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
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Optical and X-ray structural monitoring of molecular films assembled via alternate polyion
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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.
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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.

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A dosimeter for oligopeptide hormones.

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49. Kurrat, R., Prenosil, J.E. and Ramsden, J.J.
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51. Ramsden, J.J.  
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Absence of surface exclusion in the first stage of lysozyme adsorption is driven through  
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59. Vergères, G. and Ramsden, J.J.  
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Kinetics of monolayer particle deposition.

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In: Biopolymers at Interfaces (ed. M. Malmsten), Ch. 10 (pp. 321–361).

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72. Ramsden, J.J.
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such catalysis for CO\textsubscript{2} capture by mineralization from aqueous solution – Response to letter.
Published (or accepted for publication) Refereed Research Papers: Papers with over 100 citations (Web of Science). Anisotropic Oscillatory Indirect Interaction Between Adatom Pairs on a Tight-Binding Solid, TLE and J. R. Schrieffer, abst., J. Vac. Sci. Elsevier reprint indicates a graciously-provided pdf reprint, copyright the year of publication, with permission from Elsevier Science. (This graciousness extends back only to 1995.) "Single copies of the article can only be downloaded and printed for the reader's personal research and study." The article is written for young researchers, who constantly face many problems with Manuscript writing due to unknowing or ignoring of main rules of good preparation of scientific publication. All sections of this methodological paper are mostly based on Harvard Medical School's lectures for participants of the on-line Course Principle and Practice of Clinical Research. Content of the article has been guided by IMRAD a modern algorithm for relevant placing of all information to be included in the publication Introduction, Methods, Results, Assessment, Discussion, including tips on writing refereed publications. The aim of the Bank of Finland's research activities is to meet the academic quality criteria set for high-level research. Therefore, the Bank aims to have the results of these research projects published in internationally recognised journals in which quality is guaranteed by peer review. Selected publications. All Bank of Finland refereed publications.