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Nota di contenuto	K ⁺ channels : a survey and a case study of K _{ch} of Escherichia coli / Mario Meng-Chiang Kuo, Ching Kung, and Yoshiro Saimi -- The Ktn domain and its role as a channel and transporter regulator / Ian R. Booth [and others] -- Deciphering Streptomyces lividans KcsA as a K channel model / Hildgund Schrempf -- The molecular basis of K ⁺ channel gating / Christopher P. Ptak, Yi-Shiuan Liu, and Eduardo Perozo -- Glutamate-activated channels / Indira H. Shrivastava and H. Robert Guy -- Voltage-gated K ⁺ channels / H. Robert Guy and Indira H. Shrivastava -- Inward rectifier K ⁺ channels / Indira H. Shrivastava and H. Robert Guy. From prokaryotes to eukaryotes : molecular modeling and simulation studies of ion channels / Philip C. Biggin, Alessandro Grottesi, and Mark S.P. Sansom -- Towards an understanding of membrane channels / Emad Tajkhorshid [and others] -- Bacterial Na channels : progenitors, progeny, or parallel evolution? / Evgeny Pavlov [and others] -- The CLC family of proteins : chloride transporters and channels / Heather R. Rickard [and others] -- The bacterial mechanosensitive channel MscS and its extended family / Paul Blount [and others] -- MscL, a bacterial mechanosensitive channel / Sergei Sukharev [and others] -- The role of bacterial channels in cell physiology / Ian R. Booth [and others].