

List of Publications of Prof. Baruch Minke (2010)

1. **Minke, B.** Ph.D thesis: Electrophysiological studies of the transduction process in photoreceptors, (1973).
2. **Minke, B.**, and E. Auerbach. Latencies and Correlation in Single Units and Visual Evoked Potentials in the Cat Striate Cortex following Monocular and Binocular Stimulations. **Exp. Brain Res.** 14, 409-422, (1972).
3. Hillman, P., S. Hochstein and **B. Minke.** A visual pigment with two physiologically active stable states. **Science** 175: 1486-1488, (1972).
4. Hochstein, S., **B. Minke** and P. Hillman. Receptor potential from a visual pigment with two thermally stable states, p. 65-73. In: G.B. Arden (ed.) **The Visual System: Neurophysiology, Biophysics, and Their Clinical Applications.** Plenum Press, New York, (1972).
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7. **Minke, B.**, S. Hochstein and P. Hillman. Photoreceptor transduction - A new system. **Israel Journal of Medical Sciences** 9:114-118, (1973).
8. **Minke, B.**, S. Hochstein and P. Hillman. Antagonistic process as source of visible-light suppression of afterpotential in *Limulus* UV photoreceptors. **J. Gen. Physiol.** 62:787-791, (1973).
9. Hillman, P., F.A. Dodge, Jr., S. Hochstein, B. Knight and **B. Minke.** The rapid dark recovery of the invertebrate early receptor potential. **J. Gen. Physiol.** 62:77-86, (1973).
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11. **Minke, B.**, C.-F. Wu and W.L. Pak. Isolation of light-induced response of the central retinula cells from the electroretinogram of *Drosophila*. **J. Comp. Physiol.** 98:345-355, (1975).
12. **Minke, B.**, C-F, Wu, and W.L. Pak. Induction of photoreceptor voltage noise in the dark in *Drosophila* mutant. **Nature** 258:84-87, (1975).
13. Hillman, P.S. Hochstein, and **B. Minke.** Non-local interaction in the photoreceptor transduction process. **J. Gen. Physiol.** 68:227-245, (1976).

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14. **Minke, B.** *Drosophila* mutant with a transducer defect. **Biophys. Struct. Mech.** 3:59-64, (1977).
15. Kirschfeld, K., N. Franceschini and **B. Minke.** Evidence for a sensitizing pigment in fly photoreceptors. **Nature (article)** 269:386-390, (1977) (News & Views).
16. **Minke, B.** and K. Kirschfeld. Microspectrophotometric evidence for two photo-interconvertible states of the visual pigment in the barnacle lateral eye. **J. Gen. Physiol.** 71:37-45, (1978).
17. Kirschfeld, K., R. Feiler and **B. Minke.** The kinetics of formation of metarhodopsin in intact photoreceptors of the fly. **Naturforsch.** 33c:1009-1010, (1978).
18. Hochstein, S., **B. Minke,** P. Hillman and B. Knight. The kinetics of visual pigment system: I. Mathematical analysis. **Biol. Cybernetics** 30:23-32, (1978).
19. **Minke, B.,** S. Hochstein and P. Hillman. The kinetics of visual pigment system: II. Application to measurements on a bi-stable system. **Biol. Cybernetics** 30:33-43, (1978).
20. **Minke, B.** Transduction in photoreceptors with bi-stable pigments: Intermediate processes. **Biophys. Struct. Mech.** 5:163-174, (1979).
21. **Minke, B.** and K. Kirschfeld. The contribution of a sensitizing pigment to the photosensitivity spectra of fly rhodopsin and metarhodopsin. **J. Gen. Physiol.** 73:517-540 (1979).
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39. Selinger, A., O. Devary, A. Blumenfeld, O. Heichal, S. Barash and **B. Minke**. Light-dependent phospholipase C activity in *Musca* eye membranes and excitation of photoreceptor cells by inositol triphosphate and 2,3 diphosphoglycerate. In: Proc. of the Second Int. Symp. On **Cellular Endocrinology**. M.C. Cabot ed. A.R. Liss Publisher (1987) pp. 169-178.
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