

# Wim Bouwman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4948402/publications.pdf>

Version: 2024-02-01

139  
papers

3,574  
citations

159525

30  
h-index

168321

53  
g-index

141  
all docs

141  
docs citations

141  
times ranked

2943  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Structural characterization of spray-dried microgranules by spin-echo small-angle neutron scattering. <i>Powder Technology</i> , 2021, 378, 680-684.  | 2.1 | 5         |
| 2  | Simulations of foil-based spin-echo (modulated) small-angle neutron scattering with a sample using <i>McStas</i> . <i>Journal of Applied Crystallography</i> , 2021, 54, 195-202.   | 1.9 | 1         |
| 3  | The microscopic distribution of hydrophilic polymers in interpenetrating polymer networks (IPNs) of medical grade silicone. <i>Polymer</i> , 2021, 224, 123671.   | 1.8 | 5         |
| 4  | Scattering from oriented objects analysed by the anisotropic Guinier–Porod model. <i>Food Structure</i> , 2021, 30, 100221.   | 2.3 | 2         |
| 5  | Spin-echo small-angle neutron scattering for multiscale structure analysis of food materials. <i>Food Structure</i> , 2021, 30, 100235.   | 2.3 | 7         |
| 6  | Impact of water degumming and enzymatic degumming on gum mesostructure formation in crude soybean oil. <i>Food Chemistry</i> , 2020, 311, 126017.   | 4.2 | 16        |
| 7  | Analysis of SESANS data by a numerical Hankel transform implementation in SasView. <i>Journal of Neutron Research</i> , 2020, 22, 57-70.  | 0.4 | 5         |
| 8  | Small angle neutron scattering quantifies the hierarchical structure in fibrous calcium caseinate. <i>Food Hydrocolloids</i> , 2020, 106, 105912.   | 5.6 | 12        |
| 9  | Mesoporous Silica Formation Mechanisms Probed Using Combined Spin–Echo Modulated Small-Angle Neutron Scattering (SEMSANS) and Small-Angle Neutron Scattering (SANS). <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28461-28473.   | 4.0 | 15        |
| 10 | Fibre formation in calcium caseinate influenced by solvent isotope effect and drying method – A neutron spectroscopy study. <i>Chemical Engineering Science</i> , 2019, 207, 1270-1277.   | 1.9 | 5         |
| 11 | Small-angle neutron scattering (SANS) and spin-echo SANS measurements reveal the logarithmic fractal structure of the large-scale chromatin organization in HeLa nuclei. <i>Journal of Applied Crystallography</i> , 2019, 52, 844-853.   | 1.9 | 11        |
| 12 | Systematically quantifying oil–water microemulsion structures using (spin-echo) small angle neutron scattering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 166-175.   | 2.3 | 5         |
| 13 | Evolution of dispersion in the melt compounding of a model polymer nanocomposite system: A multi-scale study. <i>Polymer Testing</i> , 2019, 76, 109-118.   | 2.3 | 3         |
| 14 | A versatile shear cell for investigation of structure of food materials under shear. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 566, 21-28.  | 2.3 | 11        |
| 15 | Networks of micronized fat crystals grown under static conditions. <i>Food and Function</i> , 2018, 9, 2102-2111.   | 2.1 | 25        |
| 16 | The extended law of corresponding states when attractions meet repulsions. <i>Soft Matter</i> , 2018, 14, 3704-3715.  | 1.2 | 7         |
| 17 | Air bubbles in fibrous caseinate gels investigated by neutron refraction, X-ray tomography and refractive microscope. <i>Food Hydrocolloids</i> , 2018, 83, 287-295.  | 5.6 | 18        |
| 18 | Feasibility and applications of the spin-echo modulation option for a small angle neutron scattering instrument at the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 856, 119-132. | 0.7 | 4         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | High-strength bacterial cellulose-polyacrylamide hydrogels: Mesostructure anisotropy as studied by spin-echo small-angle neutron scattering and cryo-SEM. <i>European Polymer Journal</i> , 2017, 88, 269-279. | 2.6 | 28        |
| 20 | Influence of neutron irradiation on the microstructure of nuclear graphite: An X-ray diffraction study. <i>Journal of Nuclear Materials</i> , 2017, 487, 323-330.  | 1.3 | 20        |
