational Assignments in Polymer Neutron-scattering Spectra by Atomic Substitution., G.F. Longster and J.W. White, J. Chem. Phys., 48, 5271-5273 (1968).
21. Density of States Measurements for Optical and Acoustic Phonons by Neutron-scattering Spectroscopy, J.W. White in Excitons, Magnons and Phonons in Molecular Crystals, Cambridge Univ. Press (1968).

22. Spectral Assignment in Inelastic Neutron Scattering Spectroscopy by Atomic Substitution Techniques, J.W. White Molecular Dynamics & Structure of Solids, N.B.S. Special Publication, 30, 463-468 (1969).
23. Apparatus for Observing Nuclear Polarization at Low Magnetic Fields, J.C. Collingwood and J.W. White, J. Phys. E., 2, 388-392 (1969).
24. Neutron Scattering and Far Infra-red Spectra of a Heavy Hindered Rotator: CH₂Br-CHFBr, G.F. Longster and J.W. White, Mol. Phys., 17, 1-16 (1969).
25. Inelastic Neutron Scattering from Molecular and Crystal Excitations in Aromatic Molecular Crystals, P.A. Reynolds and J.W. White, Discuss. Farad. Soc., 48, 131-147 (1969).
26. Incoherent Inelastic Neutron Spectra of Hydridocarbonyls: Mid-infrared Vibration Frequencies for HCo(CO)₄, C.J. Wright and J.W. White, Chem. Commun., 970-971 (1970).
27. Incoherent Inelastic Neutron Spectra of Hydridocarbonyls: Mid-infrared Hydrogen Vibrations of H₃Mn(CO)₁₂, J.W. White and C.J. Wright, Chem. Commun., 971-972 (1970).
28. Neutron Scattering Studies of Hydrated Layer Silicates., S. Olejnik, G.C. Stirling and J.W. White, Spec. Discuss. Farad. Soc., 1, 194-201 (1970).
29. "Hydrophobic Bonds"? A Study of Long-Range Interactions in Polymers, J.W. White, Journal of Macromolecular Science: Part A – Chemistry 4 (5), pp. 1275-1289 (1970).
30. The Dynamics and Structure of Water and Ionic Solutions by Neutron Inelastic Scattering Spectroscopy, J.W. White, Berichte der Bunsen – Gesellschaft, 15, 379-385 (1971).
31. A Model Calculation of the Inelastic Neutron Scattering Spectra from Polycrystalline Naphthalene, J.K. Kjems, G.S. Pawley, P.A. Reynolds and J.W. White, Solid State Commun., 9, 1353-1357 (1971).
32. Metal Atom Vibrations in Transition Metal Ousters and Complexes by Inelastic Neutron Scattering Spectroscopy, J.W. White and C.J. Wright, J. Chem. Soc. A., 2843-2847 (1971).
33. Water Dynamics in Clays by Neutron Spectroscopy. RJ. Hunter, G.C. Stirling and J.W. White, Nature Phys. Sci., 230, 192-194 (1971).
34. Density of States Measurements for Phonons in Aromatic Crystals, M.B.M. Harryman, J.K. Kjems, P.A. Reynolds and J.W. White, in Phonons, Proc. of International Conference at Rennes, France, Flammarion Sciences (1971).
35. The Stiffness of Polymers in relation to their Structure, L. Holliday and J.W. White, Pure Appl. Chem., 26, 545-582 (1971).
36. Neutron Scattering Spectroscopy in relation to Electromagnetic Methods, J.W. White, Mol. Spect., 199-222 (1971).
37. Thin Layers of Water in Vermiculites and Montmorillonites - Modification of Water Diffusion, S. Olejnik and J.W. White, Nature Phys. Sci., 236, 15-16 (1972).
38. High Frequency Dynamics of Liquid Methanol and Toluene. Contribution of Molecular Rotational Diffusion to Inelastic Neutron Scattering, B.K. Aldred, G.C. Stirling and J.W. White, Faraday Symp. Chem. Soc., 6, 135-160 (1972).
39. Interchain Force Field and Elastic Constants of Polytetrafluorethylene, J.F. Twisleton and J.W. White, Polymer, 13, 40-42 (1972).
40. Internal Vibrations and Hindered Rotation of ReH₉²⁻ by Neutron Scattering Spectroscopy, J.W. White and C.J. Wright, J. Chem. Soc. Faraday Trans. II, 68, 1414-1422 (1972).
41. Neutron Spectroscopy of Polymers, J.W. White, Chapter 27 in Polymer Science. Ed. A.D. Jenkins, North-Holland Publishing Co. (1972).
42. Experimental Lattice Vibrational Dispersion Curves for B-phase p-C₆D₄Cl₂ at 295K and 90K and Acoustic Velocities for B-phase p-C₆D₄Cl₂ at 295K. Compared with a General Crystal Potential for the Chlorobenzenes, J.K. Kjems, P.A. Reynolds and J.W. White, in Neutron Inelastic Scattering, Proc. Symp. Grenoble, I.A.E.A., Vienna, 195-206 (1972).

43. Interchain Force Field of Polyethylene by Neutron Scattering, J.F. Twisleton and J.W. White, in Neutron Inelastic Scattering, Proc. Symp. Grenoble, I.A.E.A., Vienna, 301 (1972).
44. Some Applications in Inelastic Neutron Scattering Spectroscopy to Surface Chemistry and Catalysis, J.W. White, in Neutron Inelastic Scattering, Proc. Symp. Grenoble, I.A.E.A., Vienna, 315-344 (1972).
45. Neutron Scattering Spectra of Hydridocarbonyls in the 900-200 cm^{-1} Energy Region, J.W. White and C.J. Wright, J. Chem. Soc. Faraday Trans. II, 68, 1423-1433 (1972).
46. Inelastic Neutron Scattering Spectrum of p-Terphenyl, P.A. Reynolds and J.W. White, J. Chem. Soc. Faraday Trans. II, 68, 1434-1438 (1972).
47. High Resolution Inelastic Neutron Scattering from some Aromatic Molecular Polycrystals for Study of Crystal Excitations and Anharmonic Effects, J.K. Kjems, P.A. Reynolds and J.W. White, J. Chem. Phys., 56, 2928-2943 (1972).
48. Neutron Scattering and Cation Rotational Motion in Tetramethylammonium Manganese Chloride, C. Brot, B. Lassier and J.W. White, J. Physique, 34, 473-481 (1973).
49. An Asymmetric Split-pair Superconducting Magnet for Nuclear Polarization Experiments, E. Gilbert, P. Hanley, J.B. Hayter and J.W. White, J. Phys. E., 6, 714-718 (1973).
50. Temperature Dependent Scalar Coupling in Aqueous Solutions of Paramagnetic Ions, J.C. Collingwood and J.W. White, Mol. Phys., 25, 1241-1261 (1973).
51. Low Frequency Motions of Block Copolymers by Neutron Scattering Spectroscopy, D.A. Peace and J.W. White, Proc. of 2nd European Symp. of Polymer Spectroscopy and Meeting on Problems of Copolymer Statistics, Milan 1971. La ricerca scientifica, 84, 56 (1973).
52. Neutron Inelastic Scattering and Molecular Spectroscopy, J.W. White, in Chemical Applications of Thermal Neutron Scattering, Ed. B.T.M. Willis, Oxford University Press, 49-77 (1973).
53. Lattice Vibrations in Chlorobenzenes: Experimental Dispersion Curves for b-paradichlorobenzene by Neutron Scattering, J.K. Kjems, P.A. Reynolds and J.W. White, J. Chem. Phys., 60, 824-834 (1974).
54. The Feasibility and Applications of a 60A Time-of-flight Spectrometer, J.B. Hayter, B.C. Haywood and J.W. White, N.B.R.U. Rutherford Laboratory, Chilton, Didcot, Berks, RL-74-057 (1974).
55. Neutron Scattering Spectroscopy and the Structure of Disordered Crystals, J.W. White, Spectrochim. Acta. 30A, 1665-1707 (1974).
56. Inelastic Neutron Scattering by Chemical Reactions (I), J.C. Lassegues and J.W. White, in Molecular Motions in Liquids, Ed. J. Lascombe. Riedel, Dordrecht, 439-459 (1974).
57. Polarized Neutron Diffraction from Spin Polarized Protons: A Tool in Structure Determination?, J.B. Hayter, G.T. Jenkin and J.W. White, Phys. Rev. Lett., 33, 696-699 (1974).
58. Dynamics of Water and Amphiphile Molecules in Lamellar Liquid Crystalline Phases, J.B. Hayter, A.M. Hecht, G.J.T. Tiddy and J.W. White, J. Chem. Soc. Farad. Disc., 51, 130-145 (1974).
59. NMR Studies of Water Self-diffusion in the Lamellar Phase, J.B. Hayter, A.M. Hecht, G.J.T. Tiddy and J.W. White, Berichte der Bunsen-Gesellschaft, 961-965 (1974).
60. Neutron Diffraction, Inelastic Scattering and the Structure of Amphiphiles and Macromolecules in Solution, J.W. White, Proc. Roy. Soc. A., 345, 119-144 (1975).
61. Inelastic Neutron Scattering from Synthetic and Biological Polymers, J.W. White, Neutron Scattering for the Analysis of Biological Structures, Brookhaven Symposia in Biology: No. 27 (1975).

