

Milan N StojanoviÄ

List of Publications by Year in descending order

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46
papers

5,002
citations

331670

21
h-index

330143

37
g-index

50
all docs

50
docs citations

50
times ranked

3803
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. <i>Science Advances</i> , 2022, 8, eabk0967.	10.3	118
2	Phenylalanine Monitoring via Aptamer-Field-Effect Transistor Sensors. <i>ACS Sensors</i> , 2019, 4, 3308-3317.	7.8	57
3	Microfluidic Isolation of Aptamers for Glycan Targets. , 2019, , .		0
4	Electrochemical Aptamer-Based Sensors for Improved Therapeutic Drug Monitoring and High-Precision, Feedback-Controlled Drug Delivery. <i>ACS Sensors</i> , 2019, 4, 2832-2837.	7.8	142
5	Hydrogel Microfilaments toward Intradermal Health Monitoring. <i>IScience</i> , 2019, 21, 328-340.	4.1	12
6	New therapeutic approaches and novel alternatives for organophosphate toxicity. <i>Toxicology Letters</i> , 2018, 291, 1-10.	0.8	14
7	Aptamerâ€‘field-effect transistors overcome Debye length limitations for small-molecule sensing. <i>Science</i> , 2018, 362, 319-324.	12.6	570
8	Frontispiece: Insulin Hexamer-Caged Gadolinium Ion as MRI Contrast-o-phore. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
9	Insulin Hexamerâ€‘Caged Gadolinium Ion as MRI Contrastâ€‘ophore. <i>Chemistry - A European Journal</i> , 2018, 24, 10646-10652.	3.3	4
10	Integrated Microfluidic Selex Using Free Solution Electrokinetics. <i>Journal of the Electrochemical Society</i> , 2017, 164, B3122-B3129.	2.9	14
11	High-Affinity Nucleic-Acid-Based Receptors for Steroids. <i>ACS Chemical Biology</i> , 2017, 12, 3103-3112.	3.4	82
12	An Integrated Microfluidic SELEX Approach Using Combined Electrokinetic and Hydrodynamic Manipulation. <i>SLAS Technology</i> , 2017, 22, 63-72.	1.9	12
13	In vitro selection and amplification protocols for isolation of aptameric sensors for small molecules. <i>Methods</i> , 2016, 106, 58-65.	3.8	92
14	Integrated Microfluidic Isolation of Aptamers Using Electrophoretic Oligonucleotide Manipulation. <i>Scientific Reports</i> , 2016, 6, 26139.	3.3	22
15	Microfluidic selection of aptamers using combined electrokinetic and hydrodynamic manipulation. , 2015, , .		0
16	Isolation of thermally sensitive protein-binding oligonucleotides on a microchip. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 795-804.	2.2	7
17	Recognition and sensing of low-epitope targets via ternary complexes with oligonucleotides and synthetic receptors. <i>Nature Chemistry</i> , 2014, 6, 1003-1008.	13.6	118
18	Exercises in Molecular Computing. <i>Accounts of Chemical Research</i> , 2014, 47, 1845-1852.	15.6	151

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19	Nucleic acid isolation and enrichment on a microchip. <i>Sensors and Actuators A: Physical</i> , 2013, 195, 183-190.	4.1	23
20	Formation and Stimuli-Directed Migration of Slugs in Microchips. <i>Journal of Medical and Biological Engineering</i> , 2013, 33, 263-268.	1.8	0
21	Bead-based polymerase chain reaction on a microchip. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 749-760.	2.2	8
22	Optimizing Cross-reactivity with Evolutionary Search for Sensors. <i>Journal of the American Chemical Society</i> , 2012, 134, 1642-1647.	13.7	71
23	Light-directed migration of <i>D. discoideum</i> slugs in microfabricated confinements. <i>Sensors and Actuators A: Physical</i> , 2012, 188, 312-319.	4.1	5
24	Isolation of thermally sensitive aptamers on a microchip. , 2012, , .		3
25	Some Experiments and Directions in Molecular Computing and Robotics. <i>Israel Journal of Chemistry</i> , 2011, 51, 99-105.	2.3	18
26	Specific cell capture and temperature-mediated release using surface-immobilized aptamers in a microfluidic device. , 2011, , .		1
27	Detecting hydrophobic molecules with nucleic acid-based receptors. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 751-757.	6.1	14
28	A Microfluidic Affinity Cocaine Sensor. , 2009, , .		1
29	Triggered Release of an Active Peptide Conjugate from a DNA Device by an Orally Administrable Small Molecule. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4394-4397.	13.8	19
30	An aptamer-based microfluidic device for thermally controlled affinity extraction. <i>Microfluidics and Nanofluidics</i> , 2009, 6, 479-487.	2.2	39
31	An Aptameric Microfluidic System for Specific Purification, Enrichment, and Mass Spectrometric Detection of Biomolecules. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 1198-1207.	2.5	13
32	DNA-based Nanosystems. <i>New Generation Computing</i> , 2008, 26, 297-312.	3.3	4
33	Molecular Computing with Deoxyribozymes. <i>Progress in Molecular Biology and Translational Science</i> , 2008, 82, 199-217.	1.9	31
34	Programmed Affinity Extraction of Molecules on a Microfluidic Platform. , 2007, , .		2
35	Computing with Nucleic Acids. , 2005, , 427-455.		41
36	Deoxyribozyme-Based Ligase Logic Gates and Their Initial Circuits. <i>Journal of the American Chemical Society</i> , 2005, 127, 6914-6915.	13.7	164

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37	Modular Aptameric Sensors. <i>Journal of the American Chemical Society</i> , 2004, 126, 9266-9270.	13.7	301
38	Allosteric regulation of small-molecule binding by aptimers. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 871-875.	0.8	2
39	A deoxyribozyme-based molecular automaton. <i>Nature Biotechnology</i> , 2003, 21, 1069-1074.	17.5	627
40	Deoxyribozyme-Based Half-Adder. <i>Journal of the American Chemical Society</i> , 2003, 125, 6673-6676.	13.7	249
41	Cross-Reactive Arrays Based on Three-Way Junctions. <i>Journal of the American Chemical Society</i> , 2003, 125, 6085-6089.	13.7	53
42	Implicit-OR tiling of deoxyribozymes: Construction of molecular scale OR, NAND and four-input logic gates. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 321-326.	0.8	11
43	Aptamer-Based Colorimetric Probe for Cocaine. <i>Journal of the American Chemical Society</i> , 2002, 124, 9678-9679.	13.7	341
44	Deoxyribozyme-Based Logic Gates. <i>Journal of the American Chemical Society</i> , 2002, 124, 3555-3561.	13.7	457
45	Aptamer-Based Folding Fluorescent Sensor for Cocaine. <i>Journal of the American Chemical Society</i> , 2001, 123, 4928-4931.	13.7	676
46	Fluorescent Sensors Based on Aptamer Self-Assembly. <i>Journal of the American Chemical Society</i> , 2000, 122, 11547-11548.	13.7	411