| 21 | A Journey along the Extruder with Polystyrene-C <sub>60</sub> Nanocomposites: Convergence of Feeding Formulations into a Similar Nanomorphology. <i>Macromolecules</i> , 2017, 50, 3301-3312.                  | 2.2 | 8         |
| 22 | Investigation of the closed porosity of functional ceramic materials by spin-echo small-angle neutron scattering. <i>Journal of Surface Investigation</i> , 2017, 11, 92-98.                                   | 0.1 | 1         |
| 23 | Additive scaling law for structural organization of chromatin in chicken erythrocyte nuclei. <i>Physical Review E</i> , 2017, 96, 012411.  | 0.8 | 21        |
| 24 | Spin-echo small-angle neutron scattering study of the structure organization of the chromatin in biological cell. <i>Journal of Physics: Conference Series</i> , 2017, 862, 012010.                            | 0.3 | 6         |
| 25 | On the analysis of time-of-flight spin-echo modulated dark-field imaging data. <i>Journal of Physics: Conference Series</i> , 2017, 862, 012026.   | 0.3 | 4         |
| 26 | Wavelength-independent constant period spin-echo modulated small angle neutron scattering. <i>Review of Scientific Instruments</i> , 2016, 87, 063907.   | 0.6 | 4         |
| 27 | Characterization of the Stratified Morphology of Nanoparticle Agglomerates. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20446-20453.   | 1.5 | 11        |
| 28 | From nanopores to macropores: Fractal morphology of graphite. <i>Carbon</i> , 2016, 96, 541-547.   | 5.4 | 23        |
| 29 | Microstructure and rheology of globular protein gels in the presence of gelatin. <i>Food Hydrocolloids</i> , 2016, 55, 34-46.  | 5.6 | 34        |
| 30 | Relating water holding of ovalbumin gels to aggregate structure. <i>Food Hydrocolloids</i> , 2016, 52, 87-94.  | 5.6 | 44        |
| 31 | Quantitative Neutron Dark-field Imaging through Spin-Echo Interferometry. <i>Scientific Reports</i> , 2015, 5, 16576.  | 1.6 | 30        |
| 32 | Characterizing Length Scales that Determine the Mechanical Behavior of gels from Crosslinked Casein Micelles. <i>Food Biophysics</i> , 2015, 10, 416-427.  | 1.4 | 15        |
| 33 | On characterization of anisotropic plant protein structures. <i>Food and Function</i> , 2014, 5, 3233-3240.  | 2.1 | 51        |
| 34 | Interpretation of X-ray diffraction patterns of (nuclear) graphite. <i>Carbon</i> , 2014, 69, 17-24.   | 5.4 | 51        |
| 35 | Direct comparison of SESANS and SAXS to measure colloidal interactions. <i>Europhysics Letters</i> , 2014, 106, 28002.   | 0.7 | 9         |
| 36 | Multidimensional Nature of Fluidized Nanoparticle Agglomerates. <i>Langmuir</i> , 2014, 30, 12696-12702.   | 1.6 | 32        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Concept for a time-of-flight Small Angle Neutron Scattering instrument at the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 762, 22-30. | 0.7 | 23        |
| 38 | Influence of substrate microstructure on longitudinal correlation length of porous system of anodic alumina: Small-angle scattering study. Nanotechnologies in Russia, 2013, 8, 631-638.   | 0.7 | 6         |
| 39 | DCD USANS and SESANS: a comparison of two neutron scattering techniques applicable for the study of large-scale structures. Journal of Applied Crystallography, 2013, 46, 354-364.   | 1.9 | 20        |
| 40 | Multidimensionality in fluidized nanopowder agglomerates. AIP Conference Proceedings, 2013, , .  | 0.3 | 3         |
| 41 | Using a grating analyser for SEMSANS investigations in the very small angle range. Physica B: Condensed Matter, 2012, 407, 4132-4135.  | 1.3 | 15        |
| 42 | Elucidation of density profile of self-assembled sitosterol + oryzanol tubules with small-angle neutron scattering. Faraday Discussions, 2012, 158, 223.   | 1.6 | 45        |
| 43 | Stability of aqueous food grade fibrillar systems against pH change. Faraday Discussions, 2012, 158, 125.  | 1.6 | 42        |
| 44 | TOF-SEMSANSâ€”Time-of-flight spin-echo modulated small-angle neutron scattering. Journal of Applied Physics, 2012, 112, .  | 1.1 | 24        |