62. Neutron Diffraction Studies on Collagen. J.W. White, A. Miller and K. Ibel, J. Chem. Soc. Faraday Trans. II, 12, 435-438 (1976).
63. Inelastic Neutron Scattering by Water in an Ordered Tobacco Mosaic Virus Solution., A.M. Hecht and J.W. White, J. Chem. Soc. Faraday Trans. II, 12, 439-445 (1976).
64. Structure and Dynamics of Microcrystalline Graphite 'Graphon' by Neutron Scattering, P.H. Gamlen and J.W. White, J. Chem. Soc. Faraday Trans. II, 12, 446-455 (1976).
65. Studies of Phonons in Polymer Crystals, J.W. White, Ch. 4 in Structural Studies of Macromolecules by Spectroscopic Methods, Editor C.K. Ivin, John Wiley (1976).
66. Another Time-of-flight Spectrometer? or IN5 Bis, A proposal by C. Carlile, J. Dianoux, R. Scherm, J. Suck and J.W. White, ILL Internal Report 765235 (1976).
67. Neutron Diffraction by Collagen, B. Doyle, J. Haas, D. Hulmes, K. Ibel, A. Miller, P. Timmins and J.W. White, Brookhaven Symposium on Neutron Scattering Analysis of Biological Structures III, 86-100 (1976).
68. Inelastic Neutron Scattering from Synthetic and Biological Polymers, J.W. White, in Neutron Scattering for the Analysis of Biological Structures, report of symposium held June 2-6, 1975, Brookhaven Symposia in Biology No. 27, Ed. B Schoenborn, VI, 3, Upton, N.Y. : Biology Dept., Brookhaven National Laboratory (1976).
69. Neutron Scattering by Molecules, Polymers and Adsorbed Species, J.W. White, Proc. Conference on Neutron Scattering, Gatlinburg 1, Oak Ridge Natl. Lab., 261 (1976)
70. Advances in Neutron Scattering Spectroscopy (Plenary lecture to the Deutsches Physikalisches Gesellschaft, Oct 1975), J.W. White, Phys. Blätter, 12, 633-650 (1976).
71. Report on Long Term Prospects for the Institut Von Laue-Paul Langevin, Grenoble, France, J.W. White (1977).
72. A Neutron Diffraction Study of Lanthanum Magnesium Nitrate $\text{La}_2\text{Mg}_3(\text{NO}_3)_{12} \cdot 24\text{H}_2\text{O}$, M.R. Anderson, G.T. Jenkin, J.W. White, Acta Cryst., B33, 3933-3936 (1977).
73. Dynamics of Molecular Crystals, Polymers and Adsorbed Species. J.W. White, Ch. 4 in Dynamics of Solids and Liquids by Neutron Scattering, Ed. Lovesey and Springer, Springer Verlag, Berlin, 197-254 (1977).
74. Selective Deuteration in Neutron Scattering Spectroscopy: Formic Acid and Deuterated Derivatives, C. Berney and J.W. White, J. Am. Chem. Soc., 99, 6878-6880 (1977).
75. Neutron Small Angle Scattering by Colloidal Solutions of Graphite, N.M. Harris, J. Tabony and J.W. White, in Neutron Scattering in Applied Research, Proc I.A.E.A. Advisory Group Mtg. on Neutron Scattering, December 1976, Ljubljana, Yugoslavia, IAEA- 204, Vienna, 29 (1977).
76. Phonons and the Elastic Moduli of Collagen and Muscle, R. Harley, D. James, A. Miller and J.W. White, Nature, 267, 285-287 (1977).
77. Neutron Scattering and Physisorption. Marlow, R.K. Thomas, T.D. Trewern and J.W. White, J. de Physique, Colloque C4, supp. to No. 10, 38, C4-19 - C4-25 (1977).
78. Methyl Group Tunnelling and Torsion in 2,4-Hexadiyne, M. Batley, A. Heidemann, A.H. Overs, R.K. Thomas and J.W. White, Mol. Phys., 34, 1771-1778 (1977).
79. Neutron Scattering and Physisorption, Marlow, R.K. Thomas, T.D. Trewern and J.W. White, Proc. I.A.E.A. Conf on Inelastic Neutron Scattering, II, 478 (1977).
80. Neutron Scattering from Colloids, D.J. Cebula, N.M. Harris, J. Tabony, R.K. Thomas and J.W. White, Farad. Gen. Disc., 65, Colloid Stability, 76-90 (1978).
81. Neutron Scattering from Chemical Fluctuations (II), J.C. Lassegues, A.D. Taylor and J.W. White, Neutron Scattering from Chemical Fluctuations; in Protons and Ions Involved in Fast Dynamic Phenomena, Elsevier Scientific Publishing Co., Amsterdam, 123-146 (1978).

82. Neutron Scattering from Adsorbed Molecules, J.W. White, Proc. of 3rd Inter. School on Neutron Physics, Alushta, USSR, (April 1978).
83. An Overview of the Growth and Future of Neutron Scattering, J.W. White, NSF Workshop on Neutron Crystallography & Spectroscopy, Argonne National Lab. (November 1978).
84. Rotational Tunnelling of Methane on the Surface of Graphitized Carbon Black studied by Neutron Scattering Spectroscopy, M.W. Newbery, T. Rayment, M.V. Smalley, R.K. Thomas and J.W. White, Chem. Phys. Lett., 59, 461-466 (1978).
85. Neutron Diffraction & Inelastic Scattering from Adsorbed Molecules, G. Bomchil, I. Marlow, R.K. Thomas, T.D. Trewern and J.W. White, Proc. of 4th Rolla Conference. Surface Science, 76, 13-49 (1978).
86. Diffusion Coefficients of Small Molecules at the Gas Solid Interface, B. Copping, T. Cosgrove, J. Tabony and J.W. White, Paper presented to Conference on Magnetic Resonance in Colloid and Interface Science, (1979).
87. Neutron Diffraction from Clay-Water Systems, DJ. Cebula, S. Middleton, R.H. Ottewill, R.K. Thomas and J.W. White, Clays and Clay Minerals, 21, 39-52 (1979).
88. The Structure & Dynamics of Clay-Water Systems studied by Neutron Scattering. DJ. Cebula, R.K. Thomas and J.W. White, Proc. of VIth International Clay Conf, Oxford Eds. V.C. Farmer & M.M. Mortland, Elsevier, Developments in Sedimentology, 21, 111-120 (1979).
89. Structure and Dynamics of Ammonia Adsorbed on Graphitized Carbon Black. Part I: Adsorption Isotherms and Thermodynamics Properties, G. Bomchil, P.H. Gamlen, N.M. Harris, M. Leslie, J. Tabony, R.K. Thomas, T.D. Trewern and J.W. White, J. Chem. Soc. Faraday Trans. I, 15, 1535-1541 (1979).
90. Structure and Dynamics of Ammonia Adsorbed on Graphitized Carbon Black. Part II: Neutron Diffraction, G. Bomchil, P.H. Gamlen, N.M. Harris, M. Leslie, J. Tabony, R.K. Thomas, T.D. Trewern and J.W. White, J. Chem. Soc. Faraday Trans. I, 15, 1542-1552 (1979).
91. Structure and Dynamics of Ammonia Adsorbed on Graphitized Carbon Black. Part III: Neutron Quasielastic and Inelastic Spectra, G. Bomchil, P.H. Gamlen, N.M. Harris, M. Leslie, J. Tabony, R.K. Thomas, T.D. Trewern and J.W. White, J. Chem. Soc. Faraday Trans. I, 15, 1553-1569 (1979).
92. Structure and Dynamics of Ammonia Adsorbed on Graphitized Carbon Black. Part IV: Nuclear Magnetic Resonance Spectra, G. Bomchil, P.H. Gamlen, N.M. Harris, M. Leslie, J. Tabony, R.K. Thomas, T.D. Trewern and J.W. White, J. Chem. Soc. Faraday Trans. I, 15, 1570-1586 (1979).
93. Neutronenphysikalische Experimente am Höchstfluß-Reaktor in Grenoble. Teil I: Methodische Aspekte, T. Springer and J.W. White, Phys. Bl., 35, 399-408 (1978).
94. Neutronenphysikalische Experimente am Höchstfluß-Reaktor in Grenoble. Teil II: Methoden (Fortsetzung) Elementarteilchenphysik., T. Springer and J.W. White, Phys. Bl., 35, 448-455 (1979).
95. Structure of the Lamellar Lyotropic Liquid Crystal, Tetramethylammonium Perfluorooctanoate+water, as Determined by Neutron Diffraction, R.M. Hedge, M. Mortimer, R.K. Thomas and J.W. White, J. Chem. Soc. Faraday Trans. I, 76, 236-243 (1980).
96. Small Angle Neutron Scattering from Dilute Aqueous Dispersions of Clay, D.J. Cebula, R.K. Thomas and J.W. White, J. Chem. Soc. Faraday Trans. I, 76, 314-321 (1980).
97. Neutron Diffraction from Benzene Adsorbed on Graphite, G. Bomchil, P. Meehan, T. Rayment, R.K. Thomas and J.W. White, J. Chem. Soc. Faraday Trans. I, 76, 2011-2016 (1980).

