

# Igor Ya Dubey

## List of Publications by Year in descending order

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59  
papers

646  
citations

516710

16  
h-index

642732

23  
g-index

61  
all docs

61  
docs citations

61  
times ranked

564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Can DNA-binding proteins of replisome tautomerize nucleotide bases? Ab initio model study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 29, 1101-1109.	3.5	67
2	Size matters, so does shape: Inhibition of transcription of T7 RNA polymerase by iron(II) clathrochelates. <i>Journal of Inorganic Biochemistry</i> , 2013, 124, 42-45.	3.5	45
3	Application of new catalytic phosphate protecting groups for the highly efficient phosphotriester oligonucleotide synthesis. <i>Nucleic Acids Research</i> , 1986, 14, 6525-6540.	14.5	43
4	Guanine Oxidation: NMR Characterization of a Dehydro-guanidinohydantoin Residue Generated by a 2e-oxidation of d(GpT). <i>Journal of the American Chemical Society</i> , 2001, 123, 5867-5877.	13.7	43
5	Characterization of a 5'-Aldehyde Terminus Resulting from the Oxidative Attack at C5' of a 2-Deoxyribose on DNA. <i>Chemical Research in Toxicology</i> , 2001, 14, 1413-1420.	3.3	31
6	Copper-promoted reductive homocoupling of quasi-aromatic iron(II) clathrochelates: boosting the inhibitory activity in a transcription assay. <i>Chemical Communications</i> , 2014, 50, 3166.	4.1	30
7	New absorption promoter for the buccal delivery: Preparation and characterization of lysalbinic acid. <i>International Journal of Pharmaceutics</i> , 2006, 308, 149-154.	5.2	26
8	Sensor Based on Molecularly Imprinted Polymer Membranes and Smartphone for Detection of Fusarium Contamination in Cereals. <i>Sensors</i> , 2020, 20, 4304.	3.8	26
9	Interaction of cyanine dyes with nucleic acids. Part 19: new method for the covalent labeling of oligonucleotides with pyrylium cyanine dyes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2201-2204.	2.2	22
10	An efficient method of chemical modification of BODIPY core. <i>Tetrahedron</i> , 2013, 69, 2233-2238.	1.9	22
11	Synthesis of the first morpholine-containing iron(II) clathrochelates: A new class of efficient functionalized transcription inhibitors. <i>Inorganica Chimica Acta</i> , 2014, 421, 300-306.	2.4	21
12	Synthesis and DNA cleavage of 2'-O-amino-linked metalloporphyrin-oligonucleotide conjugates. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 3088-3095.	1.3	20
13	First clathrochelate iron and cobalt(II) tris-dioximates with reactive apical substituents. <i>Inorganic Chemistry Communication</i> , 2013, 30, 53-57.	3.9	20
14	Electronic Excitation Energy Transfer in DNA. Nature of Triplet Excitations Capturing Centers. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 467, 311-323.	0.9	19
15	Fluorescent labeling of proteins with amine-specific 1,3,2-(2H)-dioxaborine polymethine dye. <i>Analytical Biochemistry</i> , 2012, 420, 115-120.	2.4	18
16	Modification of the Thiourea Linkage of a Fluorescein-Oligonucleotide Conjugate to a Guanidinium Motif during Ammonia Deprotection. <i>Bioconjugate Chemistry</i> , 1998, 9, 627-632.	3.6	16
17	NMR Study and Improvement of H-Phosphonate Oligonucleotide Synthesis. <i>Nucleosides &amp; Nucleotides</i> , 1990, 9, 473-477.	0.5	14
18	CONVENIENT METHOD FOR THE PREPARATION OF 2'-DEOXYRIBOSYLUREA BY THYMIDINE OXIDATION AND NMR STUDY OF BOTH ANOMERS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 1463-1471.	1.1	14

