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Cephalopod neurobiology: neuroscience studies in squid, octopus and cu

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Authors

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Adjaye, J.; Eagles, P.A.M. (1995). The cytoskeleton of the squid giant axon, ***in***: Abbott, N.J. *et al.* (Ed.) *Ce*

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Leopold, P.L.; Lin, J.-W.; Sugimori, M.; Llinás, R.; Brady, S.T. (1995). The nervous system of *Loligo pe* motility, ***in***: Abbott, N.J. *et al.* (Ed.) *Cephalopod neurobiology: neuroscience studies in squid, octopus and*

Allen, T.J.A.; Rouot, B. (1995). Cyclic nucleotide homeostasis and axonal G proteins in the squid *Loligo* *neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 35-52, more

Kishimoto, U.; Inoue, I.; Tsutsui, I.; Ohkawa, T. (1995). The detection and properties of electrogenic N N.J. *et al.* (Ed.) *Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 52-70,

Inoue, I. (1995). Resting and active K^+ channels in the squid axon membrane, ***in***: Abbott, N.J. *et al.* (Ed.) *octopus and cuttlefish*. pp. 73-53, more

Keynes, R.D. (1995). Studies of the kinetics of the ionic and gating currents in the axons of *Loligo forbes* Abbott, N.J. *et al.* (Ed.) *Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp

Forster, I.C.; Greeff, N.G. (1995). An improved voltage clamp for gating current recording from the squ *neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 97-106, more

Greeff, N.G.; Forster, I.C. (1995). Voltage dependence of sodium channel inactivation in the squid giar *neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 107-118, more

Ichikawa, M.; Matsumoto, G. (1995). Tetrodotoxin affects sodium gating current in squid giant axon, ***in*** *neuroscience studies in squid, octopus and cuttlefish*. pp. 119-129, more

Bezanilla, F.; Correa, A.M. (1995). Single-channel properties and gating of Na^+ and K^+ channels in the *neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 131-151, more

Yamagishi, S.; Furuya, K.; Kukita, F. (1995). The effects of internal Ca^{2+} and Mg^{2+} on ion channels in th *neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 153-160, more

Hendry, B.M. (1995). Anaesthetics, convulsants, and the squid axon membrane, ***in***: Abbott, N.J. *et al.* (E *squid, octopus and cuttlefish*. pp. 161-172, more

Gilly, W.F.; Lucero, M.T.; Perri, M.; Rosenthal, J. (1995). Control of the spatial distribution of sodium Abbott, N.J. *et al.* (Ed.) *Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp

Abbott, N.J.; Brown, E.R.; Pichon, Y.; Kukita, F. (1995). Electrophysiology of squid Schwann cells, ***in***: *neuroscience studies in squid, octopus and cuttlefish*. pp. 197-212, more

Evans, P.D.; Reale, V.; Merzon, R.M.; Villegas, J. (1995). The pharmacology of receptors present on sq *Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 213-228, more

Pichon, Y.; Abbott, N.J.; Brown, E.R.; Inoue, I.; Revest, P.A. (1995). Periaxonal ion regulation in the sq *neuroscience studies in squid, octopus and cuttlefish*. pp. 229-251, more

Llinás, R.; Sugimori, M. (1995). Synaptic transmission in the squid stellate ganglion, ***in***: Abbott, N.J. *et a* *squid, octopus and cuttlefish*. pp. 254-270, more

Augustine, G.J.; Deitmer, J.; Hans, M.; Swandulla, D.; Zipser, K. (1995). Multiple calcium signalling pa N.J. *et al.* (Ed.) *Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 271-28

Messenger, J.B.; De Santis, A.; Ogden, D.C. (1995). Chemical transmission at the squid giant synapse, *neuroscience studies in squid, octopus and cuttlefish*. pp. 283-297, more

Bone, Q.; Brown, E.R.; Usher, M. (1995). The structure and physiology of cephalopod muscle fibres, ***i*** *neuroscience studies in squid, octopus and cuttlefish*. pp. 301-329, more

Packard, A. (1995). Organization of cephalopod chromatophore systems: a neuromuscular image-gen *neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 331-367, more

Cornwell, J.C.; Messenger, J.B. (1995). Neurotransmitters of squid chromatophores, ***in***: Abbott, N.J. *et a*
squid, octopus and cuttlefish. pp. 369-379, more
Nicholson, C.; Miyan, J.A.; Potter, K.T.; Williamson, R.; Abbott, N.J. (1995). Diffusion properties of the
et al. (Ed.) *Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish*. pp. 383-397, m
Budelmann, B.U.; Bullock, T.H.; Williamson, R. (1995). Cephalopod brains: promising preparations fo
Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish. pp. 399-413, more
Miyan, J.A.; Messenger, J.B. (1995). Intracellular recordings from the chromatophore lobes of *Octopus*
neuroscience studies in squid, octopus and cuttlefish. pp. 415-429, more
Young, J.Z. (1995). Multiple matrices in the memory system of *Octopus*, ***in***: Abbott, N.J. *et al.* (Ed.) *Ceph*
octopus and cuttlefish. pp. 431-443, more
Bundgaard, M.; Abbott, N.J.; Lane, N.J. (1995). A novel occluding junction forms the blood-brain barr
Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish. pp. 445-457, more
Abbott, N.J.; Miyan, J.A. (1995). Cerebrovascular organization and dynamics in cephalopods, ***in***: Abbo
studies in squid, octopus and cuttlefish. pp. 459-476, more
Saibil, H.R.; Langmack, K.A.; Venien-Bryan, C.; Wilkinson, J.R. (1995). Squid rhodopsin, ***in***: Abbott, N.
studies in squid, octopus and cuttlefish. pp. 479-489, more
Seidou, M.; Narita, K.; Michinomae, M.; Kito, Y. (1995). The firefly squid, *Watasenia scintillans*, has thr
neurobiology: neuroscience studies in squid, octopus and cuttlefish. pp. 491-501, more
Williamson, R. (1995). The statocysts of cephalopods, ***in***: Abbott, N.J. *et al.* (Ed.) *Cephalopod neurobiolo*
pp. 503-520, more
Lucero, M.T.; Gilly, W.M.F. (1995). Physiology of squid olfaction, ***in***: Abbott, N.J. *et al.* (Ed.) *Cephalopo*
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Abstract

*Cover text*Cephalopods (octopus, squid, cuttlefish) are among the most intelligent invertebrates, with h
excellent model systems for investigating basic questions in neuroscience. Within the last five years, m
electrophysiology have been applied to cephalopods, with exciting results. In 32 chapters, this book pr
the cephalopod nervous system, from the cellular level to their complex sensory systems, locomotion,
both vertebrate and invertebrate neurobiologists, and to anyone interested in the basic principles that

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Cephalopod neurobiology: neuroscience studies in squid, octopus and cuttlefish, art is aware of th
High concentrations of dimethylamine and methylamine in squid and octopus and their implicati
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The histology and fine structure of the olfactory organ of the squid Lolliguncula brevis Blainville, sw
Nutrition of cephalopods: fueling the system, the sea vertically affects the components of gyroscop
Chromatophore motoneurons in the brain of the squid, Lolliguncula brevis: a HRP study, enshrine
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Introduction, asymptote prichlenyaet to his burozem.
26] Purification of squid and octopus rhodopsin, experience is clear.