98. Nuclear Magnetic Resonance from a Quasi Two Dimensional Fluid - Neopentane Adsorbed upon Graphite, J. Tabony and J.W. White, *Molecular Physics*, 40, 1209-1225 (1980).
99. Neutron Physics and Neutron Scattering - Trends in Applications to Materials Science., J.W. White, Lecture to European Physical Society Darmstadt 1980 in "Nuclear Physics Applications to Materials Science", Ed. H. Baumann, K. Bethge, H. Jex and F. Rauch, 21-55, Vieweg, Braunschweig (1980).
100. Neutronenphysikalische Experimente am Höchstfluß-Reaktor in Grenoble. Teil III: Neuartige Anwendungen in Magnetismus, Chemie and Biologie, T. Springer and J.W. White, *Phys. Bl.*, 36, 144-151 (1980).
101. Nuclear Magnetic Resonance Studies of the Melting and Orientation of Benzene Adsorbed upon Graphite, M. Coulon, J.C. Delachaume, J. Tabony and J.W. White, *Surface Science*, 95, L282-L288 (1980).
102. Precise Location of Hydrogen Atoms in Complicated Structures by Diffraction of Polarised Neutrons from Dynamically Polarized Nuclei, S. Cox, J.B. Hayter, G.T. Jenkin, M. Leslie, G. Warner and J.W. White, *Phil. Trans. R. Soc. Land. B*, 290, 497-503 (1980).
103. The Structure and Dynamics of Methane Adsorbed on Graphite., G. Bomchil, A. Huller, T. Rayment, S.J. Roser, M.V. Smalley, R.K. Thomas and J.W. White, *Phil. Trans. R. Soc. Lond. B*, 290, 537-552 (1980).
104. The Structure and Properties of Methane Adsorbed on Graphitised Carbon Black Determined by Neutron Diffraction, G. Bomchil, T. Rayment, R.K. Thomas and J.W. White, *Molecular Physics*, 43, 601-620 (1981).
105. Diffusion of Water in Li-Montmorillonite studied by Quasielastic Neutron Scattering, D.J. Cebula, R.K. Thomas and J.W. White, *Clays and Clay Minerals*, 29, 241-248 (1981).
106. Rotational Tunnelling of Methane Adsorbed on Graphite: Inelastic Neutron Scattering Spectra, A. Hillier, M.V. Smalley, R.K. Thomas and J.W. White, *Molecular Physics*, 44, 533-555 (1981).
107. Tunnelling of Hydrogen in Alkali Metal Intercalation Compounds I. $C_{24}Rb(H_2)_x$ and $C_{24}(Cs(H_2))_x$, J.P. Beaufils, T. Crowley, T. Rayment, R.K. Thomas and J.W. White, *Molecular Physics*, 44, 1257-1269 (1981).
108. Search for Proton Tunnelling in Tropolone - I., J.W. White, *Spectrochimica Acta.*, 37A, 1041-1045 (1981).
109. Phonon Dispersion Curves and Elastic Properties of Polyoxymethylene Single Crystals, M.R. Anderson, M.B.M. Harryman, D.K. Steinman and J.W. White, *Polymer*, 23, 569-578 (1982).
110. The Structure and Dynamics of Crystalline 2,4-Hexadiyne I Crystal Structure, Thermodynamics and Model Calculations, M. Batley, S. Mraw, L.A.K. Staveley, A.H. Overs, M.C. Owen, R.K. Thomas and J.W. White, *Molecular Physics*, 45, 1015-1034 (1982).
111. Methyl Group Rotation is 2,4-Hexadiyne II. The Transition from Classical to Quantum Dynamics, J.R. Cockbain, R. Lechner, M.C. Owen, R.K. Thomas and J.W. White, *Molecular Physics*, 45, 1035-1051 (1982).
112. Dynamical Studies of Fully Oriented Deuteropolyethylene by Inelastic Neutron Scattering, P.A. Reynolds, J.F. Twisleton and J.W. White, *Polymer*, 23, 578-588 (1982).
113. Microvolt and Millivolt Molecular Tunnelling Spectroscopy by Neutron Scattering, J.W. White, *J. Molecular Structure*, 19, 199-213 (1982).
114. Structure and Dynamics of Graphite Intercalation Compounds. Part 1: Neutron Diffraction and the Structure of C_3K , $C_8KH_{2/3}$ and $C_3KD_{2/3}$, G. Naylor, R.K. Thomas, T.D. Trewern and J.W. White, *J. Chem. Soc. Faraday Trans. I*, 18, 2369-2385 (1982).

115. Structure and Dynamics of Graphite Intercalation Compounds II. Part 2: Kinetics of Formation of $C_3KD_{2/3}$, $C_3KH_{2/3}$, J.P. Beaufils, T.D. Trewern, R.K. Thomas and J.W. White, J. Chem. Soc. Faraday Trans. I, 18, 2387-2397 (1982).
116. Structure and Dynamics of Graphite Intercalation Compounds. Part 3: Crystal and Dynamics and Binding in C_8K , $C_3KH_{2/3}$ and $C_8KD_{2/3}$ by Inelastic Neutron Scattering, R.K. Thomas, T.D. Trewern and J.W. White, J. Chem. Soc. Faraday Trans. I, 18, 2399-2410 (1982).
117. Determination of the Adsorption of Surface Active Agents on Latex Particles by Small Angle Neutron Scattering in Adsorption from Solution, N.M Harris, R.H. Ottewill and J.W. White, Ed. R.H. Ottewill, C. Rochester and A.L. Smith, Academic Press, Chichester, 139-154 (1983).
118. The Dynamics and Structure of Water at Interfaces, J.W. White, Surface Mobilities of Solid Materials. Plenum, New York, 527-540 (1983).
119. Neutron Scattering in Chemistry (Scattering from Layer Lattices and their Intercalation Compounds - an Illustration), J.W. White, The Neutron and its Applications, Inst. Phys. Conf Series No. 64. Section 4, 283-288 (1983).
120. Temperature Dependence of the Vibronic Spectrum of Cis Polyacetylene, J. Norris and J.W. White, Chem. Phys. Lett., 102 No. 6, 534-536 (1983).
121. Neutron Scattering - Modern Techniques and their Scientific Impact, J.W. White and C.G. Windsor, Rep. Prog. Phys., 47, 707-765 (1984).
122. Molecular Dynamics in Graphite Intercalation, J.W. White, Orientation Disorder in Crystals News, 3 (1984).
123. Characterisation of Pillared Clays by Neutron Scattering. Ming-Shin Tzou, T.J. Pinnavaia, V. Rainey and J.W. White, J. Molecular Catalysis, 27, 213-224 (1984).
124. A Novel Route for Producing Soluble Polyacetylene-Polyisoprene Block Copolymers, S.P. Armes, B. Vincent and J.W. White, J. Chem. Soc. Chem. Comm., 1525-1527 (1986).
125. Domain Mobility and Rotational Tunnelling of Hydrogen in Graphite Intercalates. I.P. Jackson and J.W. White, Chem. Phys. Lett., 134, 397-399 (1987).
126. Structure of Second Stage Graphite-Rubidium $C_{24}Rb$, G.R.S. Naylor and J.W. White, J. Chem. Soc., Faraday Trans. I, 83, 3447-3458 (1987).
127. Propagating Two-dimensional Density Fluctuations in the Graphite Intercalate $C_{36}Cs$, J.W. White and P.A. Wielopolski, Phys. Rev. B, 36, 6069-6071 (1987).
128. The Continuing Promise of Neutron Scattering in Chemistry, Physics and Biology., J.W. White, Trans Amer. Cryst. Assoc., 23, 1-16 (1987).
129. Ion and Solvent Dynamics in Aqueous Tetramethylammonium Chloride Solutions., A.N. Brown, M. Newbery, R.K. Thomas and J.W. White, J. Chem. Soc., Faraday Trans. II, 84, 17-33 (1988).
130. Small Angle X-Ray and Neutron Scattering from Electrically Conducting Block Co-polymers, M. Aldissi, S.J. Henderson, J.W. White, and T. Zemb, Mat. Sci. For., 27/28, 437-444 (1988).
131. High Energy Neutron Inelastic Scattering from H_2 in $C_{28}(H_2)_{1.52}$, Z.A. Bowden, P.R. Hirst, L.M. Needham, A.D. Taylor and J.W. White, Chem. Phys. Lett., 147, 228-230 (1988).
132. Intercalation Compounds: Challenges & Perspectives for Neutron Scattering, I.P. Jackson, J.W. White, P.A. Wielopolski and F. Trouw, Mat. Sci. For., 27/28, 1-16. (1988).
133. Dynamics of Intercalated Molecules I, Sorption Potentials and Structure of " $C_{24}Cs$ "(CH_4), F.R. Trouw and J.W. White, J. Chem. Soc., Faraday Trans. II, 84, 791-812 (1988).
134. Dynamics of Intercalated Molecules II, A Molecular Dynamics Simulation of Methane in " $C_{24}Cs$ "(CH_4), F.R. Trouw and J.W. White, J. Chem. Soc., Faraday Trans. II, 84, 813-839 (1988)