| 45 | The Kinetics and Mechanism of Long-Range Pore Ordering in Anodic Films on Aluminum. Journal of Physical Chemistry C, 2011, 115, 23726-23731.   | 1.5 | 50        |
| 46 | Magnetic topology of Co-based inverse opal-like structures. Physical Review B, 2011, 84, .   | 1.1 | 21        |
| 47 | McStas-model of the delft SESANS. Physica B: Condensed Matter, 2011, 406, 2361-2364.   | 1.3 | 10        |
| 48 | Combined SANSâ€”SESANS, from 1nm to 0.1mm in one instrument. Physica B: Condensed Matter, 2011, 406, 2357-2360.  | 1.3 | 25        |
| 49 | A magnetised foil as inclined ï¿½-flipper for time-of-flight neutron beams. Physica B: Condensed Matter, 2011, 406, 2467-2469.   | 1.3 | 4         |
| 50 | Spin-Echo Small Angle Neutron Scattering analysis of liposomes and bacteria. Journal of Physics: Conference Series, 2010, 247, 012016.   | 0.3 | 3         |
| 51 | Study of Inverse Ni-based Photonic Crystal using the Microradian X-ray Diffraction. Journal of Physics: Conference Series, 2010, 247, 012029.  | 0.3 | 3         |
| 52 | Spin-echo small-angle neutron scattering (SESANS) measurements of needle-like crystallites of gelator compounds. Journal of Physics: Conference Series, 2010, 251, 012035.   | 0.3 | 1         |
| 53 | Long-range ordering in anodic alumina films: a microradian X-ray diffraction study. Journal of Applied Crystallography, 2010, 43, 531-538.   | 1.9 | 33        |
| 54 | Milk Gelation Studied with Small Angle Neutron Scattering Techniques and Monte Carlo Simulations. Journal of Physical Chemistry A, 2010, 114, 2412-2426.   | 1.1 | 29        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Fabrication of Artificial Opals by Electric-Field-Assisted Vertical Deposition. <i>Langmuir</i> , 2010, 26, 2346-2351.   | 1.6 | 56        |
| 56 | Determination of the real structure of artificial and natural opals on the basis of three-dimensional reconstructions of reciprocal space. <i>JETP Letters</i> , 2009, 90, 272-277.  | 0.4 | 20        |
| 57 | Spatial modulation of a neutron beam by Larmor precession. <i>Physica B: Condensed Matter</i> , 2009, 404, 2585-2589.  | 1.3 | 18        |
| 58 | Structure, anisotropy and fractals in compressed cohesive powders. <i>Powder Technology</i> , 2009, 189, 6-13.   | 2.1 | 9         |
| 59 | Double Stacking Faults in Convectively Assembled Crystals of Colloidal Spheres. <i>Langmuir</i> , 2009, 25, 10408-10412.   | 1.6 | 54        |
| 60 | Structure in cohesive powders studied with spin-echo small angle neutron scattering. <i>Granular Matter</i> , 2008, 10, 407-414.   | 1.1 | 10        |
| 61 | Analysis of spin-echo small-angle neutron scattering measurements. <i>Journal of Applied Crystallography</i> , 2008, 41, 868-885.  | 1.9 | 101       |
| 62 | Real-space neutron scattering methods. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 586, 9-14.   | 0.7 | 26        |
| 63 | Real-Space Neutron Scattering without Collimation: SESANS at the Delft University of Technology. <i>Neutron News</i> , 2008, 19, 19-21.  | 0.1 | 0         |
| 64 | Polarization optimization of spin-echo small angle scattering instruments. <i>Review of Scientific Instruments</i> , 2008, 79, 015113.   | 0.6 | 13        |
| 65 | Development of the Neutron Reflectometer OffSpec at the Delft University of Technology. <i>Neutron News</i> , 2008, 19, 22-25.   | 0.1 | 7         |
| 66 | Stress, strain, and bulk microstructure in a cohesive powder. <i>Physical Review E</i> , 2008, 77, 051303.   | 0.8 | 11        |
| 67 | Neutron refraction by cylindrical metal wires. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 574, 324-329.  | 0.7 | 11        |
| 68 | Phase-object approximation in small-angle neutron scattering experiments on silicon gratings. <i>Journal of Applied Crystallography</i> , 2007, 40, 151-157.   | 1.9 | 22        |
| 69 | Probing the droplet cluster structure in acidified temperature-cycled o/w emulsion gels by means of SESANS. <i>International Journal of Food Science and Technology</i> , 2007, 42, 746-752.   | 1.3 | 7         |
| 70 | A novel application of neutron scattering on dairy products. <i>Food Hydrocolloids</i> , 2007, 21, 154-158.  | 5.6 | 33        |
