

Jekaterina Reut

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

1,049
citations

17
h-index

27
g-index

27
ext. papers

1,312
ext. citations

6.7
avg, IF

4.8
L-index

#	Paper	IF	Citations
25	Electrosynthesized Surface-Imprinted Conducting Polymer Microrods for Selective Protein Recognition. <i>Advanced Materials</i> , 2009 , 21, 2271-2275	24	125
24	Development of a portable MIP-based electrochemical sensor for detection of SARS-CoV-2 antigen. <i>Biosensors and Bioelectronics</i> , 2021 , 178, 113029	11.8	125
23	Electrosynthesized molecularly imprinted polypyrrole films for enantioselective recognition of l-aspartic acid. <i>Electrochimica Acta</i> , 2008 , 53, 2729-2736	6.7	113
22	Surface molecularly imprinted polydopamine films for recognition of immunoglobulin G. <i>Mikrochimica Acta</i> , 2013 , 180, 1433-1442	5.8	72
21	Corrosion behavior of polypyrrole coated mild steel. <i>Synthetic Metals</i> , 1999 , 102, 1392-1393	3.6	71
20	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	15.6	64
19	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	6.6	63
18	Hybrid molecularly imprinted polymer for amoxicillin detection. <i>Biosensors and Bioelectronics</i> , 2018 , 118, 102-107	11.8	50
17	Molecularly imprinted polymer-based sensor for electrochemical detection of erythromycin. <i>Talanta</i> , 2020 , 209, 120502	6.2	48
16	Environmental QCM sensors coated with polypyrrole. <i>Synthetic Metals</i> , 1999 , 102, 1326-1327	3.6	43
15	Molecularly Imprinted Polymer Integrated with a Surface Acoustic Wave Technique for Detection of Sulfamethizole. <i>Analytical Chemistry</i> , 2016 , 88, 1476-84	7.8	42
14	Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 766-774	8.5	41
13	A computational approach to study functional monomer-protein molecular interactions to optimize protein molecular imprinting. <i>Journal of Molecular Recognition</i> , 2017 , 30, e2635	2.6	27
12	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	8.5	26
11	Molecularly imprinted polymers: a new approach to the preparation of functional materials. <i>Proceedings of the Estonian Academy of Sciences</i> , 2009 , 58, 3	1.6	24
10	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	4.6	21
9	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	8.5	20

8	Electrochemical functionalization of gold and silicon surfaces by a maleimide group as a biosensor for immunological application. <i>Acta Biomaterialia</i> , 2013 , 9, 5838-44	10.8	17
7	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,	3.1	16
6	Dual ELISA using SARS-CoV-2 nucleocapsid protein produced in E. coli and CHO cells reveals epitope masking by N-glycosylation. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 534, 457-460	3.4	10
5	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	8.5	9
4	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	1.6	7
3	Preparation and characterization of multilayer Systems consisting of the soluble and electrochemically synthesized polypyrrole films. <i>Synthetic Metals</i> , 2001 , 119, 81-82	3.6	5
2	Enhancing binding properties of imprinted polymers for the detection of small molecules. <i>Proceedings of the Estonian Academy of Sciences</i> , 2018 , 67, 138	1.6	4
1	An electrochemical biosensor for direct detection of hepatitis C virus. <i>Analytical Biochemistry</i> , 2021 , 624, 114196	3.1	4