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.

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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.
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40. Ramsden, J.J. and Wright, C.S.
The interaction between wheat germ agglutinin and membrane incorporated glycophorin A.
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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.
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44. Ramsden, J.J., Bachmanova, G.I. and Archakov, A.I.
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