

Vadim Krivitsky

List of Publications by Year in descending order

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564
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759233

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18
docs citations

18
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Supersensitive fingerprinting of explosives by chemically modified nanosensors arrays. Nature Communications, 2014, 5, 4195.	12.8	169
2	Si Nanowires Forest-Based On-Chip Biomolecular Filtering, Separation and Preconcentration Devices: Nanowires Do it All. Nano Letters, 2012, 12, 4748-4756.	9.1	102
3	Antigen-Dissociation from Antibody-Modified Nanotransistor Sensor Arrays as a Direct Biomarker Detection Method in Unprocessed Biosamples. Nano Letters, 2016, 16, 6272-6281.	9.1	52
4	Clinic-on-a-Needle Array toward Future Minimally Invasive Wearable Artificial Pancreas Applications. ACS Nano, 2021, 15, 12019-12033.	14.6	35
5	Direct and Selective Electrochemical Vapor Trace Detection of Organic Peroxide Explosives via Surface Decoration. Analytical Chemistry, 2019, 91, 5323-5330.	6.5	33
6	Direct Detection of Uranyl in Urine by Dissociation from Aptamer-Modified Nanosensor Arrays. Analytical Chemistry, 2020, 92, 12528-12537.	6.5	27
7	Light-Controlled Selective Collection-and-Release of Biomolecules by an On-Chip Nanostructured Device. Nano Letters, 2019, 19, 5868-5878.	9.1	23
8	Multicolor Spectral-Specific Silicon Nanodetectors based on Molecularly Embedded Nanowires. Nano Letters, 2018, 18, 190-201.	9.1	22
9	Cellular Metabolomics by a Universal Redox-Reactive Nanosensors Array: From the Cell Level to Tumor-on-a-Chip Analysis. Nano Letters, 2019, 19, 2478-2488.	9.1	18
10	Real-time monitoring of bacterial biofilms metabolic activity by a redox-reactive nanosensors array. Journal of Nanobiotechnology, 2020, 18, 81.	9.1	18
11	Structure-Function Correlation of Aminated Poly(β)glutamate as siRNA Nanocarriers. Biomacromolecules, 2016, 17, 2787-2800.	5.4	14
12	Rapid Collection and Aptamer-Based Sensitive Electrochemical Detection of Soybean Rust Fungi Airborne Urediniospores. ACS Sensors, 2021, 6, 1187-1198.	7.8	13
13	Redox-Reactive Field-Effect Transistor Nanodevices for the Direct Monitoring of Small Metabolites in Biofluids toward Implantable Nanosensors Arrays. ACS Nano, 2020, 14, 3587-3594.	14.6	12
14	Vapor Trace Collection and Direct Ultrasensitive Detection of Nitro-Explosives by 3D Microstructured Electrodes. Analytical Chemistry, 2019, 91, 14375-14382.	6.5	8
15	Direct whole blood analysis by the antigen-antibody chemically-delayed dissociation from nanosensors arrays. Biosensors and Bioelectronics, 2020, 170, 112658.	10.1	7
16	Molecular Weight-Dependent Activity of Aminated Poly(β)glutamates as siRNA Nanocarriers. Polymers, 2018, 10, 548.	4.5	6
17	Ultrafast high-capacity capture and release of uranium by a light-switchable nanotextured surface. Nanoscale Advances, 2021, 3, 3615-3626.	4.6	3
18	Sulfonated Amphiphilic Poly(β)glutamate Amine-A Potential siRNA Nanocarrier for the Treatment of Both Chemo-Sensitive and Chemo-Resistant Glioblastoma Tumors. Pharmaceutics, 2021, 13, 2199.	4.5	2