Jeremy J. Ramsden

Principal scientific publications (refereed)¹

1. Duonghong, D., Ramsden, J.J. and Graetzel, M.
Dynamics of interfacial electron transfer processes in colloidal semiconductor systems.

2. Ramsden, J.J.
The photolysis of small silver halide particles.

3. Ramsden, J.J. and Graetzel, M.
The photoluminescence of small CdS particles.

4. Ramsden, J.J., Webber, S.E. and Graetzel, M.
Luminescence of colloidal CdS particles in acetonitrile and acetonitrile/water mixtures.

5. Ramsden, J.J.
The nucleation and growth of small CdS aggregates by chemical reaction.

Photophysical and photochemical primary events in semiconductor particulate systems.

7. Ramsden, J.J.
Computing photographic response curves.

8. Ramsden, J.J. and Graetzel, M.
Formation and decay of methyl viologen radical cation dimers on the surface of colloidal CdS.

¹ That is, excluding abstracts, conference proceedings, editorials, book reviews, “news & views” articles, etc., unless refereed. Many papers in conference proceedings were refereed, and are included if they were subsequently published in a journal special issue, but not usually otherwise because of the relative difficulty of retrieving them.
9. Ramsden, J.J.
Electronic processes in small semiconductor particles.

10. Ramsden, J.J.
Luminescence from very small semiconductor particles-high excitation effects.

11. Ramsden, J.J.
The stability of superspheres.

12. Ramsden, J.J.
Electron diffraction anomalies in small CdS clusters.

Electron transfer at the semiconductor-protein interface.

Photocurrent transients from the semiconductor-protein interface.

15. Ramsden, J.J. and Spiro, T.G.
Resonance Raman evidence that distal histidine protonation removes the steric hindrance to upright binding of carbon monoxide by myoglobin.

16. Ramsden, J.J.
Impedance of pore-containing membranes.

17. Ramsden, J.J. and Tóth-Boconádi, R.
Pulsed photoelectrochemistry of titanium dioxide.

18. Ramsden, J.J.
Observation of anomalous diffusion of proteins near surfaces.

19. Ramsden, J.J.
Membran-beschichtete Wellenleiter zur Bestimmung von Drogen.
20. Ramsden, J.J. and Schneider, P.
Membrane insertion and antibody recognition of a glycosyl-phosphatidylinositol-anchored protein: an optical study.

21. Ramsden, J.J.
Calcium-dependence of laminin binding to phospholipid membranes.

22. Ramsden, J.J.
Partial molar volume of solutes in bilayer lipid membranes.

23. Ramsden, J.J.

24. Ramsden, J.J.
Integrierte Optik in der Chemie.

25. Ramsden, J.J.
Concentration scaling of protein deposition kinetics.

26. Ramsden, J.J.
Partition coefficients of drugs in bilayer lipid membranes.

27. Ramsden, J.J.
Review of new experimental methods for investigating random sequential adsorption.

Covalent binding of biological samples to solid supports for scanning probe microscopy in buffer solution.

29. Kurrat, R., Ramsden, J.J. and Prenosil, J.E.
Kinetic model for serum albumin adsorption: experimental verification.
30. Ramsden, J.J.
Experimental methods for investigating protein adsorption kinetics at surfaces.

31. Ramsden, J.J., Li, S.-Y., Heinzle, E. and Prenosil, J.E.
Kinetics of adhesion and spreading of animal cells.

32. Ramsden, J.J. and Prenosil, J.E.
The effect of ionic strength on protein adsorption kinetics.

33. Saini, S., Kurrat, R., Prenosil, J.E. and Ramsden, J.J.
Temperature dependence of pyrolyzed sol-gel planar waveguide parameters.

34. Ramsden, J.J.
Porosity of pyrolyzed sol-gel waveguides.

35. Li, S.-Y., Ramsden, J.J., Prenosil, J.E. and Heinzle, E.
Measurement of adhesion and spreading kinetics of baby hamster kidney and hybridoma
cells using an integrated optical method.
Biotechnology Prog. 10 (1994) 520–524.

Kinetic evidence for protein clustering at a surface.

Optical and X-ray structural monitoring of molecular films assembled via alternate polyion
adsorption.
Thin solid Films 254 (1995) 246–251

38. Ramsden, J.J., Li, S.-Y., Heinzle, E. and Prenosil, J.E.
An optical method for the measurement of number and shape of attached cells in real time.

39. Vergères, G., Ramsden, J.J. and Waskell, L.
The carboxyl terminus of the membrane-binding domain of cytochrome b5 spans the bilayer
of the endoplasmic reticulum.
40. Ramsden, J.J. and Wright, C.S.
The interaction between wheat germ agglutinin and membrane incorporated glycophorin A.
An optical binding study.

