

# Kira Irina Astakhova

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

649  
citations

566801

15  
h-index

642321

23  
g-index

50  
all docs

50  
docs citations

50  
times ranked

794  
citing authors

#	ARTICLE	IF	CITATIONS
1	New approaches to moderate CRISPR-Cas9 activity: Addressing issues of cellular uptake and endosomal escape. <i>Molecular Therapy</i> , 2022, 30, 32-46.	3.7	16
2	Cyclic Citrullinated Peptide Aptamer Treatment Attenuates Collagen-Induced Arthritis. <i>Biomacromolecules</i> , 2022, 23, 2126-2137.	2.6	6
3	Carbon Nanotubesâ€”Potent Carriers for Targeted Drug Delivery in Rheumatoid Arthritis. <i>Pharmaceutics</i> , 2021, 13, 453.	2.0	23
4	Enhanced target cell specificity and uptake of lipid nanoparticles using RNA aptamers and peptides. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 891-907.	1.3	15
5	Complete Mesoscopic Parameterization of Single LNA Modifications in DNA Applied to Oncogene Probe Design. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3615-3624.	2.5	2
6	Optical and theoretical study of strand recognition by nucleic acid probes. <i>Communications Chemistry</i> , 2020, 3, .	2.0	5
7	Serological comparison of systemic lupus erythematosus with neuropsychiatric lupus using synthetic nucleic acid antigens. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100068.	2.0	2
8	Ultra-fast detection and quantification of nucleic acids by amplification-free fluorescence assay. <i>Analyst</i> , The, 2020, 145, 5836-5844.	1.7	7
9	Antibodies to synthetic citrullinated peptide epitope correlate with disease activity and flares in rheumatoid arthritis. <i>PLoS ONE</i> , 2020, 15, e0232010.	1.1	5
10	Combined Assay for Detecting Autoantibodies to Nucleic Acids and Apolipoprotein H in Patients with Systemic Lupus Erythematosus. <i>Methods in Molecular Biology</i> , 2020, 2063, 57-71.	0.4	3
11	Solid-Phase Hybridization Assay for Detection of Mutated Cancer DNA by Fluorescence. <i>Methods in Molecular Biology</i> , 2020, 2063, 37-44.	0.4	1
12	Peptideâ€”Fluorophore Hydrogel as a Signal Boosting Approach in Rapid Detection of Cancer DNA. <i>ACS Omega</i> , 2019, 4, 13889-13895.	1.6	6
13	Control of LDL Uptake in Human Cells by Targeting the LDLR Regulatory Long Non-coding RNA BM450697. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 17, 264-276.	2.3	12
14	Citrullinated Peptide Epitope Targets Therapeutic Nanoparticles to Human Neutrophils. <i>Bioconjugate Chemistry</i> , 2019, 30, 2584-2593.	1.8	8
15	Autoantibodies in Morphea: An Update. <i>Frontiers in Immunology</i> , 2019, 10, 1487.	2.2	29
16	Lipid Nanoparticles for Delivery of Therapeutic RNA Oligonucleotides. <i>Molecular Pharmaceutics</i> , 2019, 16, 2265-2277.	2.3	69
17	Fluorescent Oligonucleotides with Bis(prop-2-yn-1-yloxy)butane-1,3-diol Scaffold Rapidly Detect Disease-Associated Nucleic Acids. <i>Bioconjugate Chemistry</i> , 2019, 30, 3007-3012.	1.8	4
18	Improving the Design of Synthetic Oligonucleotide Probes by Fluorescence Melting Assay. <i>ChemBioChem</i> , 2019, 20, 587-594.	1.3	13