135. Dynamics of Intercalated Molecules III, Structure of $C_{28}Cs(CD_4)_x$, F.R. Trouw and J.W. White, J. Chem. Soc., Faraday Trans. II, 84, 841-859 (1988).
136. Dynamics of Intercalated Molecules IV, Neutron Inelastic Scattering from Methane in " $C_{24}Cs$ "(CH_4), F.R. Trouw and J.W. White, J. Chem. Soc., Faraday Trans. II, 84, 861-884 (1988).
137. Effects of Substrate Potential on Structure and Dynamics of Stage 3 Graphite Intercalated Caesium, J.W. White and P.A. Wielopolski, Molecular Physics, 63, 669-676 (1988).
138. Short Wavelength Collective Excitations in Graphite Intercalate $C_{36}Cs$, J.W. White and P.A. Wielopolski, Molecular Physics, 63, 165-169 (1988).
139. Tunnelling of Hydrogen in Alkali Metal-Graphite Intercalation Compounds: A Systematic Study of $C_{24}Rb(H_2)_x$ and its Structural Consequences, L.P. Jackson, J. McCaffrey, W.J. Stead and J.W. White, J. Chem. Soc., Faraday Trans. II, 84 (10), 1669-1682, (1988).
140. Librations of Hydrogen in Stage II Caesium Graphite, $C_{24}Cs$, P. Meehan, W.J. Stead and J.W. White, J. Chem. Soc., Faraday Trans. II, 84, 1655-1668 (1988).
141. Microassembly by Intermolecular Forces, S.J. Henderson and J.W. White, J. App. Cryst., 27, 744-750 (1988).
142. Aggregation of Organometallic-Complex Pillars in Synthetic Fluorohectorite and Montmorillonite, F. Tsvetkov and J.W. White, J. Amer. Chem. Soc., 110, 3183-3187 (1988).
143. Studies on Silica Sol-Clay Particle Interactions by Small-Angle Neutron Scattering. A. Moini, T. Pinnavaia, P. Thiyagarajan and J.W. White, J. App. Cryst., 21, 840-842 (1988).
144. A Neutron Reflectometer for LANSCE. Report of a Workshop at Los Alamos National Laboratory, November 2-3, 1987, J.W. White (Chairman), LA-11301-C, (1988).
145. X-Ray and Neutron Scattering, J.W. White, Condensed Matter Physics, Proc. Second Physics Summer School, A.N.U., Australia, Ed. J. Mahanty & M.P. Das, World Sci. Publishing Co. (1989).
146. On the design of a high-speed combined high-resolution powder diffractometer and small-angle scattering system with time-resolution capability based on the use of imaging plates and CCCC monochromators. Barnea, Z., Clapp, R., Creagh, D.C., Sabine, T.M., Stevenson, A.W., White, J.W., Wilkins, S.W., Harada, J., Hashizume, H., Kashiara, Y., Sakata, M., Ohsumi, K., Zemb, T., Rev. Sci. Inst., 60, 2537-2540 (1989).
147. Some Applications of Small Angle Scattering in Chemistry. S.J. Henderson, L. Dai and J.S. White, Chemical Applications of Synchrotron Radiation: Workshop Report, 57-96, Argonne National Laboratory, ANL/APS-TM4, 57, 96 (1989).
148. Molecular-dynamics Study of Stage-3 Caesium Intercalated Graphite $C_{36}Cs$, J.W. White and P.A. Wielopolski, Int. J. Thermophys., 10, 1221-1228, 1989.
149. Surface Activity of Polyacetylene-Polyisoprene Solutions, L. Dai, J.W. White, J. Kerr, R.K. Thomas, J. Penfold and M. Aldissi, and Synthetic Metals, 28, D69-D89 (1989).
150. Structural Order and Orientation of Organometallic Pillars on Synthetic Fluorhectorite and Montmorillonite Surfaces, F. Tsvetkov and J.W. White, Chemistry of Materials, 1, 149-158 (1989).
151. Sintering of Nanophase TiO_2 at 550°C, J.A. Eastman, J.E. Epperson, T.E. Klippert, A. Narayanasamy, R.W. Siegel, F. Trouw and J.W. White, Mat. Res. Soc. Symp. Proc., 132, 15-20 (1989).
152. Small Angle Neutron Scattering from Nanophase Titanium as a Function of Oxidation., J.A. Eastman, J.E. Epperson, R. Hahn, T.E. Klippert, A. Narayanasamy, S. Ramasamy, R.W. Siegel, F. Trouw and J.W. White, Mat. Res. Soc. Symp. Proc., 132, (1989).

153. High Energy Neutron Inelastic Scattering from Adsorbed Hydrogen Molecules, Z.A. Bowden, P.R. Hirst, L.M. Needham, AD. Taylor and J.W. White, Chem. Phys. 135, 457-466 (1989).
154. The Melting Curve of Tetrahydrofuran Hydrate in D₂O, H.J.M. Hanley, G.J. Meyers, E.D. Sloan and J.W. White Int. J. Thermophysics, 10, 903-909 (1989).
155. On the Pair Correlation Function of an Intercalated Fluid, P.A. Wielopolski, D.J. Evans and J.W. White, Chem. Phys. Lett., 166, 602-604 (1989).
156. Small Angle Neutron Scattering Investigation of Compacted Nanophase TiO₂ and Pd, J.E. Epperson, R.W. Siegel, J.W. White, J.A. Eastman, Y.X. Liao and Narayanasamy, Proc. MRS-1989.
157. Microstructural Studies of Carbon Black Filler in Standard Malaysia Rubber Grade L (SMRL), M. Deraman, W. M. Wan Zin, J. W. White, S. J. Henderson, S. Nordin, J.B. Gomez, S. Hamzah and W. Wagner, Polymer Journal, 22, 745-750 (1990)
158. Deep Inelastic Neutron Scattering from Chemisorbed Hydrogen in Potassium Intercalated Graphite, B.S. Schirato, K.W. Herwig, P.E. Sokol and J.W. White, Chem. Phys. Lett., 165, 453-456 (1990).
159. Dynamics of the Intercalated Layer in C36Cs: Dependence on the Temperature and Substrate Potential, J.W. White and P.A. Wielopolski, Mol. Phys., 69, 959-972 (1990).
160. Structure of a Stage-3 Cs - Graphite Intercalate, H.J.M. Hanley, J.W. White and P.A. Wielopolski, Mol. Phys., 69, 947-957 (1990).
161. Neutron Scattering from Polyacetylene-Isoprene Block Copolymers, M. Aldissi, S.J. Henderson, P. Hofflin and J.W. White, Mol. Cryst. Liq. Cryst. 180A, 9-24 (1990).
162. Microphase Separation in Paraffin Solid Solutions, D.L. Dorset, J.E. Epperson, R. Snyder and J.W. White, Chem. Phys. Lett. 166, 560-564 (1990).
163. "Self Assembly" in New Materials Synthesis., J.W. White, Chem. in Aust., 57, 216-220 [1990].
164. Small Angle Neutron Scattering Investigation of Paraffin Solid Solutions Undergoing Microphase Separation., J.E. Epperson, J.W. White and D.G. Wozniak, Materials Research Society, October 1990 Proceedings, 166, 87-92 (Eng.) (1990).
165. High Energy Inelastic Neutron Scattering from Hydrogen in Cesium Intercalated Graphite, G.J. Kellogg, P.E. Sokol and J.W. White in Momentum Distributions (Eds R.N. Silver and P.E. Sokol), 351-354, (1990).
166. High Energy Inelastic Neutron Scattering from Physisorbed Hydrogen in Cesium Intercalated Graphite, K.W. Herwig, G.J. Kellogg, P.E. Sokol and J.W. White, J Chem. Phys., 93, 7153-7162 (1990).
167. Soluble Conducting Polymers from Polyisoprene, L. Dai and J.W. White, Polymer, 32, 2120-2124 (1991).
168. Rotational Tunnelling of Ammonia in Two Dimensional Metal-ammonia Solutions, C. Carlile, I. Jamie, M.J. Prager, W. Stead and J.W. White, J Chem. Soc., Faraday Trans., 87(1), 73-81, (1991).
169. The Dynamics of Acetonitrile Crystals and Clusters, P. Gamlen, W. Stead, J. Tomkinson and J.W. White, J Chem. Soc., Faraday Trans., 87(0), 539-545 (1991).
170. Physiochemical Characterisation of Dodecylphosphocholine/palmitoyllysophosphatidic Acid/Myelin Basic Protein Complexes, G.L. Mendz, D.J. Miller, I. McL. Jamie, J.W. White, L.R. Brown, G.B. Ralston and I.J. Kaplin, Biochemistry, 30, 6509-6516 (1991).
171. Studies of the Electrical Properties of Large Molecular Adsorbates, S.M. Lindsay, Y. Li, J. Pan, T. Thundat, L.A. Nagahara, P. Oden, J.A. DeRose, U. Knipping and J.W. White, J Vac. Sci. Technol. B, 9(2), 1096-1101 (1991).