41. Ramsden, J.J.
Puzzles and paradoxes in protein adsorption.

42. Ramsden, J.J., Roush, D.J., Gill, D.S., Kurrat, R.G. and Willson R.C.
Protein adsorption kinetics drastically altered by repositioning a single charge.

43. Meier, W. and Ramsden, J.J.
Surface pressure determines the interaction between poly(oxyethylene) and a surfactant bilayer.

44. Ramsden, J.J., Bachmanova, G.I. and Archakov, A.I.
Immobilization of proteins to lipid bilayers.

45. Ramsden, J.J.
A dosimeter for oligopeptide hormones.

46. Ramsden, J.J. and Dreier, J.
Kinetics of the interaction between DNA and the type IC restriction enzyme EcoR124/3I.

47. Ramsden, J.J. and Karrasch, S.
Activated Langmuir-Blodgett films for immobilizing proteins on planar surfaces.

Waveguide Raman spectroscopy of Si(Ti)O2 thin films with grating coupling.

49. Kurrat, R., Prenosil, J.E. and Ramsden, J.J.
Kinetics of human and bovine serum albumin adsorption at silica-titania surfaces.
50. Luthi, P.O., Ramsden, J.J. and Chopard, B.  
The role of diffusion in irreversible deposition.  

51. Ramsden, J.J.  
Dynamics of protein adsorption at the solid/liquid interface.  

52. Ball, V. and Ramsden, J.J.  
Absence of surface exclusion in the first stage of lysozyme adsorption is driven through electrostatic self-assembly.  

53. Kurrat, R., Textor, M., Ramsden, J.J., Böni, P. and Spencer, N.D.  
Instrumental improvements in optical waveguide lightmode spectroscopy for the study of biomolecule adsorption.  

Adsorption of ruthenadendrimers to silica-titania surfaces studied by optical waveguide lightmode spectroscopy (OWLS).  

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58. Ball, V. and Ramsden, J.J.  
Influence of D(−) and L(+) tartaric acid on lysozyme adsorption onto a Si(Ti)O2 surface.  

59. Vergères, G. and Ramsden, J.J.  
Binding of MARCKS-related protein (MRP) to vesicular phospholipid membranes.  
60. Csúcs, G. and Ramsden, J.J.
Interaction of phospholipid vesicles with smooth metal oxide surfaces.

61. Csúcs, G. and Ramsden, J.J.
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62. Ramsden, J.J. and Máté, M.
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63. Brynda, E., Houska, M., Skvor, J. and Ramsden, J.J.
Immobilization of multilayer bioreceptor assemblies on solid substrates.

64. Luthi, P.O., Preiss, A., Chopard, B. and Ramsden, J.J.
A cellular automaton model for neurogenesis in Drosophila.

65. Csúcs, G. and Ramsden, J.J.
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68. Ramsden, J.J.
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In: Biopolymers at Interfaces (ed. M. Malmsten), Ch. 10 (pp. 321–361).

69. Máté, M. and Ramsden, J.J.
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70. Máté, M. and Ramsden, J.J.
Addition of particles of alternating charge.
71. Ramsden, J.J.
Towards zero-perturbation methods for investigating biomolecular interactions.

72. Ramsden, J.J.
Biomimetic protein immobilization using lipid bilayers.

73. Michielin, O., Ramsden, J.J. and Vergères, G.
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74. Ramsden, J.J. Biospecific interaction analysis using integrated optics techniques.

75. Ramsden, J.J. and Vohradský, J.
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76. Ball, V. and Ramsden, J.J.
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77. Van Tassel, P.R., Guemouri, L., Ramsden, J.J., Tarjus, G., Viot, P. and Talbot, J.
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A sum parameter sensor for water quality.

82. Ramsden, J.J.
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Myristoylation-induced compaction of a membrane-binding protein.

84. Ball, V., Lustig, A. and Ramsden, J.J.
Lag phases in the adsorption of lysozyme to Si(Ti)O2 surfaces in the presence of sodium thiocyanate. Part I. Phenomenology.

85. Nemes, Cs., Rozlosnik, N. and Ramsden, J.J.
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On protein-lipid membrane interactions.

87. Ramsden, J.J. and Vergères, G.
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88. Van Tassel, P.R., Viot, P., Tarjus, G., Ramsden, J.J. and Talbot, J.
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90. Ramsden, J.J. and Kiss-Haypál, Gy.
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MARCKS—a case of molecular exaptation?

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93. Vergères, G. and Ramsden, J.J.
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96. Calonder, C., Talbot, J. and Ramsden, J.J.
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103. Fernández, A. and Ramsden, J.J.
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123. Ramsden, J. J. and Yeh, Y.-P.
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124. Ramsden, J.J.
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125. Ramsden, J.J.
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126. Wakamoto, Y., Ramsden, J.J. and Yasuda, K.
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