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19	Autoantibody Profiling in Lupus Patients using Synthetic Nucleic Acids. <i>Scientific Reports</i> , 2018, 8, 5554.	1.6	11
20	“Clicking” Gene Therapeutics: A Successful Union of Chemistry and Biomedicine for New Solutions. <i>Molecular Pharmaceutics</i> , 2018, 15, 2892-2899.	2.3	12
21	Detection of autoimmune antibodies in localized scleroderma by synthetic oligonucleotide antigens. <i>PLoS ONE</i> , 2018, 13, e0195381.	1.1	12
22	Dihydropyridine Fluorophores Allow for Specific Detection of Human Antibodies in Serum. <i>ACS Omega</i> , 2018, 3, 7580-7586.	1.6	6
23	Studies of Impending Oligonucleotide Therapeutics in Simulated Biofluids. <i>Nucleic Acid Therapeutics</i> , 2018, 28, 348-356.	2.0	2
24	Design of 2-phenylethynylpyrene excimer forming DNA/RNA probes for homogeneous SNP detection: The attachment manner matters. <i>Tetrahedron</i> , 2017, 73, 3220-3230.	1.0	7
25	Complexes of DNA with fluorescent dyes are effective reagents for detection of autoimmune antibodies. <i>Scientific Reports</i> , 2017, 7, 1925.	1.6	17
26	Environmentally sensitive molecular probes reveal mutations and epigenetic 5-methyl cytosine in human oncogenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5680-5684.	1.5	9
27	Synthetic Nucleic Acid Analogues in Gene Therapy: An Update for Peptide-Oligonucleotide Conjugates. <i>ChemBioChem</i> , 2017, 18, 1671-1682.	1.3	30
28	Tandem Oligonucleotide Probe Annealing and Elongation To Discriminate Viral Sequence. <i>Analytical Chemistry</i> , 2017, 89, 4363-4366.	3.2	5
29	New Fluorescent Nanoparticles for Ultrasensitive Detection of Nucleic Acids by Optical Methods. <i>ChemBioChem</i> , 2017, 18, 1599-1603.	1.3	3
30	Antisense Oligonucleotides Internally Labeled with Peptides Show Improved Target Recognition and Stability to Enzymatic Degradation. <i>Bioconjugate Chemistry</i> , 2017, 28, 768-774.	1.8	28
31	Revealing Nucleic Acid Mutations Using Förster Resonance Energy Transfer-Based Probes. <i>Sensors</i> , 2016, 16, 1173.	2.1	19
32	Synthetic oligonucleotide antigens modified with locked nucleic acids detect disease specific antibodies. <i>Scientific Reports</i> , 2016, 6, 35827.	1.6	10
33	Novel Phospholipid-Protein Conjugates Allow Improved Detection of Antibodies in Patients with Autoimmune Diseases. <i>PLoS ONE</i> , 2016, 11, e0156125.	1.1	3
34	Novel Signal-Enhancing Approaches for Optical Detection of Nucleic Acids—Going beyond Target Amplification. <i>Chemosensors</i> , 2015, 3, 224-240.	1.8	11
35	Synthesis of Phospholipid-Protein Conjugates as New Antigens for Autoimmune Antibodies. <i>Molecules</i> , 2015, 20, 10253-10263.	1.7	3
36	Enzyme-Free Detection of Mutations in Cancer DNA Using Synthetic Oligonucleotide Probes and Fluorescence Microscopy. <i>PLoS ONE</i> , 2015, 10, e0136720.	1.1	15

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37	Fluorescent Nucleic Acid Analogues in Research and Clinical Diagnostics. RNA Technologies, 2015, , 161-181.	0.2	2
38	Ultramild Protein-Mediated Click Chemistry Creates Efficient Oligonucleotide Probes for Targeting and Detecting Nucleic Acids. ChemBioChem, 2015, 16, 1163-1167.	1.3	5
39	Toward Non-Enzymatic Ultrasensitive Identification of Single Nucleotide Polymorphisms by Optical Methods. Chemosensors, 2014, 2, 193-206.	1.8	18
40	Fluorescence detection of natural RNA using rationally designed "clickable" oligonucleotide probes. RSC Advances, 2014, 4, 45653-45656.	1.7	8
41	Synthetic Oligonucleotide Probes for Detection of Autoimmune Antibodies. Journal of Clinical & Cellular Immunology, 2014, 05, .	1.5	0
42	"Clickable" LNA/DNA probes for fluorescence sensing of nucleic acids and autoimmune antibodies. Chemical Communications, 2013, 49, 10751.	2.2	31
43	Branched DNA nanostructures efficiently stabilised and monitored by novel pyrene-perylene 2- $\pm$ -amino-LNA FRET pairs. Chemical Communications, 2013, 49, 511-513.	2.2	27
44	Interfacing Click Chemistry with Automated Oligonucleotide Synthesis for the Preparation of Fluorescent DNA Probes Containing Internal Xanthene and Cyanine Dyes. Chemistry - A European Journal, 2013, 19, 1112-1122.	1.7	39
45	A Locked Nucleic Acid-Based Nanocrawler: Designed and Reversible Movement Detected by Multicolor Fluorescence. Journal of the American Chemical Society, 2013, 135, 2423-2426.	6.6	21
46	Peptide-LNA oligonucleotide conjugates. Organic and Biomolecular Chemistry, 2013, 11, 4240.	1.5	26
47	Rapid genotyping using pyrene-perylene locked nucleic acid complexes. Artificial DNA, PNA & XNA, 2013, 4, 58-68.	1.4	18
48	Novel (Phenylethynyl)pyrene-LNA Constructs for Fluorescence SNP Sensing in Polymorphic Nucleic Acid Targets. ChemBioChem, 2012, 13, 1509-1519.	1.3	25