172. Two Dimensional Caesium-ammonia Solid Solutions in $C_{23}Cs(NH_3)_x$, C.J. Carlile, I.McL. Jamie, G. Lockhart and J.W. White, *Mol. Phys.*, 76, 173-200 (1992).
173. Temperature Dependence of the Lattice Dynamics of Rb_3C_{60} , J.W. White, G. Lindsell, L. Pang, A. Palmisano, D.S. Sivia and J. Tomkinson, *Chem. Phys. Letts.*, 191, 92-96, (1992).
174. On the Interaction Potential of Graphite Intercalated Alkali Metals, P.A. Wielopolski and J.W. White, *Mol. Phys.*, 76, 1281-1288 (1992).
175. Scanning Tunnelling Microscopy of Mesomorphic Structures in Soluble Polyacetylenes., L. Dai, J.W. White and Zhu Peng-Wei, *Synthetic Metals*, 41, 173 (1991).
176. Electrochemical Activity of Soluble Acetylene/Isoprene Copolymers, J. Kerr and J.W. White, *Synthetic Metals*, 41, 911 (1991).
177. Quantised Microwave Power Absorption in High Tc Superconducting Oxides., R. Bramley, A.M. Stewart and J.W. White, *Materials Chemistry and Physics*, 30, 183-186 (1992).
178. The Electrochemical Behaviour of Polyacetylene-Polyisoprene Copolymers, A. Hammett, J.C.H. Kerr, L. Dai and J.W. White, *J Chem. Soc., Faraday Transactions*, 89, 277-287 (1992).
179. Small-Angle Neutron Scattering Studies of the Template-Mediated Crystallization of ZSM-5 Type Zeolite, Iton, L.E., Brun, T.O., Epperson, J.E., Trouw, F., White, J.W., Henderson, S.J., *Langmuir*, 8, 1045-1048 (1992).
180. Neutron Scattering from Adsorbed Molecules and Ions - Structure and Dynamics. (FACS Foundation Lecture 1991), J.W. White, *FACS Newsletter*, 1 (1993).
181. Aggregation in Soluble Conducting Copolymer Solutions, L. Dai and J.W. White, *J. Polymer Science B*, 31, 3-15 (1993).
182. Polymer Surfactant Structure at the Air-water Interface, I.R. Gentle, P.M. Saville, J.W. White and J. Penfold, *Langmuir*, 9, 646-648 (1993).
183. Reversible Alkali-Metal Reduction of C_{60} in Liquid Ammonia; First Observation of Near Infrared Spectrum of C_{60}^{5-} , W.K. Fullagar, I.R. Gentle, G.A. Heath and J.W. White, *J Chem. Soc., Chemical Communications*, 6, 525-527 (1993).
184. Dendrimer and Polystyrene Surfactant Structure at the Air Water Interface, P.M. Saville, J.W. White, C.J. Hawker, K.L. Wooley and J.M.J. Frechet, *J Phys. Chem.*, 97, 293-294 (1993).
185. Complementarity Revisited, J.W. White, *Neutron News*, 4, 2-3 (1993).
186. Determination of the London penetration length for Rb_3C_{60} with pulsed EPR. K.-P. Dinse, D.M. Wang, R. Bramley and J.W. White, *Physica C*, 218, 341-347 (1993).
187. Beyond the Chemistry of Molecules: Supramolecular Chemistry into the next Millenium, J.W. White, *Horizons of Chemistly*, Centre for Science Communication, University of Technology Sydney (1993).
188. The Surface Excess Structure in 1,4-Polyisoprene-Polyacetylene Copolymer Solutions, J.W. White, J.C.H. Kerr, J. Penfold, P.M. Saville and R.K. Thomas *Proceedings of the Third Pacific Polymer Conference December 1993 Progress in Pacific Polymer Science*, Springer Verlag, 3, 99-110 (1994).
189. Iodine-Induced Uncoiling of Polyisoprene Random Coils in Solution, L. Dai and J.W. White, *Eur. Polym. J* 30, 1443-1447 (1994).
190. Hydrogen/Deuterium Isotope Effects on Microphase Separation in Unstable Crystalline Mixtures of Binary n-Alkanes, R.G. Snyder, V.J.P. Srivatsavoy, D.A. Cates, H.L. Strauss, J.W. White and D.L. Dorset, *Journal of Physical Chemistry*, 98, 674-684 (1994).
191. Specular and Off-Specular Neutron Reflectivity of a Low Molecular Weight Polystyrene Surfactant at the Air-Water Interface, P.M. Saville, I.R. Gentle, J. Penfold, J.R.P. Webster and J.W. White, *J Phys. Chem.*, 98, 5935-5942, (1994).
192. Evidence for Perpendicular n-alkane Orientation at the Liquid/Graphite Interface. E.P. Gilbert, T. Senden and J.W. White, *Chem. Phys. Letts.*, 227, 443-446, (1994).

193. The Synthesis and Characterisation of a Self-Assembling Amphiphilic Fullerene, C.J. Hawker, P.M. Saville and J.W. White, *J Org. Chem.*, 59, 3503, (1994).
194. I₂-Doping of 1,4-Polydienes, L. Dai, A.W.H. Mau, H.J. Griesser, D. Winkler, T. Spurling, A. Hong, Y. Yang and J.W. White, *ICSM'94, Synthetic Metals*, 69, 563-566 (1995).
195. Room Temperature Formation of Molecular Sieve MCM-41, K.J. Edler and J.W. White, *J Chem. Soc., Chem. Commun.*, 155-156 (1995).
196. Superconductivity, Vibrational and Lattice Dynamics of Rb₃C₆₀, W.K. Fullagar, F. Trouw and J.W. White, *ICNS'94, Japan, October 1994, Physica B*, 213 & 214, 16-21, (1995).
197. Neutron Reflectivity and Structure of Polyether Dendrimers as Langmuir Films, P.M. Saville, P.A. Reynolds and J.W. White, *J. Phys. Chem.*, 99, 8283-8289 (1995).
198. X-ray and Neutron Powder Diffraction from Rb₃C₆₀(NH₃)_x and Li₃C₆₀(NH₃)_x - The Approach to Quasicrystallinity? R. Durand, W.K. Fullagar, G. Lindsell, P.A. Reynolds and J.W. White, *J. Molecular Physics*, 86, No. 1, 1-18 (1995).
199. Inelastic Neutron Scattering and Superconductivity of Rb₃C₆₀(NH₃)_x, C.J. Carlile, R. Durand, W.K. Fullagar, P.A. Reynolds, F. Trouw and J.W. White, *Molecular Physics*, 86, 19-37 (1995).
200. Small Angle X-ray Scattering from MCM41 and its Synthesis Gels - Optimisation of the Synthesis Parameters, K.J. Beller, J. Dougherty, R. Durand, L. Iton, G. Kirton, G. Lockhart, Z. Wang, R. Withers and J.W. White, *Colloids and Surfaces*, 102, 213-230 (1995).
201. Room Temperature Aging of a ZSM-5 Preparation Detected by Small Angle X-ray and Neutron Scattering and NMR Spectroscopy, J. Dougherty, L.E. Iton and J.W. White, *Zeolites*, 15, 640-649, (1995).
202. Disproportionation of Rb₃C₆₀ by Ammonia to Produce Two New Ammoniated Fullerides, W K Fullagar, D Cookson, J W Richardson Jr, P A Reynolds, J W White, *Chem. Phys. Lett.*, 245, 102-106, (1995).
203. Grafting of Buckminsterfullerene onto Polydiene: A New Route to Fullerene-Containing Polymers, L. Dai, A.W.H. Mau, H.J. Griesser, T.H. Spurling and J.W. White, *J. Phys. Chem.*, 99, 17302-17304, (1995).
204. A Small-Angle X-ray Scattering Study of Alginate Solutions and its Sol-Gel Transition by Addition of Divalent Cations, M. Konno, T. Nozawa, S. Saito, Z.Y. Wang and J.W. White, *Biopolymers* 35, 227-238, (1995).
205. Real and Imaginary Components of the Third-Order Nonlinearity of Polyaniline Dodecylbenzenesulfonic Salt, M. Samoc, A. Samoc, B. Luther-Davies, J. Swiatkiewicz, C.Q. Jin and J.W. White, *Optics Letters*, 20, 2478-2480, (1995).
206. Photochemical Generation of Conducting Patterns in Polybutadiene Films, L. Dai, H.J. Griesser, X. Hong, A.W.H. Mau, T.H. Spurling, Y. Yang and J.W. White, *Macromolecules*, 29, 282-287, (1996).
207. n-Paraffin Solid Solutions: Modification of Phase Separation with Carbon Number, E.P. Gilbert, AS. Brown, P.A. Reynolds and J.W. White, *Chemical Physics Letters*, 255, 373-377 (1996).
208. Methane Dynamics in the 36Å Mesopores of MCM-41 Studied by Neutron Scattering, K.J. Edler, P.A. Reynolds, F. Trouw and J.W. White, *Chemical Physics Letters*, 249, 438-443 (1996).
209. Australian Synchrotron Radiation Research Major National Research Facilities Program, J.W. White, *Chemistry in Australia*, 63, 103 (1996).
210. Small Angle X-ray Scattering of an Ordering Aggregation Peng Wei Zhu and J.W. White, *Journal of Chemical Physics*, 104, 9169-9173 (1996).
211. Chemical Reactions, Catalysis and Electrochemistry, P. Albers, A. Carma, G. Engelhardt, F. Fillaux, R. Hillman, H. Jobic, J. Rosiere, J.W. White, C. Carlile, H. Gies, D. Espinat, *Scientific*

