

### **A new strategy for the preparation of maleimide-functionalised gold surfaces**

Zhang, Xin; Sun, Guoguang; Hovestädt, Marc; **Sõrtski, Vitali**; Esser, Norbert; Volkmer, Rudolf; Janietz, Silvia; Rappich, Jörg;

Hinrichs, Karsten Electrochemistry communications 2010 / 10, p. 1403-1406 : ill

<https://www.sciencedirect.com/science/article/pii/S1388248110003395>

### **Electrochemical deposition of thin polypyrrole films on silicon substrates**

Intelmann, Carl Matthias; **Sõrtski, Vitali**; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg 5th ISE Spring Meeting : Dublin (Ireland), 01.-04.05.07 2007 / ? p

### **Electrochemical functionalization of gold and silicon surfaces by a maleimide group as a biosensor for immunological application**

Zhang, Xin; **Tretjakov, Aleksei**; Hovestädt, Marc; Sun, Guoguang; **Sõrtski, Vitali**; **Reut, Jekaterina**; Volkmer, Rudolf; Hinrichs, Karsten; Rappich, Jörg Acta biomaterialia 2013 / p. 5838-5844 : ill

### **Electrochemically deposited ultrathin polypyrrole films on silicon**

Intelmann, Carl Matthias; **Sõrtski, Vitali**; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg GDCh (German Chemical Society) - YoungChemists : Spring Symposium 2007 : Chemnitz (Germany), 22.-24.03.07 2007 / ? p

### **Investigation of the silicon/polypyrrole interface by pulsed photoluminescence and IR spectroscopic ellipsometry during electrochemical deposition**

Zhang, Xin; **Sõrtski, Vitali**; Sun, Guoguang; Hinrichs, Karsten; Rappich, Jörg Polymers for advanced technologies 2013 / p. 171

### **Maleimide functionalized silicon surfaces for biosensing investigated by in-situ IRSE and EQCM**

Kanyong, Prosper; Sun, Guoguang; Rösicke, Felix; **Sõrtski, Vitali**; Panne, Ulrich; Hinrichs, Karsten; Rappich, Jörg Electrochemistry communications 2015 / p. 103-107 : ill <http://dx.doi.org/10.1016/j.elecom.2014.12.015>

### **Molecularly imprinted co-polymer for class-selective electrochemical detection of macrolide antibiotics in aqueous media**

Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; **Reut, Jekaterina**; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; **Sõrtski, Vitali** Sensors and actuators B : chemical 2023 / art. 132768, 9 p. : ill <https://doi.org/10.1016/j.snb.2022.132768>

### **Molecularly imprinted polymer integrated with a Surface Acoustic Wave technique for detection of sulfamethizole**

Ayankojo, Akinrinade George; Tretjakov, Aleksei; **Reut, Jekaterina**; Boroznjak, Roman; Öpik, Andres; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; **Sõrtski, Vitali** Analytical chemistry 2016 / p. 1476-1484 : ill

<http://dx.doi.org/10.1021/acs.analchem.5b04735>

### **Molecularly imprinted polymer-based electrochemical sensor for the detection of azoxystrobin in aqueous media**

Nguyen, Vu Bao Chau; **Reut, Jekaterina**; Rappich, Jörg; Hinrichs, Karsten; **Sõrtski, Vitali** Polymers 2024 / art. 1394

<https://doi.org/10.3390/polym16101394>

### **Molecularly imprinted poly(m-phenylenediamine) films as a sensing layer for antibiotic detection**

Tretjakov, Aleksei; **Sõrtski, Vitali**; **Reut, Jekaterina**; Zhang, Y.; Öpik, Andres; Hinrichs, Karsten; Rappich, Jörg Baltic Polymer Symposium 2013 : Trakai, Lithuania, September 18-21, 2013 : programme [and abstracts] 2013 / p. 41

### **Poly(m-phenylenediamine) thin films molecularly imprinted with antibiotics as a recognition material for biosensor application**

**Sõrtski, Vitali**; **Reut, Jekaterina**; **Tretjakov, Aleksei**; Öpik, Andres; Hinrichs, Karsten; Rappich, Jörg Polymers for advanced technologies 2013 / p. 153

### **Recombination behaviour at the ultra-thin polypyrrole film**

Intelmann, Carl Matthias; Hinrichs, Karsten; **Sõrtski, Vitali**; Yang, Florent; Rappich, Jörg EM-Nano 2007 International Symposium on Organic and Inorganic Electronic Materials and Related Nanotechnologies : Nagano (Japan), 19.-22.06.2007 2007

### **Recombination behaviour at the ultra-thin polypyrrole film/silicon interface investigated by in-situ pulsed photoluminescence**

Intelmann, Carl Matthias; Hinrichs, Karsten; **Sõrtski, Vitali**; Yang, Florent; Rappich, Jörg Japanese journal of applied physics 2008 / 2, p. 554-557

### **Ultrathin polypyrrole films on silicon substrates**

Intelmann, Carl Matthias; **Sõrtski, Vitali**; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg Electrochimica acta 2008 / 11, p. 4046-4050 : ill