| 71 | Effect of processing on droplet cluster structure in emulsion gels. <i>Food Hydrocolloids</i> , 2007, 21, 844-854.   | 5.6 | 16        |
| 72 | Analysis of artificial silicon microstructures by ultra-small-angle and spin-echo small-angle neutron scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 579, 1081-1089. | 0.7 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Spin-echo small-angle neutron scattering for magnetic samples. <i>Journal of Applied Crystallography</i> , 2006, 39, 252-258.  | 1.9 | 15        |
| 74 | Light scattering measurements on microemulsions: Estimation of droplet sizes. <i>International Journal of Pharmaceutics</i> , 2006, 312, 187-195.  | 2.6 | 91        |
| 75 | Three-dimensional magnetic spin-echo small-angle neutron scattering and neutron depolarization: A comparison. <i>Review of Scientific Instruments</i> , 2006, 77, 073902.  | 0.6 | 14        |
| 76 | Application of spin-echo small-angle neutron scattering to study the structure of charged colloids. <i>Physica B: Condensed Matter</i> , 2005, 356, 218-222.   | 1.3 | 10        |
| 77 | Spin-echo methods for SANS and neutron reflectometry. <i>Physica B: Condensed Matter</i> , 2005, 357, 66-72.   | 1.3 | 19        |
| 78 | Structure of hard-sphere colloid observed in real space by spin-echo small-angle neutron scattering. <i>Physica B: Condensed Matter</i> , 2005, 357, 452-455.  | 1.3 | 2         |
| 79 | Neutron and ion beams in biological research. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2005, 264, 271-275.  | 0.7 | 8         |
| 80 | Spin-echo small angle neutron scattering in Delft. <i>Review of Scientific Instruments</i> , 2005, 76, 033901.   | 0.6 | 96        |
| 81 | SESANS with a monochromatic beam or with time-of-flight applied on colloidal systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 529, 16-21. | 0.7 | 10        |
| 82 | Comparison of the performance of SANS and SESANS. <i>Physica B: Condensed Matter</i> , 2004, 350, E787-E790.   | 1.3 | 17        |
| 83 | On the neutron scattering length density of proteins in H <sub>2</sub> O/D <sub>2</sub> O. <i>Physica B: Condensed Matter</i> , 2004, 350, E877-E880.  | 1.3 | 20        |
| 84 | SESANS studies of colloid phase transitions, dairy products and polymer fibres. <i>Physica B: Condensed Matter</i> , 2004, 350, 140-146.   | 1.3 | 28        |
| 85 | Neutron refraction and transmission studied by SESANS. <i>Physica B: Condensed Matter</i> , 2004, 350, E791-E794.  | 1.3 | 2         |
| 86 | A Small-Angle Neutron Scattering Study of Cholic Acid-Based Organogel Systems. <i>Langmuir</i> , 2004, 20, 2075-2080.  | 1.6 | 27        |
| 87 | Magnetic design of a spin-echo small-angle neutron-scattering instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 496, 437-445.           | 0.7 | 5         |
| 88 | Larmor precession applications: magnetised foils as spin flippers in spin-echo SANS with varying wavelength. <i>Physica B: Condensed Matter</i> , 2003, 335, 164-168.  | 1.3 | 17        |
| 89 | Ferromagnetic foils as monochromatic $\lambda$ flippers for application in spin-echo SANS. <i>Physica B: Condensed Matter</i> , 2003, 335, 247-249.  | 1.3 | 15        |
| 90 | Model calculations for the spin-echo small-angle neutron-scattering correlation function. <i>Journal of Applied Crystallography</i> , 2003, 36, 109-116.   | 1.9 | 21        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Real-space interpretation of spin-echo small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , 2003, 36, 117-124.  | 1.9 | 71        |
| 92  | Spin-echo small-angle neutron scattering to study particle aggregates. <i>Journal of Applied Crystallography</i> , 2003, 36, 816-819.  | 1.9 | 16        |
| 93  | Structural transitions of hard-sphere colloids studied by spin-echo small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , 2003, 36, 1417-1423.                                 | 1.9 | 55        |
| 94  | Spin control of the lifetime of an intramolecular charge-transfer excited state. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 995.   | 1.6 | 26        |
| 95  | Magnetized foils as $\pi$ flippers in neutron spin-echo spectrometry. <i>Journal of Applied Physics</i> , 2002, 92, 3354-3362.   | 1.1 | 18        |