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Journal of Fluorescence, 2000, 10, 49-54.	2.5	12
20	Anchorage of oligonucleotide hybridization by tethered phenazine nucleoside analogue. Biopolymers, 2003, 72, 264-273.	2.4	12
21	Design and study of telomerase inhibitors based on G-quadruplex ligands. Biopolymers and Cell, 2013, 29, 169-176.	0.4	11
22	Fluorescent Studies on Cooperative Binding of Cationic Pheophorbide $\text{a}^{\text{a}}$ Derivative to Polyphosphate. Annals of the New York Academy of Sciences, 2008, 1130, 293-299.	3.8	9
23	Studies on interaction of oligoadenylates with proteins in vitro by MALDI-TOF mass spectrometry. Biopolymers and Cell, 2013, 29, 42-48.	0.4	6
24	Self-assemblies of tricationic porphyrin on inorganic polyphosphate. Biophysical Chemistry, 2014, 185, 39-46.	2.8	6
25	Interaction of a tricationic meso-substituted porphyrin with guanine-containing polyribonucleotides of various structures. Methods and Applications in Fluorescence, 2016, 4, 034005.	2.3	6
26	A new mechanism of post-transfer editing by aminoacyl-tRNA synthetases: catalysis of hydrolytic reaction by bacterial-type prolyl-tRNA synthetase. Journal of Biomolecular Structure and Dynamics, 2017, 35, 669-682.	3.5	6
27	Synthesis of (2'-5')-tradenylate and their analogues using O-nucleophilic catalysis of internucleotide coupling reaction. Biopolymers and Cell, 2007, 23, 538-544.	0.4	6
28	Binding of Metallated Porphyrin-Imidazophenazine Conjugate to Tetramolecular Quadruplex Formed by Poly(G): a Spectroscopic Investigation. Journal of Fluorescence, 2015, 25, 1897-1904.	2.5	5
29	Effect of Microenvironment on the Geometrical Structure of $d(A)_5 d(T)_5$ and $d(G)_5 d(C)_5$ DNA Mini-Helices and the Dickerson Dodecamer: A Density Functional Theory Study. Journal of Physical Chemistry B, 2020, 124, 9343-9353.	2.6	5
30	Synthesis, spectral properties and evaluation of carboxy-functionalized 3-thiazolylcoumarins as blue-emitting fluorescent labeling reagents. Tetrahedron Letters, 2020, 61, 152227.	1.4	5
31	Synthesis of 2 $\text{â}^{\text{TM}}$ -5 $\text{â}^{\text{TM}}$ -oligoadenylates and study on their effect on proliferation and migration of bone marrow stem cells of mice in vitro and in vivo. Biopolymers and Cell, 2007, 23, 14-20.	0.4	5
32	Development and characterization of porous functionalized collagen scaffolds for delivery of FGF-2. Biopolymers and Cell, 2014, 30, 216-222.	0.4	5
33	Postsynthetic Modification of Oligonucleotides with Imidazophenazine Dye and its Effect on Duplex Stability. Nucleosides, Nucleotides and Nucleic Acids, 2011, 30, 585-596.	1.1	4
34	Spectroscopic Study on the Effect of Imidazophenazine Tethered to 5 $\text{â}^{\text{TM}}$ -End of Pentadecathymidilate on Stability of Poly(dA) $\text{â}^{\text{TM}}$ (dT) $\text{â}^{\text{TM}}$ 15 Duplex. Journal of Fluorescence, 2012, 22, 1431-1439.	2.5	4
35	Spectroscopic Studies on Binding of Porphyrin-Phenazine Conjugate to Four-Stranded Poly(G). Journal of Fluorescence, 2015, 25, 1013-1021.	2.5	4
36	Interaction of cyanine dyes with nucleic acids. 3. The of new cyanine dyes Cyan 13 and Cyan 40 for detection of nucleic acids in agarose gel. Biopolymers and Cell, 1997, 13, 419-421.	0.4	4

