Notizen

1 Abstract

- overview over conventional biosensors
- possibilities, challenges of the new idea
- how the idea works

2 multiple biochemical coupling of signal processing with chemical actuators

- prospects
- fundamental and practical challenges
 - attention to composition, preparation and immobilization of the biocomputing surface layer
 - sucess depends in part on immobilization of the biocomputing reagent layer
 - system scalability
 - efficient transduction of the output signals
- \bullet high fidelity

3 common biosensing devices

• based on single input (analyte)