

# Irina V Nesterova

## List of Publications by Year in descending order

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1040056

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docs citations

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622  
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#	ARTICLE	IF	CITATIONS
1	Rational Design of Memory-Based Sensors: the Case of Molecular Calorimeters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1610-1614.	13.8	3
2	Rational Design of Memory-Based Sensors: the Case of Molecular Calorimeters. <i>Angewandte Chemie</i> , 2021, 133, 1634-1638.	2.0	1
3	Rational design of guiding elements to control folding topology in i-motifs with multiple quadruplexes. <i>Nanoscale</i> , 2021, 13, 8875-8883.	5.6	3
4	Stoichiometric approach to quantitative analysis of biomolecules: the case of nucleic acids. <i>Analytical and Bioanalytical Chemistry</i> , 2021, , 1.	3.7	1
5	Design of Turn-On Near-Infrared Fluorescent Probes for Highly Sensitive and Selective Monitoring of Biopolymers. <i>Angewandte Chemie</i> , 2020, 132, 8518-8522.	2.0	0
6	Design of Turn-On Near-Infrared Fluorescent Probes for Highly Sensitive and Selective Monitoring of Biopolymers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8440-8444.	13.8	7
7	Multidimensional Tunability of Nucleic Acids Enables Sensing over Unknown Backgrounds. <i>Analytical Chemistry</i> , 2019, 91, 14275-14280.	6.5	4
8	Quantitation without Calibration: Response Profile as an Indicator of Target Amount. <i>Analytical Chemistry</i> , 2018, 90, 7800-7803.	6.5	3
9	Rational Control of Folding Cooperativity in DNA Quadruplexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 11234-11237.	13.7	18
10	A dual input DNA-based molecular switch. <i>Molecular BioSystems</i> , 2014, 10, 2810-2814.	2.9	6
11	Rational Design of Highly Responsive pH Sensors Based on DNA i-Motif. <i>Journal of the American Chemical Society</i> , 2014, 136, 8843-8846.	13.7	141
12	Design and Evaluation of an i-Motif-Based Allosteric Control Mechanism in DNA-Hairpin Molecular Devices. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10115-10121.	2.6	19
13	Hydrodynamic shearing of DNA in a polymeric microfluidic device. <i>Lab on A Chip</i> , 2012, 12, 1044.	6.0	13
14	Near-IR single fluorophore quenching system based on phthalocyanine (Pc) aggregation and its application for monitoring inhibitor/activator action on a therapeutic target: L1-EN. <i>Analyst</i> , The, 2011, 136, 1103.	3.5	18
15	Phthalocyanine Dimerization-Based Molecular Beacons Using Near-IR Fluorescence. <i>Journal of the American Chemical Society</i> , 2009, 131, 2432-2433.	13.7	100
16	Mono-amine Functionalized Phthalocyanines: Microwave-Assisted Solid-Phase Synthesis and Bioconjugation Strategies. <i>Journal of Organic Chemistry</i> , 2009, 74, 9280-9286.	3.2	25
17	Solid-Phase Synthesis of Asymmetrically Substituted $\text{AB}_3$ -Type Phthalocyanines. <i>Journal of Organic Chemistry</i> , 2008, 73, 5003-5007.	3.2	48
18	Metallo-Phthalocyanine Near-IR Fluorophores: Oligonucleotide Conjugates and Their Applications in PCR Assays. <i>Bioconjugate Chemistry</i> , 2007, 18, 2159-2168.	3.6	39