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37	Refolding of ScFv-CBD fusion protein from Escherichia coli inclusion bodies. <i>Biopolymers and Cell</i> , 2008, 24, 51-59.	0.4	4
38	Phosphotriester Synthesis of Oligonucleotides with the Use of N- and O-Nucleophilic Intramolecular Catalysis. <i>Nucleosides &amp; Nucleotides</i> , 1987, 6, 279-282.	0.5	3
39	Preparation of cationic non-metallated or zinc-porphyrin-oligonucleotide fluorescent conjugates. <i>Comptes Rendus De L'Academie Des Sciences - Series Ilc: Chemistry</i> , 1998, 1, 259-267.	0.1	3
40	Synthetic and Biological Functional Compounds with Direct Excitons Conductivity for Nanoelectronic Devices. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 468, 275/[627]-288/[640].	0.9	3
41	Substrate-assisted mechanism of catalytic hydrolysis of misaminoacylated tRNA required for protein synthesis fidelity. <i>Biochemical Journal</i> , 2019, 476, 719-732.	3.7	3
42	The Spectral Properties of the Telomere Fragments. <i>Ukrainian Journal of Physics</i> , 2016, 61, 516-518.	0.2	3
43	Stabilization of duplex and triplex complexes of oligothymidylate by covalently linked imidazophenazine glycoside. <i>Biopolymers and Cell</i> , 1998, 14, 54-61.	0.4	3
44	Pheophorbide-phenazinium conjugate as a fluorescent light-up probe for G-quadruplex structure. <i>Journal of Molecular Structure</i> , 2020, 1214, 128218.	3.6	2
45	Interaction of cyanine dyes with nucleic acids. 4. Efficient 5'-fluorescent labelling of oligonucleotides with monomethyne pyrylium cyanine dye, <i>Cyan 39. Biopolymers and Cell</i> , 1998, 14, 82-86.	0.4	2
46	The functional nanostructures based on the bipolymers fragments with unidirect excitations energy transfer for nanophotonics. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
47	The Detection of Interaction Between Oligonucleotides and Interferon, A Key Protein of Antiviral Cell Defence System. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 590, 213-220.	0.9	1
48	Luminescence of telomeric fragments of DNA macromolecule. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 639, 151-159.	0.9	1
49	Synthesis and study of antisense oligonucleotides modified with imidazophenazine nucleosides. <i>Biopolymers and Cell</i> , 1999, 15, 367-373.	0.4	1
50	Preparation of bifunctional silica polymer support for the synthesis of 3'-labeled oligonucleotides. <i>Biopolymers and Cell</i> , 2005, 21, 365-369.	0.4	1
51	Synthesis of 3'- and 3',5'-modified oligonucleotides on functionalized silica Silochrom-2. <i>Biopolymers and Cell</i> , 2007, 23, 137-142.	0.4	1
52	Quantum Chemical Approaches in Modeling the Structure of DNA Quadruplexes and Their Interaction with Metal Ions and Small Molecules. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 181-206.	0.6	1
53	Telomerase inhibition by new di- and trisubstituted acridine derivatives. <i>Biopolymers and Cell</i> , 2016, 32, 468-471.	0.4	1
54	Lepidine Orange derivative as a new dye for sensitive fluorescent detection of DNA. <i>Biopolymers and Cell</i> , 2013, 29, 511-514.	0.4	0

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55	Preparative synthesis and some properties of deoxyribosylurea, the product of DNA oxidative degradation. <i>Biopolymers and Cell</i> , 2001, 17, 325-330.	0.4	0
56	Synthesis of fluorescently labeled oligonucleotide conjugate with transport peptide on modified Silochrom-2 support. <i>Biopolymers and Cell</i> , 2008, 24, 171-175.	0.4	0
57	Synthesis and use of disulfide-based H-phosphonate reagent for 3'- and/or 5'-oligonucleotide labelling via mercaptoalkyl linker. <i>Biopolymers and Cell</i> , 1998, 14, 163-172.	0.4	0
58	Interaction of cationic porphyrin-imidazophenazine conjugates with DNA quadruplex: FID assay and quantum-chemical modeling. <i>Biopolymers and Cell</i> , 2018, 34, 387-399.	0.4	0
59	Dicationic carboxamide derivatives of tricyclic heteroaromatic compounds: synthesis and preliminary evaluation of antiproliferative activity. <i>Ukrainica Bioorganica Acta</i> , 2020, 15, 34-41.	0.2	0