- prospects for neutron scattering with present and future sources European Science Foundation, European Neutron Scattering Association, ISBN 2-9031 48-90-2, 83-93, (1996).
212. Dynamic Scaling in Microphase Separation of Binary Paraffin Mixtures, J.W. White, Peng Wei Zhu and J.E. Epperson, *Journal of Physical Chemistry*, 100, No. 51, 19967-19974 (1996).
 213. Microphase Separation in Graphite-Adsorbed Paraffin Solid Solutions, E.P. Gilbert, P.A. Reynolds and J.W. White, *Journal of Physical Chemistry*, 100, 18201-18213 (1996).
 214. In situ observation of the growth of silicalite nuclei by small-angle X-ray and neutron scattering, J.N. Watson and J.W. White, *Chemical Communications*, 2767-2768, (1996).
 215. Diffuse Wall Structure and Narrow Mesopores in Highly Crystalline MCM-41 Materials studied by X-ray Diffraction, D. Cookson, K.J. Edler, P.A. Reynolds and J.W. White, *Journal of the Chemical Society, Faraday Transactions*, 93, 199-202 (1997).
 216. Morphology and electrical properties of polyacetylene-polyisoprene conducting copolymers, L. Dai and J.W. White, *Polymer*, 38, 775-783, (1997).
 217. Neutron and X-ray Reflectometry: Solid Multilayers and Crumpling Films, A.S. Brown, S.A. Holt, P.M. Saville and J.W. White, *Australian Journal of Physics*, 50, 391-405, (1997).
 218. Further Improvements in the Long Range Order of MCM-41 Materials, K.J. Edler, P.A. Reynolds, D. Cookson and J.W. White, *Chemistry of Materials*, 9, 1226-1233, (1997).
 219. Structure and Dynamics of Hydrogen Sorption Mesoporous MCM-41, K.J. Edler, P.A. Reynolds, P.J. Branton, F.R. Trouw and J.W. White, *J Chem. Soc., Faraday Trans.*, 93, 1667-1674, (1997).
 220. Adsorption of Carbon Tetrachloride and Nitrogen by 3.4 nm pore diameter Siliceous MCM-41, P.J. Branton, K.S.W. Sing and J.W. White, *J. Chem. Soc., Faraday Trans.*, 93, 2337-2340, (1997).
 221. Isotope Effects on the Microphase Separation of Paraffin Mixtures, J.E. Epperson, R.G. Snyder, J.W. White, D. Wozniak and Zhu Peng-Wei, *Molecular Physics*, 91, 1017-1024, (1997).
 222. Small Angle X-ray Scattering from Phase Separating n-Paraffin Binary Mixtures, E.P. Gilbert, P.A. Reynolds, Zheng-Yu Wang and J.W. White, *Molecular Physics*, 91, 1025-1037, (1997).
 223. The Mechanism of Microphase Separation in Paraffin Hydrocarbon Mixtures, J.E. Epperson, R.G. Snyder, J.W. White and Zhu Peng-Wei, *Molecular Physics*, 91, 1039-1058, (1997).
 224. Thermodynamic Properties of n-Alkanes in Porous Graphite, P. Espeau and J.W. White, *J. Chem. Soc., Faraday Trans.*, 93(17), 3197-3200, (1997).
 225. X-ray Diffraction from Layers of n-Alkanes Adsorbed on Graphite, P. Espeau, P.A. Reynolds, D. Cookson, T. Dowling and J.W. White, *J. Chem. Soc., Faraday Trans.*, 93(17), 3201-3208, (1997).
 226. Advanced polymeric materials based on rubber, L. Dai and J.W. White, *Polymers and Organic Solids*, Edited by Lianghe Shi and Daoben Zhu, Science Press, Beijing, China, 287-321, (1997).
 227. Mesoporous Silicate Film Growth at the Air Water Interface - Direct Observation by X-ray Reflectivity, A.S. Brown, S.A. Holt, Thien Dam, M. Trau and J.W. White, *Langmuir*, 13(24), 6363-6365, (1997).
 228. TPA-Silicalite Crystallization from Homogeneous Solution: Kinetics and Mechanism of Nucleation and Growth, J.N. Watson, L.E. Iton, R.I. Keir, J.C. Thomas, T.L. Dowling and J.W. White, *Journal of Physical Chemistry B*, 101(48), 10094-10104, (1997).

229. Recent Advances in the Study of Chemical Surfaces and Interfaces by Specular Neutron Reflection, Penfold, J., Richardson, R.M., Zarbakhsh, A., Webster, J.R.P., Bucknall, D.G., Rennie, A.R., Jones, R.A.L., Cosgrove, T., Thomas, R.K., Higgins, J.S., Fletcher, P.D.I., Dickinson, E., Roser, S.J., McLure, I.A., Hillman, A.R., Richards, R.W., Staples, E.J., Burgess, A.N., Simister, E.A., White, J.W., *J Chem. Soc., Faraday Trans.*, 93(22), 3899-3917, (1997).
230. Interfacial Science Using Synchrotron Radiation, J.W. White, *Proceeding of the Regional Workshop on Applications of Synchrotron Radiation*, ISBN 974-637-347-1.
231. Lithium and Sodium Fullerides Prepared in Liquid Ammonia, W.K. Fullagar, P.A. Reynolds and J.W. White, *Solid State Communications*, 104(1), 23-27, (1997).
232. Synthesis and Mechanism of Swollen MCM-41, P.J. Branton, J. Dougherty, G. Lockhart, J. W. White In *Characterisation of Porous Solids IV*, Ed. B. McEnaney, T.J. Mays, J. Ronquerol, F. Rodriguez-Reinso, K.S. W. Sing, and K. K. Ungar, Published by The Royal Society of Chemistry, MPG Books Ltd, Bodmin, Cornwall 668-674 (1997).
233. Small Angle Neutron Scattering Studies on the Mesoporous Molecular Sieve, MCM 41, K. Edler, P.A. Reynolds and J.W. White, *J. Physical Chemistry B*. 102 (19) 3676-3683 (1998).
234. Shear and Salt Effects on the Structure of MCM-41 Synthesis Gels, K.J. Edler, P.A. Reynolds, A.S. Brown, T.M. Slaweki and J.W. White, *J. Chem. Soc., Faraday Transactions* 94 (9), 1287-1291 (1998).
235. Structural and Dynamic Aspects of the Tunnelling of Hydrogen in Caesium-intercalated Graphite, C.J. Carlile, G.J. Kearley, G. Lindsell and J.W. White, *ICNS'97, Canada, August 1997, Physica B*, 241 - 243, 491-494, (1998).
236. Surface Activity of Modified Dendrimers at High Compression, G.F. Kirton, AS. Brown, C.J. Hawker, P.A. Reynolds and J.W. White *Physica B.*, 248, 184-190, (1998).
237. Characterisation of a basal-plane-oriented graphite, E.P. Gilbert, P.A. Reynolds and J.W. White, *J. Chem. Soc., Faraday Transactions* 94 (13), 1861-1868 (1998).
238. Growth of Highly Ordered Thin Silicate Films at the Air-Water Interface AS Brown, S.A. Holt, P.A. Reynolds, J. Penfold, and J.W. White *Langmuir*, (14) 19, 5532-5538 (1998).
239. Detection of TPA -silicalite precursors nucleated during the room temperature aging of a clear homogeneous synthesis solution, J.N. Watson, AS. Brown, L.E. Iton, and J.W. White, *J. Chem. Soc., Faraday Transactions* 94 (15), 2181-2186 (1998).
240. Induced Structural Changes at Aliphatic Hydrocarbon-graphite Interface, E.P. Gilbert, P.A. Reynolds and J.W. White, *Colloids and Surfaces A*, 141, 81-100, (1998).
241. Observation of a cubic phase in mesoporous silicate films grown at the air/water interface, J.L. Ruggles, S.A. Holt, P.A. Reynolds, AS. Brown, D.C. Creagh, and J.W. White, *Phys. Chem. Chem. Phys.*, 1, 323-328 (1999).
242. A Millisecond X-Ray Reflectometer. J.W. White, AS. Brown, R.F. Garrett, D.J. King and T.L. Dowling, *Australian Journal of Physics*, 52, 87-100 (1999).
243. Observation of hexagonal crystalline diffraction from growing silicate films Stephen A Holt, Garry J Foran, John W White, *Langmuir*, 15 (7), 2540-2542 (1999).
244. Neutron Scattering in the 21st Century, J W White, *AINSE's 40th Anniversary Proceedings*, Lucas Heights, Sydney, 2 & 3 December 1998.
245. Adsorption of Carbon Tetrachloride and Nitrogen by 3.4 nm pore diameter Siliceous MCM-41: Isotherms and Neutron diffraction, P.J. Branton, P.A. Reynolds, A. Studer, K.S.W. Sing and J.W. White, *Adsorption*, 5, 91-96 (1999).
246. Microphase separation kinetics in n- alkane mixtures, E.P Gilbert, P. A Reynolds, P. Thiyagarajan, D. Wozniak and J.W. White, *Phys. Chem. Chem. Phys.*, 1, 2715-2714 (1999).
247. Preparation Dependent Stability of Pure Silica MCM-41 Karen J Edler, and John W White, *Journal of Materials Chemistry*, 9 (10), 2611-2615 (1999).