| 96  | Elastic Neutron Scattering Measurements Using Larmor Precession of Polarized Neutrons. <i>Lecture Notes in Physics</i> , 2002, , 87-99.  | 0.3 | 24        |
| 97  | High temperature SANS experiments on Nb(C,N) and MnS precipitates in HSLA steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 1883-1891. | 1.1 | 19        |
| 98  | First quantitative test of spin-echo small-angle neutron scattering. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s115-s117.   | 1.1 | 15        |
| 99  | Overview of new Larmor precession techniques. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s323-s325.  | 1.1 | 4         |
| 100 | Spin-echo SANS based on adiabatic HF flippers in dipole magnets with skew poles. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s79-s81.                                     | 1.1 | 8         |
| 101 | SANS experiments on Nb(C, N) and MnS precipitates in HSLA steel. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s978-s980.   | 1.1 | 3         |
| 102 | Magnetised foils as $\pi$ -flippers in spin-echo spectrometry. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s94-s96.   | 1.1 | 4         |
| 103 | Line-integral corrections in Larmor-precession devices. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s174-s176.  | 1.1 | 1         |
| 104 | Technical Aspects of Larmor Precession with Inclined Front and End Faces. <i>Lecture Notes in Physics</i> , 2002, , 100-115.   | 0.3 | 11        |
| 105 | Location of the Outer Shell and Influence of pH on Carboxylic Acid-Functionalized Poly(propyleneimine) Dendrimers. <i>Macromolecules</i> , 2001, 34, 8380-8383.                                      | 2.2 | 39        |
| 106 | Line integral corrections in spin-echo small angle neutron scattering instrument. <i>Physica B: Condensed Matter</i> , 2001, 297, 28-31.   | 1.3 | 7         |
| 107 | Development of spin-echo small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , 2000, 33, 767-770.  | 1.9 | 27        |
| 108 | Spin-echo small-angle neutron scattering calculations. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 126-127.  | 1.3 | 9         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | An analysis of magnetic field inhomogeneities in a spin-echo small-angle neutron scattering instrument. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 136-137.  | 1.3 | 6         |
| 110 | Absolute Orientation of Molecules of Amphiphilic Alcohols in Crystalline Monolayers at the Air-Water Interface. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6843-6850.  | 1.2 | 15        |
| 111 | Spin echo small angle neutron scattering experiment. <i>Physica B: Condensed Matter</i> , 1999, 267-268, 79-83.   | 1.3 | 16        |
| 112 | Two-dimensional crystalline structures and photochemical behavior of cinnamate monolayers on water surfaces. <i>Chirality</i> , 1998, 10, 60-65.  | 1.3 | 11        |
| 113 | Detailed Structure of Molecularly Thin Polyelectrolyte Multilayer Films on Solid Substrates as Revealed by Neutron Reflectometry. <i>Macromolecules</i> , 1998, 31, 8893-8906.  | 2.2 | 555       |
| 114 | Structural Characterization of Valinomycin and Nonactin at the Air-Solution Interface by Grazing Incidence X-ray Diffraction. <i>Journal of the American Chemical Society</i> , 1997, 119, 11211-11216.                                     | 6.6 | 20        |
| 115 | An Insight into the Ice Nucleation Process via Design of Crystalline Ice Nucleators of Variable Size. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8874-8877.  | 1.2 | 14        |
| 116 | Separation of Enantiomers and Racemate Formation in Two-Dimensional Crystals at the Water Surface from Racemic $\pm$ -Amino Acid Amphiphiles: A Design and Structure. <i>Journal of the American Chemical Society</i> , 1997, 119, 933-942. | 6.6 | 109       |
| 117 | Two-axis neutron and x-ray reflectivity: How to avoid alignment pitfalls and how to correct for them. <i>Journal of Neutron Research</i> , 1997, 5, 133-146.  | 0.4 | 3         |
| 118 | Crystalline Mono- and Multilayer Self-Assemblies of Oligothiophenes at the Air-Water Interface. <i>Chemistry - A European Journal</i> , 1997, 3, 930-939.   | 1.7 | 15        |
