

# Igor Ya Dubey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9107334/publications.pdf>

Version: 2024-02-01

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	Effect of Microenvironment on the Geometrical Structure of d(A) <sub>5</sub> d(T) <sub>5</sub> and d(G) <sub>5</sub> d(C) <sub>5</sub> DNA Mini-Helices and the Dickerson Dodecamer: A Density Functional Theory Study. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9343-9353.	2.6	5
2	Synthesis, spectral properties and evaluation of carboxy-functionalized 3-thiazolylcoumarins as blue-emitting fluorescent labeling reagents. <i>Tetrahedron Letters</i> , 2020, 61, 152227.	1.4	5
3	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
4	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
5	Δtationic 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
6	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
7	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
8	A new mechanism of post-transfer editing by aminoacyl-tRNA synthetases: catalysis of hydrolytic reaction by bacterial-type prolyl-tRNA synthetase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 669-682.	3.5	6
9	Luminescence of telomeric fragments of DNA macromolecule. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 639, 151-159.	0.9	1
10	Interaction of a tricationic meso-substituted porphyrin with guanine-containing polyribonucleotides of various structures. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034005.	2.3	6
11	The Spectral Properties of the Telomere Fragments. <i>Ukrainian Journal of Physics</i> , 2016, 61, 516-518.	0.2	3
12	Telomerase inhibition by new di- and trisubstituted acridine derivatives. <i>Biopolymers and Cell</i> , 2016, 32, 468-471.	0.4	1
13	Spectroscopic Studies on Binding of Porphyrin-Phenazine Conjugate to Four-Stranded Poly(G). <i>Journal of Fluorescence</i> , 2015, 25, 1013-1021.	2.5	4
14	Binding of Metallated Porphyrin-Imidazophenazine Conjugate to Tetramolecular Quadruplex Formed by Poly(G): a Spectroscopic Investigation. <i>Journal of Fluorescence</i> , 2015, 25, 1897-1904.	2.5	5
15	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
16	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
17	Self-assemblies of tricationic porphyrin on inorganic polyphosphate. <i>Biophysical Chemistry</i> , 2014, 185, 39-46.	2.8	6
18	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

#	ARTICLE	IF	CITATIONS
19	Development and characterization of porous functionalized collagen scaffolds for delivery of FGF-2. <i>Biopolymers and Cell</i> , 2014, 30, 216-222.	0.4	5
20	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
21	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
22	An efficient method of chemical modification of BODIPY core. <i>Tetrahedron</i> , 2013, 69, 2233-2238.	1.9	22
23	First clathrochelate iron and cobalt(II) tris-dioximates with reactive apical substituents. <i>Inorganic Chemistry Communication</i> , 2013, 30, 53-57.	3.9	20
24	Studies on interaction of oligoadenylates with proteins in vitro by MALDI-TOF mass spectrometry. <i>Biopolymers and Cell</i> , 2013, 29, 42-48.	0.4	6
25	Design and study of telomerase inhibitors based on G-quadruplex ligands. <i>Biopolymers and Cell</i> , 2013, 29, 169-176.	0.4	11
26	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
27	Spectroscopic Study on the Effect of Imidazophenazine Tethered to 5'-End of Pentadecathymidilate on Stability of Poly(dA)-(dT) <sub>15</sub> Duplex. <i>Journal of Fluorescence</i> , 2012, 22, 1431-1439.	2.5	4
28	Can DNA-binding proteins of replisome tautomerize nucleotide bases? An initial model study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 29, 1101-1109.	3.5	67
29	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
30	Postsynthetic Modification of Oligonucleotides with Imidazophenazine Dye and its Effect on Duplex Stability. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 585-596.	1.1	4
31	Fluorescent Studies on Cooperative Binding of Cationic Pheophorbide $\text{a}$ Derivative to Polyphosphate. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 293-299.	3.8	9
32	Refolding of ScFv-CBD fusion protein from Escherichia coli inclusion bodies. <i>Biopolymers and Cell</i> , 2008, 24, 51-59.	0.4	4
33	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
34	The functional nanostructures based on the bipolymers fragments with unidirectional energy transfer for nanophotonics. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Synthesis of 2'-5'-oligoadenylates and study on their effect on proliferation and migration of bone marrow stem cells of mice in vitro and in vivo. <i>Biopolymers and Cell</i> , 2007, 23, 14-20.	0.4	5
38	Synthesis of (2'-5')-tradenylate and their analogues using O-nucleophilic catalysis of internucleotide coupling reaction. <i>Biopolymers and Cell</i> , 2007, 23, 538-544.	0.4	6
39	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
40	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
41	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
42	Anchorage of oligonucleotide hybridization by tethered phenazine nucleoside analogue. <i>Biopolymers</i> , 2003, 72, 264-273.	2.4	12
43	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
44	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
45	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
46	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
47	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
48	Title is missing!. <i>Journal of Fluorescence</i> , 2000, 10, 49-54.	2.5	12
49	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
50	Synthesis and study of antisense oligonucleotides modified with imidazophenazine nucleosides. <i>Biopolymers and Cell</i> , 1999, 15, 367-373.	0.4	1
51	Preparation of cationic non-metallated or zinc-porphyrin-oligonucleotide fluorescent conjugates. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1998, 1, 259-267.	0.1	3
52	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
53	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
54	Interaction of cyanine dyes with nucleic acids. 4. Efficient 5'-fluorescent labelling of oligonucleotides with monomethyne pyrylium cyanine dye, <i>Cyan 39</i> . <i>Biopolymers and Cell</i> , 1998, 14, 82-86.	0.4	2

#	ARTICLE	IF	CITATIONS
55	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
56	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. <i>Biopolymers and Cell</i> , 1997, 13, 419-421.	0.4	4
57	NMR Study and Improvement of H-Phosphonate Oligonucleotide Synthesis. <i>Nucleosides &amp; Nucleotides</i> , 1990, 9, 473-477.	0.5	14
58	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
59	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