248. Light and X-ray Scattering from the Early Growth Stages of Zeolite A. Part I Puyam Singh, Trevor Dowling, Jonathan Watson and John White, *Phys. Chem. Chem. Phys.*, 1 (17), 4125-4130, (1999) 1, issue 17.
249. Nucleation and Growth of Zeolite A Under Reagent Controlled Conditions. Part II Puyam Singh, and John White, *Phys. Chem. Chem. Phys.*, 1 (17), 4131-4138, (1999)
250. The molecular structure of the surface of commercial cow's milk, Stephen A Holt and John W White, *Phys. Chem. Chem. Phys.*, 1 (22), 5139-5145, (1999).
251. Synthesis of silica films at the air/water interface: Effect of template chain length and ionic strength, J L Ruggles, S A Holt, P A Reynolds and J W White, *Langmuir*, 16, 4612-4619 (2000).
252. Application of small-angle scattering to the study of graphite-adsorbed hydrocarbons, E. Gilbert, P. Reynolds and J. White, *J Applied Crystallography*, 33, 744-748 (2000).
253. Application of x-ray and neutron methods to complex systems in energy and fuels science J W White, A Brown, K Edler, S Holt, J Watson, PA Reynolds, J Ruggles and L Iton American Chemical Society, March 2000 Meeting.
254. High Internal Phase Water-in-Oil Emulsions Studied by Small Angle Neutron Scattering Philip A Reynolds, Elliot P Gilbert and John W White, *J Phys. Chem B*, 104, 7012-7022 (2000).
255. Protein deformation and surfactancy at an interface, Stephen A Holt, Duncan J McGillivray, Simon Poon, John W White, *J Phys. Chem B*, 104, 7431-7438 (2000).
256. Scaled Structures in Late Stages of Microphase Separation of Binary Paraffin Mixtures Peng Wei Zhu, J W White and J E Epperson, *Phys. Rev. E*. 62(6), 8234-8240 (2000).
257. Growth of Silicated Films at the Solid/Liquid Interface S A Holt, P A Reynolds, and J W White, *Physical Chemistry Chemical Physics* 2, 24, 5667-5671 (2000).
258. Polymeric Surfactant Structure Paul M Saville and John W White, *Chinese Journal of Polymer Science*, 2, 135- (2001).
259. High internal phase water-in oil emulsions and related microemulsions studied by small angle neutron scattering: II the distribution of surfactant, Philip A Reynolds, Elliot P Gilbert and John W White, *J Phys. Chem B*, 105, 6925-6932 (2001).
260. An energy dispersive time resolved liquid surface reflectometer RF Garrett, J W White, K J King, T L Dowling and W Fullagar *Nucl. Instr. Meth. A*, 467-468, 998-1000, (2001).
261. Structure development in octadecyl trimethylammonium templated silicate films grown at the air/water interface, S A Holt, J L Ruggles, JW White and R.F. Garrett, *J. Phys. Chem B*, 106 (9), 2330-2336, (2002).
262. Thermal Denaturation of Interfacial Protein Layer Holt, S. A., Henderson, M. J. and White, J.W., *Aust. J Chem.*, Special Edition of Plenary Lectures, 25 Australian Polymer Symposium, 55, 449-459 (2002).
263. The Interfacial Structure of a High Internal Phase Emulsion Near a Solid Surface. Reynolds, P.A.; Henderson, M. J.; Holt, S. A.; and White, J. W., *Langmuir* 18, 9153-9157 (2002).
264. Neutron and X-ray Reflectivity from Polyisobutylene-Based Amphiphiles at the Air- Water Interface, Reynolds, P.A.; McGillivray, D.J.; Gilbert, E.P.; Holt, S. A.; Henderson, M. J.; and White, J. W., *Langmuir* (2003), 19, 752-761.
265. Expanded Mesoporous Silicate Films Grown at the Air-Water Interface by Addition of Hydrocarbons, Ruggles, J.L.; Gilbert, E.P.; Holt, S. A.; Reynolds, P.A.; and White, J. W., *Langmuir* 19, 793-800 (2003).
266. The growth of self-assembled titania-based films at the air-water interface. Henderson, M.J., King, D. and White, J.W., *Aust. J Chem.* 56, 933-939 (2003).

267. Structural Development of Silicated Films Self-Assembled at the Air-Water Interface, Holt, S.A., Ruggles, J.L., Reynolds, P.A. and White, J.W., *Physica B* 336, 193-203 (2003).
268. Characterization of Electrosterically Stabilized Polystyrene Latex; Implications for Radical Entry Kinetics, De Bruyn, H., Gilbert, R.G., White, J.W. and Schulz, J.C., *Polymer* 44, 4411-4420 (2003).
269. A Small Angle Neutron Scattering Study of the Interface Between Solids and Oil-continuous Emulsions and Oil based Microemulsions, Reynolds, P. A., Henderson, M. J., White, J. W., *Colloids Surf A*, 232(1): pp. 55-65 (2004).
270. Time Dependent Changes in the Formation of Titania Based Films at the Air-Water Interface, Henderson, M. J., King, D., White, J. W., *Langmuir*, 20(6): pp. 2305-2308 (2004).
271. Determination of domain sizes in blends of poly(ethylene) and poly(styrene) formed in the presence of supercritical carbon dioxide, Thurecht, K.J., Hill, D.J.T., Preston, C.M.L., Rintoul, L., White, J.W., Whittaker, A.K. (2004) *Macromolecules*, 37 (16), pp. 6019-6026.
272. Comparative Study by X-ray Reflectivity of Mesoporous Silica Thin Films templated by F127 and P123 surfactants, Gibaud, A., Henderson, M. J., Colas, M., Dourdain, S., Bardeau, J.-F., White, J. W., *AzoNano-Online Journal of Nanotechnology*, 1: a0109/l-7 (2005).
273. A zirconium oxide film self-assembled at the air-water interface, Henderson, M.J., Gibaud, A., Bardeau, J.-F., Rennie, A.R., White, J.W., *Physica B: Condensed Matter*, 357 (1-2 SPEC. ISS.), pp. 27-33 (2005)
274. The phase transitions of n-alkanes in mesoscopic pores of graphite, Espeau, P., White, J.W., *Carbon* 43 pp. 1885-1890. (2005)
275. TiO₂ film stabilized by gelatin at the air-water interface, Liu, X.-H., White, J., Wang, X. *Chinese Journal of Inorganic Chemistry* 21, pp. 1490-1494. (2005)
276. Characterization of a protein-based adhesive elastomer secreted by the Australian frog *Notaden bennetti*, Graham, L.D., Glattauer, V., Huson, M.G., Maxwell, J.M., Knott, R.B., White, J.W., Vaughan, P.R., Peng, Y., Tyler, M.J., Werkmeister, J.A., Ramshaw, J.A., *Biomacromolecules* 6 (6), pp. 3300-3312. (2005)
277. Protein-poly(silicic) acid interactions at the air/solution interface, Henderson, M.J., Perriman, A.W., Robson-Marsden, H., White, J.W. *Journal of Physical Chemistry B* 109 (44), pp. 20878-20886 (2005)
278. Self-assembly of ZrO₂ films templated by surfactants at the air-water interface, Liu, X.-H., White, J., Wang, X., *Acta Chimica Sinica* 63 (18), pp. 1699-1702 (2005).
279. Stabilities of dodecylbenzenesulfonic acid as template of ZrO₂ films at air-water interface, Liu, X.-H., White, J., Wang, X., *Chinese Journal of Inorganic Chemistry* 21 (12), pp. 1827-1830 (2005).
280. The structure of n-alkane binary mixtures adsorbed on graphite, Espeau, P., White, J.W., Papoular, R.J., *Applied Surface Science* 252 (5), pp. 1350-1359 (2005).
281. Isotope effects on the phase behaviour of cetyltrimethylammonium bromide in H₂O and D₂O studied by time resolved X-ray diffraction, Yang, B., White, J.W., *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 277 (1-3), pp. 171-176 (2006).
282. An X-ray reflectivity study of evaporation-induced self-assembled titania-based films, Henderson, M.J., Gibaud, A., Bardeau, J.-F., White, J.W., *Journal of Materials Chemistry* 16 (25), pp. 2478-2484 (2006).
283. Kinetics of adsorption of lysozyme at the air-water interface and the role of protein charge, Perriman, A.W., White, J.W., *Physica B: Condensed Matter* 385-386 Part I, pp. 716-718 (2006).

