Antibiotic-imprinted polymer films prepared by electrochemical approach : towards the development of a label-free chemical sensor
Ayankojo, Akinrinade George; **Sõritski, Vitali**; **Tretjakov, Aleksei**; **Reut, Jekaterina**; **Öpik, Andres** Baltic Polymer Symposium 2014 : programme and abstracts : Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 38

Biotundlikud süsteemid molekulaarselt jäljendatud elektrit juhtivatest polümeeridest
Öpik, Andres; **Reut, Jekaterina**; **Sõritski, Vitali**; **Tretjakov, Aleksei** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 40-44 : ill

A computational approach to study functional monomer/protein molecular interactions to optimize protein molecular imprinting
Borozņjak, Roman; **Reut, Jekaterina**; **Tretjakov, Aleksei**; **Lomaka, Andre**; **Öpik, Andres**; **Sõritski, Vitali** Journal of molecular recognition 2017 / art. e2635, p. 1-9 : ill https://doi.org/10.1002/jmr.2635

Development of a biosensor foe label-free detection of proteins combining the surface acoustic wave platform and molecularly imprinted polymers
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Baltic Polymer Symposium 2014 : programme and abstracts : Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 46

Development of a biosensor for label-free detection of proteins combining the surface acoustic wave platform and molecularly imprinted polymers
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Proceedings of The 8th International Conference on Molecular Imprinting (MIP2014). Session 8 2014 / p. P-007

Development of a strategy for preparation of protein surface imprinted electrosynthesized conducting polymer thin films
Kaev, Jevgeni; **Tretjakov, Aleksei**; **Reut, Jekaterina**; **Sõritski, Vitali**; Gyurcsanyi, Robert E.; **Öpik, Andres** Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 138

Development of a surface imprinting strategy based on a covalently immobilized protein
Borozņjak, Roman; **Tretjakov, Aleksei**; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Baltic Polymer Symposium 2013 : Trakai, Lithuania, September 18-21, 2013 : programme [and abstracts] 2013 / p. 126

Development of antibiotic-imprinted polymer films on the dextran-modified gold surfaces
Tretjakov, Aleksei; **Sõritski, Vitali**; **Ayankojo, Akinrinade George**; **Reut, Jekaterina**; **Öpik, Andres** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

The development of surface impronted thin films for immunoglobulin G molecular recognition
Borozņjak, Roman; **Tretjakov, Aleksei**; **Reut, Jekaterina**; **Sõritski, Vitali**; **Öpik, Andres** MIP 2012 : 7th International Conference on Molecularly Imprinted Polymers Science and Technology : book of abstracts 2012 / p. 205

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; **Sõritski, Vitali**; **Reut, Jekaterina**; Volkmer, Rudolf; Hinrichs, Karsten; Rappich, Jörg Acta biomaterialia 2013 / p. 5838-5844 : ill

Electrosymtehsized molecularly imprinted polymer thin films for antibiotics detection in aqeous solutions
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Zhang, Y.**; **Öpik, Andres** Graduate Student Symposium on Molecular Imprinting 2013 : symposium programme and book of abstracts 2013 / p. 35

Electrosynthesized molecularly imprinted polymer films for surface acoustic wave detection of antibiotics
Sõritski, Vitali; **Tretjakov, Aleksei**; **Ayankojo, Akinrinade George**; **Reut, Jekaterina**; **Öpik, Andres** Proceedings of The 8th International Conference on Molecular Imprinting (MIP2014). Session 8 2014 / p. P-015

Electrosynthesized molecularly imprinted polymer thin films for antibiotics selective recognition
Tretjakov, Aleksei; Zhang, Y.; **Reut, Jekaterina**; **Sõritski, Vitali**; **Öpik, Andres** Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 115

Enhancing binding properties of imprinted polymers for the detection of small molecules
Ayankojo, Akinrinade George; **Reut, Jekaterina**; **Öpik, Andres**; **Tretjakov, Aleksei**; **Sõritski, Vitali** Proceedings of the Estonian Academy of Sciences 2018 / p. 138–146 : ill https://doi.org/10.3176/proc.2018.2.04 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A macromolecular imprinting approach to design synthetic receptors for label-free biosensing applications = Sünteetilised retseptorid molekulaarselt jäljendatud polümeeridest biomakromolekulide märgisevabaks määramiseks
Tretjakov, Aleksei 2016 http://www.ester.ee/record=b4560028*est

Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios
Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei**; **Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p https://doi.org/10.1016/j.cemconcomp.2021.103956 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecularly imprinted polymer based SPR sensors for label-free detection of antibiotics
Tretjakov, Aleksei; **Ayankojo, Akinrinade George**; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Recent Developments in Polymer Synthesis : MACRO 2014 : poster presenta[t]ion 2014 / p. 286

Molecularly imprinted polymer film interfaced with Surface Acoustic Wave technology as a sensing platform for label-free protein detection
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Boroznjak, Roman**; **Öpik, Andres** Analytica chimica acta 2016 / p. 182-188 : ill http://dx.doi.org/10.1016/j.aca.2015.11.004

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; **Sõritski, Vitali** Analytical chemistry 2016 / p. 1476-1484 : ill http://dx.doi.org/10.1021/acs.analchem.5b04735

Molecularly imprinted poly(m-phenylenediamine) films as a sensing layer for antibiotic detection
Tretjakov, Aleksei; **Sõritski, 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

Molekulaarselt jäljendatud polü(3,4-etüleendioksütiofeeni) mikrostruktuuride valmistamine mikrokiipidel
Kaev, Jevgeni; **Tretjakov, Aleksei**; Lautner, G.; **Reut, Jekaterina**; **Sõritski, Vitali**; **Öpik, Andres**; Gyurcsanyi, Robert E.; Rappich, Jörg XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 32

Poly(m-phenylenediamine) thin films molecularly imprinted with antibiotics as a recognition material for biosensor application
Sõritski, Vitali; **Reut, Jekaterina**; **Tretjakov, Aleksei**; **Öpik, Andres**; Hinrichs, Karsten; Rappich, Jörg Polymers for advanced technologies 2013 / p. 153

Protein-imprinted polymer films as a biorecognition layer for surface acoustic wave sensing platform
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Boroznjak, Roman**; **Öpik, Andres** BITE 2015 : 4th International Conference on Bio-Sensing Technology : Lisbon, Portugal, 10-13 May 2015 2015 / [1] p

Sensing small- and macromolecular targets using molecularly imprinted polymers interfaced with saw technology
Sõritski, Vitali; **Tretjakov, Aleksei**; **Ayankojo, Akinrinade George**; **Reut, Jekaterina**; **Öpik, Andres** MIP2016 : the 9th International Conference on Molecular Imprinting : June 26-30, 2016, Elite Hotel Ideon, Lund, Sweden 2016 / p. [74]

Surface molecularly imprinted polydopamine films for recognition of immunoglobulin G
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Boroznjak, Roman**; **Volobujeva, Olga**; **Öpik, Andres** Microchimica acta 2013 / p. 1433-1442 : ill