| 119 | Self-Aggregated Two-Dimensional Crystal Structure of the Mixed Monolayer of Triacontanoic Acid and Nonacosylamine. Evidence in Favor of an Ordered Arrangement of Ionized Head Groups. <i>Langmuir</i> , 1996, 12, 1011-1017.               | 1.6 | 6         |
| 120 | Formation of Chiral Interdigitated Multilayers at the Air-Liquid Interface Through Acid-Base Interactions. <i>Science</i> , 1996, 274, 2046-2049.   | 6.0 | 34        |
| 121 | Head-group variations and monolayer structures of diol derivatives. , 1996, , 351-355.  |     | 3         |
| 122 | Resolution Function for Two-Axis Specular Neutron Reflectivity. <i>Journal of Applied Crystallography</i> , 1996, 29, 152-158.  | 1.9 | 13        |
| 123 | Chirality effects on 2D phase transitions. <i>Thin Solid Films</i> , 1996, 284-285, 56-61.  | 0.8 | 22        |
| 124 | Monolayer behaviour of chiral compounds at the air-water interface: 4-hexadecyloxy-butane-1,2-diol. <i>Thin Solid Films</i> , 1996, 284-285, 211-215.   | 0.8 | 34        |
| 125 | Chiral and herringbone symmetry breaking in water-surface monolayers. <i>Physical Review E</i> , 1996, 53, 667-673.   | 0.8 | 24        |
| 126 | Elucidation of Multilayer Growth of Amphiphiles on Liquid Surfaces. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8356-8362.  | 2.9 | 9         |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 127 | Self-assembled crystalline monolayers and multilayers of n-alkanes on the water surface. <i>Advanced Materials</i> , 1995, 7, 857-862.   | 11.1 | 53        |
| 128 | Strukturbestimmung im Grenzbereich zwischen Monoschichten und dreidimensionalen Kristallen; eine Untersuchung nanokristalliner Aggregate von 1,3-Docosandiol an der Grenzfläche Wasser/Luft mit Röntgenbeugung unter streifendem Einfall. <i>Angewandte Chemie</i> , 1995, 107, 707-711.     | 1.6  | 5         |
| 129 | The Structural Properties of Uncompressed Crystalline Monolayers of Alcohols $C_nH_{2n+1}OH$ ( $n = 13-31$ ) on Water and Their Role as Ice Nucleators. <i>Chemistry - A European Journal</i> , 1995, 1, 304-311.  | 1.7  | 84        |
| 130 | Structure Determination in the Twilight Region Between Monolayers and 3-D Crystals; a Grazing Incidence X-Ray Diffraction Study of Nanocrystalline Aggregates of 1,3-Docosanediol at the Air/Water Interface. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 649-652. | 4.4  | 31        |
| 131 | Influence of ether linkages on the structure of double-chain phospholipid monolayers. <i>Chemistry and Physics of Lipids</i> , 1995, 76, 145-157.  | 1.5  | 154       |
| 132 | X-ray study of the backbone conformation of a comb-shaped polyacrylate with nematic to smectic A phase transitions. <i>Liquid Crystals</i> , 1994, 16, 853-856.  | 0.9  | 5         |
| 133 | Separation of enantiomers in a diol monolayer studied by fluorescence microscopy and grazing incidence X-ray diffraction. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 1487-1492.              | 0.4  | 18        |
| 134 | Influence of a hydrophilic spacer on the structure of a phospholipid monolayer. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 1545-1550.  | 0.4  | 9         |
| 135 | Control of Structure and Growth of Polymorphic Crystalline Thin Films of Amphiphilic Molecules on Liquid Surfaces. <i>Science</i> , 1994, 264, 1566-1570.  | 6.0  | 31        |
| 136 | 3DXYbehavior of a nematic-smectic-A phase transition: Confirmation of the de Gennes model. <i>Physical Review Letters</i> , 1992, 68, 800-803.   | 2.9  | 27        |
| 137 | Fluorescence of gaseous tetraenes and pentaenes. <i>The Journal of Physical Chemistry</i> , 1990, 94, 7429-7434.   | 2.9  | 71        |
| 138 | Laser-induced fluorescence of jet-cooled 7-diethylamino-4-trifluoromethyl coumarin. <i>Chemical Physics Letters</i> , 1988, 145, 71-74.  | 1.2  | 6         |
| 139 | Laser-induced fluorescence spectroscopy of 4-aminobenzonitrile, 4-(N,N-dimethylamino)benzonitrile, and their van der Waals complexes in a supersonic jet. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5449-5455.  | 2.9  | 71        |