284. Small angle scattering from protein/sugar conjugates, Jackson, A., White, J., *Physica B: Condensed Matter*, 385-386 I, pp. 818-820 (2006).
285. Aggregation in a high internal phase emulsion observed by SANS and USANS, Zank, J., Reynolds, P.A., Jackson, A.J., Baranyai, K.J., Perriman, A.W., Barker, J.G., Kim, M.-H., White, J.W., *Physica B: Condensed Matter*, 385-386 I, pp. 776-779 (2006).
286. Swelling of a mesostructured zirconium oxide film, Henderson, M.J., Rennie, A.R., Hawley, A.M., White, J.W., *Physica B: Condensed Matter*, 385-386 I, pp. 713-715 (2006).
287. Ladewig, B.P., Knott, R.B., Hill, A.J., Riches, J.D., White, J.W., Martin, D.J., Da Costa, J.C.D., Lu, G.Q., Physical and electrochemical characterization of nanocomposite membranes of nafion and functionalized siliconoxide, *Chemistry of Materials*, 19 (9), pp. 2372-2381 (2007).
288. Perriman, A.W., Henderson, M.J., Holt, S.A., White, J.W., Effect of the air-water interface on the stability of β -lactoglobulin, *Journal of Physical Chemistry B*, 111 (48), pp. 13527-13537 (2007).
289. Perriman, A.W., Apponyi, M.A., Buntine, M.A., Jackway, R.J., Rutland, M.W., White, J.W., Bowie, J.H. Surface movement in water of splendipherin, the aquatic male sex pheromone of the tree frog *Litoria splendida*, *FEBS Journal*, 275 (13), pp. 3362-3374 (2008).
290. Perriman, A.W., Henderson, M.J., Evenhuis, C.R., McGillivray, D.J., White, J.W., Effect of the air-water interface on the structure of lysozyme in the presence of guanidinium chloride, *Journal of Physical Chemistry B*, 112 (31), pp. 9532-9539 (2008).
291. Perriman, A.W., McGillivray, D.J., White, J.W. Reactions of isolated mono-molecular protein films, *Soft Matter*, 4 (11), pp. 2192-2198 (2008).
292. Faunce, T.A., White, J., Matthaei, K.I., Integrated research into the nanoparticle-protein corona: A new focus for safe, sustainable and equitable development of nanomedicines, *Nanomedicine*, 3 (6), pp. 859-866 (2008).
293. White, J.W., Perriman, A.W., McGillivray, D.J., Lin, J.-M., Protein interfacial structure and nanotoxicology, *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 600 (1), pp. 263-265 (2009).
294. McGillivray, D.J., Mata, J.P., White, J.W., Zank, J. Nano- and microstructure of air/oil/water interfaces, *Langmuir*, 25 (7), pp. 4065-4069 (2009).
295. Reynolds, P.A., McGillivray, D.J., Jackson, A.J., White, J.W., Ultra-small-angle neutron scattering: A tool to study packing of relatively monodisperse polymer spheres and their binary mixtures, *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 80 (1), art. no. 011301 (2009).
296. Reynolds, P.A., Gilbert, E.P., Henderson, M.J., White, J.W. Structure of high internal phase aqueous-in-oil emulsions and related inverse micelle solutions. 4. Surfactant mixtures, *Journal of Physical Chemistry B*, 113 (36), pp. 12243-12256 (2009).
297. Reynolds, P.A., Gilbert, E.P., Henderson, M.J., White, J.W. Structure of high internal phase aqueous-in-oil emulsions and related inverse micelle solutions. 3. variation of surfactant, *Journal of Physical Chemistry B*, 113 (36), pp. 12231-12242 (2009).
298. Lin, J.-M., White, J.W. Denaturation resistance of β -lactoglobulin in monomolecular films at the air-water interface, *Journal of Physical Chemistry B*, 113 (43), pp. 14513-14520 (2009).
299. Yaron, P.N., Reynolds, P.A., McGillivray, D.J., Mata, J.P., Whitest, J.W. Nano- And microstructure of high-internal phase emulsions under shear, *Journal of Physical Chemistry B*, 114 (10), pp. 3500-3509 (2010).

300. Reynolds, P.A., McGillivray, D.J., Mata, J.P., Yaron, P.N., White, J.W. The stability of high internal phase emulsions at low surfactant concentration studied by small angle neutron scattering, *Journal of Colloid and Interface Science*, 349 (2), pp. 544-553 (2010).
301. White, J.W., Lin, J.-M., Ang, J.C., Campbell, R.A., Laux, V., Haertlein, M., Fragneto, G. Nanostructure of the protein-nanoparticle corona an indicator of toxicity? ICONN 2010 - Proceedings of the 2010 International Conference on Nanoscience and Nanotechnology, art.no. 6045250, pp. 289-292 (2010).
302. Ang, J.C., Lin, J.-M., Yaron, P.N., White, J.W. Protein trapping of silica nanoparticles, *Soft Matter*, 6 (2), pp. 383-390 (2010).
303. Lin, J.-M., Ang, J.C., White, J.W. Resistance of β -casein at the air-water interface to enzymatic cleavage, *Langmuir*, 26 (24), pp. 18985-18991 (2010).
304. Yaron, P.N., Scott, A.J., Reynolds, P.A., Mata, J.P., White, J.W., High internal phase emulsions under shear. Co-surfactancy and shear stability, *Journal of Physical Chemistry B*, 115 (19), pp. 5775-5784 (2011).
305. White, J.W., White, A.B. The neutron the curie family's legacy, *Australian Journal of Chemistry*, 64 (7), pp. 855-863 (2011).
306. Reynolds, P.A., Henderson, M.J., Zank, J., White, J.W. Complex layering observed in high internal phase emulsions at a silicon surface by neutron reflectometry, *Journal of Colloid and Interface Science*, 364 (2), pp. 539-545 (2011).
307. White, J.W., George Bacon - A scientific appreciation, *Crystallography Reviews*, 18 (2), pp. 181-183 (2012).
308. Henderson, M.J., Nishimura, T., White, J.W., The intercalation of N, N, N', N' -tetramethyl-ethane-1,2-diamine (tmeda) into C_6Li and $C_{12}Li$, *Inorganic Chemistry*, 51 (8), pp. 4426-4428 (2012).
309. Shalav, A., Bullock, J., Anderson, P., Ruffell, S., White, J., Ellimania, R.G. The mechanical and photochemical properties of titania coated silica nanowires, *ECS Journal of Solid State Science and Technology*, 1 (5), pp. Q114-Q118 (2012).
310. Basch, A., de Campo, L., Albering, J.H., White, J.W. Texture effects in the delithiation of lithium cobalt oxide, *Materials Science Forum*, 736, pp. 301-306 (2013).
311. Mata, J.P., Reynolds, P.A., Gilbert, E.P., White, J.W., Extended Q-range small angle neutron scattering from inverse micellar solutions of PIBSA-Micelle and molecular scattering, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 418, pp. 157-164 (2013).
312. Henderson, M.J., Nishimura, T., White, J.W. An X-ray diffraction study of oriented lithium-N,N,N',N'-tetramethyl-ethane-1,2-diamine intercalated graphite, *Carbon*, 62, pp. 25-34 (2013).
313. Basch, A., De Campo, L., Albering, J.H., White, J.W., Chemical delithiation and exfoliation of Li_xCoO_2 , *Journal of Solid State Chemistry*, 220, pp. 102-110 (2014).
314. Ang, J.C., Henderson, M.J., Campbell, R.A., Lin, J.-M., Yaron, P.N., Nelson, A., Faunce, T., White, J.W., Human serum albumin binding to silica nanoparticles-effect of protein fatty acid ligand, *Physical Chemistry Chemical Physics*, 16 (21), pp. 10157-10168 (2014).
315. White, J., Heß, D., Raynes, J., Laux, V., Haertlein, M., Forsyth, T., Jeyasingham, A. The aggregation of "native" human serum albumin, *European Biophysics Journal*, 44 (5), pp. 367-371 (2015).
316. Campbell, R.A., Ang, J.C., Sebastiani, F., Tummino, A., White, J.W., Spread Films of Human Serum Albumin at the Air-Water Interface: Optimization, Morphology, and Durability, *Langmuir*, 31 (50), pp. 13535-13542 (2015).

- 317. Horgan, C.C., Rodriguez, A.L., Li, R., Bruggeman, K.F., Stupka, N., Raynes, J.K., Day, L., White, J.W., Williams, R.J., Nisbet, D.R., Characterisation of minimalist co-assembled fluorenylmethyloxycarbonyl self-assembling peptide systems for presentation of multiple bioactive peptides, *Acta Biomaterialia*, 38, pp. 11-22 (2016).
- 318. Berlie, A., White, J.W., Henderson, M., Cottrell, S. Emergent magnetism from lithium freezing in lithium-doped boron nitride, *Physical Review Materials*, 1 (5), art. no. 054405 (2017).
- 319. White, J., Laux, V., Fraser, N., Heß, D., Haertlein, M., Forsyth, T., Deuterium effects on human serum albumin in solution, *Physica B: Condensed Matter*, 551, pp. 208-211 (2018).
- 320. Deluliis, G., Sahasrabudhe, G., Davis, R., White, J., Galvin, K., Effects of emulsifier concentration in a high-internal-phase, W/O emulsion binder on particle agglomeration, *Chemical Engineering Science*, 248, art. no. 117098 (2022).
- 321. White, J., D11 and small angle neutron scattering: a paradigm of ILL, *European Physical Journal E*, 46 (11), art. no. 112 (2023).
- 322. Tukova, A., Whitten, A.E., Duff, A. P., Laux, V., White, J.W., Rodger, A., Wang, Y., Garcia-Bennett, A.E., SANS/SAXS Study to Unravel the Protein Corona Dynamics Using Deuterated Human Serum Albumin Interactions with Plasmonic Au Nanostructures, *ACS Applied Nano Materials* 8, 19179–19191 (2025),
<https://doi.org/10.1021/acsanm.5c02983>