

Vitali Syritski

List of Publications by Year in descending order

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34
papers

1,714
citations

377584

21
h-index

425179

34
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all docs

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docs citations

34
times ranked

2048
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly imprinted polymer based electrochemical sensor for quantitative detection of SARS-CoV-2 spike protein. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131160.	4.0	95
2	Advances in Detection of Antibiotic Pollutants in Aqueous Media Using Molecular Imprinting Technique—A Review. <i>Biosensors</i> , 2022, 12, 441.	2.3	18
3	MIP-based electrochemical sensor for direct detection of hepatitis C virus via E2 envelope protein. <i>Talanta</i> , 2022, 250, 123737.	2.9	14
4	Dual ELISA using SARS-CoV-2 nucleocapsid protein produced in <i>E. coli</i> and CHO cells reveals epitope masking by N-glycosylation. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 457-460.	1.0	22
5	Development of a portable MIP-based electrochemical sensor for detection of SARS-CoV-2 antigen. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113029.	5.3	303
6	An electrochemical biosensor for direct detection of hepatitis C virus. <i>Analytical Biochemistry</i> , 2021, 624, 114196.	1.1	10
7	Molecularly imprinted polymer-based sensor for electrochemical detection of erythromycin. <i>Talanta</i> , 2020, 209, 120502.	2.9	100
8	Sulfamethizole-imprinted polymer on screen-printed electrodes: Towards the design of a portable environmental sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128600.	4.0	21
9	Molecularly imprinted polymer-based SAW sensor for label-free detection of cerebral dopamine neurotrophic factor protein. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127708.	4.0	46
10	Advanced sensing materials based on molecularly imprinted polymers towards developing point-of-care diagnostics devices. <i>Proceedings of the Estonian Academy of Sciences</i> , 2019, 68, 158.	0.9	15
11	Preparation of a surface-grafted protein-selective polymer film by combined use of controlled/living radical photopolymerization and microcontact imprinting. <i>Reactive and Functional Polymers</i> , 2018, 125, 47-56.	2.0	29
12	Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 766-774.	4.0	54
13	Enhancing binding properties of imprinted polymers for the detection of small molecules. <i>Proceedings of the Estonian Academy of Sciences</i> , 2018, 67, 138.	0.9	8
14	Hybrid molecularly imprinted polymer for amoxicillin detection. <i>Biosensors and Bioelectronics</i> , 2018, 118, 102-107.	5.3	72
15	A computational approach to study functional monomer-protein molecular interactions to optimize protein molecular imprinting. <i>Journal of Molecular Recognition</i> , 2017, 30, e2635.	1.1	41
16	Molecularly Imprinted Polymer Integrated with a Surface Acoustic Wave Technique for Detection of Sulfamethizole. <i>Analytical Chemistry</i> , 2016, 88, 1476-1484.	3.2	54
17	Molecularly imprinted polymer film interfaced with Surface Acoustic Wave technology as a sensing platform for label-free protein detection. <i>Analytica Chimica Acta</i> , 2016, 902, 182-188.	2.6	80
18	ZnO Nanorods Grown Electrochemically on Different Metal Oxide Underlays. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 77, 012012.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Maleimide functionalized silicon surfaces for biosensing investigated by in-situ IRSE and EQCM. <i>Electrochemistry Communications</i> , 2015, 51, 103-107.	2.3	12
20	Influence of the Para-Substituent of Benzene Diazonium Salts and the Solvent on the Film Growth During Electrochemical Reduction. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 557-573.	1.4	22
21	Surface molecularly imprinted polydopamine films for recognition of immunoglobulin G. <i>Mikrochimica Acta</i> , 2013, 180, 1433-1442.	2.5	95
22	Electrochemical functionalization of gold and silicon surfaces by a maleimide group as a biosensor for immunological application. <i>Acta Biomaterialia</i> , 2013, 9, 5838-5844.	4.1	20
23	Selective Artificial Receptors Based on Micropatterned Surface-Imprinted Polymers for Label-Free Detection of Proteins by SPR Imaging. <i>Advanced Functional Materials</i> , 2011, 21, 591-597.	7.8	68
24	A new strategy for the preparation of maleimide-functionalised gold surfaces. <i>Electrochemistry Communications</i> , 2010, 12, 1403-1406.	2.3	15
25	Molecularly imprinted polymers: a new approach to the preparation of functional materials. <i>Proceedings of the Estonian Academy of Sciences</i> , 2009, 58, 3.	0.9	28
26	Electrosynthesized Surface-Imprinted Conducting Polymer Microrods for Selective Protein Recognition. <i>Advanced Materials</i> , 2009, 21, 2271-2275.	11.1	135
27	Electrosynthesized molecularly imprinted polypyrrole films for enantioselective recognition of l-aspartic acid. <i>Electrochimica Acta</i> , 2008, 53, 2729-2736.	2.6	123
28	Ultrathin polypyrrole films on silicon substrates. <i>Electrochimica Acta</i> , 2008, 53, 4046-4050.	2.6	29
29	Recombination Behaviour at the Ultrathin Polypyrrole Film/Silicon Interface Investigated by In-situ Pulsed Photoluminescence. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 554-557.	0.8	11
30	Synthesis and characterization of inherently conducting polymers by using Scanning Electrochemical Microscopy and Electrochemical Quartz Crystal Microbalance. <i>Synthetic Metals</i> , 2005, 152, 133-136.	2.1	24
31	Synthesis and redox behavior of PEDOT/PSS and PPy/DBS structures. <i>Synthetic Metals</i> , 2004, 144, 235-239.	2.1	23
32	Ion transport investigations of polypyrroles doped with different anions by EQCM and CER techniques. <i>Electrochimica Acta</i> , 2003, 48, 1409-1417.	2.6	75
33	In-situ characterization of the polypyrrole films by EQCM and CER techniques. <i>Synthetic Metals</i> , 2001, 119, 309-310.	2.1	1
34	Environmental QCM sensors coated with polypyrrole. <i>Synthetic Metals</i> , 1999, 102, 1326-1327.	2.1	49