

Dmytro A Yushchenko

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,485
citations

23
h-index

38
g-index

60
ext. papers

1,747
ext. citations

5.1
avg. IF

4.47
L-index

#	Paper	IF	Citations
51	Switchable Nile red-based probe for cholesterol and lipid order at the outer leaflet of biomembranes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4907-16	16.4	262
50	Fluorescent ratiometric MFC probe sensitive to early stages of alpha-synuclein aggregation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7860-1	16.4	85
49	Excited-state intramolecular proton transfer distinguishes microenvironments in single- and double-stranded DNA. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12050-5	3.4	85
48	Photoswitchable diacylglycerols enable optical control of protein kinase C. <i>Nature Chemical Biology</i> , 2016 , 12, 755-62	11.7	83
47	Specificity and kinetics of alpha-synuclein binding to model membranes determined with fluorescent excited state intramolecular proton transfer (ESIPT) probe. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13023-32	5.4	78
46	A peptide-based, ratiometric biosensor construct for direct fluorescence detection of a protein analyte. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1864-70	6.3	66
45	The mode of β -synuclein binding to membranes depends on lipid composition and lipid to protein ratio. <i>FEBS Letters</i> , 2011 , 585, 3513-9	3.8	58
44	Modulation of excited-state intramolecular proton transfer by viscosity in protic media. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10435-8	2.8	57
43	Exclusive photorelease of signalling lipids at the plasma membrane. <i>Nature Communications</i> , 2015 , 6, 10056	17.4	49
42	2-Aryl-3-hydroxyquinolones, a new class of dyes with solvent dependent dual emission due to excited state intramolecular proton transfer. <i>New Journal of Chemistry</i> , 2006 , 30, 774-781	3.6	42
41	Synthesis and fluorescence properties of 2-aryl-3-hydroxyquinolones, a new class of dyes displaying dual fluorescence. <i>Tetrahedron Letters</i> , 2006 , 47, 905-908	2	39
40	Modulation of dual fluorescence in a 3-hydroxyquinolone dye by perturbation of its intramolecular proton transfer with solvent polarity and basicity. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 1038-44	4.2	38
39	Modification of C Terminus Provides New Insights into the Mechanism of β -Synuclein Aggregation. <i>Biophysical Journal</i> , 2017 , 113, 2182-2191	2.9	37
38	Integration of organic fluorophores in the surface of polymer-coated colloidal nanoparticles for sensing the local polarity of the environment. <i>ChemPhysChem</i> , 2012 , 13, 1030-5	3.2	33
37	Sensing of adenosine-5-triphosphate anion in aqueous solutions and mitochondria by a fluorescent 3-hydroxyflavone dye. <i>Analytical Biochemistry</i> , 2007 , 369, 218-25	3.1	32
36	Tuning excited state intramolecular proton transfer in 3-hydroxyflavone derivative by reaction of its isothiocyanate group with an amine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 192, 93-97	4.7	31
35	Endogenous Fatty Acids Are Essential Signaling Factors of Pancreatic β Cells and Insulin Secretion. <i>Diabetes</i> , 2018 , 67, 1986-1998	0.9	29

34	Steric control of the excited-state intramolecular proton transfer in 3-hydroxyquinolones: steady-state and time-resolved fluorescence study. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 8986-92	2.8	29
33	3-Hydroxybenzo[g]quinolones: dyes with red-shifted absorption and highly resolved dual emission. <i>Tetrahedron Letters</i> , 2009 , 50, 4714-4719	2	28
32	Supramolecular non-amyloid intermediates in the early stages of β synuclein aggregation. <i>Biophysical Journal</i> , 2012 , 102, 1127-36	2.9	27
31	Fluorescent dyes undergoing intramolecular proton transfer with improved sensitivity to surface charge in lipid bilayers. <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 71-6	4.2	27
30	Optical control of GPR40 signalling in pancreatic β cells. <i>Chemical Science</i> , 2017 , 8, 7604-7610	9.4	26
29	Optical tools for understanding the complexity of β cell signalling and insulin release. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 721-737	15.2	23
28	Dual-fluorescence probe of environment basicity (hydrogen bond accepting ability) displaying no sensitivity to polarity. <i>Journal of Fluorescence</i> , 2009 , 19, 545-53	2.4	21
27	β synuclein aggregation at low concentrations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 701-709	4	20
26	Genetically targetable and color-switching fluorescent probe. <i>ChemBioChem</i> , 2012 , 13, 1564-8	3.8	17
25	Environmentally sensitive probes for monitoring protein-membrane interactions at nanomolar concentrations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 852-859	3.8	16
24	Inhibition of β synuclein Amyloid Fibril Elongation by Blocking Fibril Ends. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5690-5694	16.4	16
23	3-Hydroxybenzo[g]chromones: Fluorophores with red-shifted absorbance and highly sensitive to polarity emission. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 691-698	8.5	13
22	Electronic properties of polymethine systems 9: position of soliton level in charged molecules. <i>Dyes and Pigments</i> , 2005 , 66, 223-229	4.6	13
21	T-CrAsH: a heterologous chemical crosslinker. <i>ChemBioChem</i> , 2014 , 15, 1765-8	3.8	11
20	Environment-sensitive quinolone demonstrating long-lived fluorescence and unusually slow excited-state intramolecular proton transfer kinetics. <i>Methods and Applications in Fluorescence</i> , 2016 , 4, 034004	3.1	10
19	A Ratiometric Sensor for Imaging Insulin Secretion in Single β Cells. <i>Cell Chemical Biology</i> , 2017 , 24, 525-531	12.4	9
18	Tissue clearing for optical anatomy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10949-51	16.4	9
17	Influence of Lipid Membranes on β synuclein Aggregation. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 825-830	5.7	9

16	βSynuclein Dimers as Potent Inhibitors of Fibrillization. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 10342-10351	7
15	Electronic properties of polymethine systems: geometry and electron structure of radicals. <i>Dyes and Pigments</i> , 2005 , 66, 211-221	4.6 7
14	Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in cells. <i>Chemical Communications</i> , 2019 , 55, 12288-12291	5.8 6
13	Synthesis of a Fluorescent Probe for Sensing Multiple Protein States. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 5155-5162	3.2 6
12	Structural Optimization of Inhibitors of βSynuclein Fibril Growth: Affinity to the Fibril End as a Crucial Factor. <i>Journal of Molecular Biology</i> , 2020 , 432, 967-977	6.5 6
11	Fluorescent Probe for Selective Imaging of βSynuclein Fibrils in Living Cells. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 1293-1298	5.7 5
10	Inhibition of βSynuclein Amyloid Fibril Elongation by Blocking Fibril Ends. <i>Angewandte Chemie</i> , 2018 , 130, 5792-5796	3.6 4
9	Geklētete Gewebeproben fñ die optische Anatomie. <i>Angewandte Chemie</i> , 2013 , 125, 11151-11154	3.6 3
8	Reversible spatial and temporal control of lipid signaling. <i>Chemical Communications</i> , 2020 , 56, 10646-10649	3.9 3
7	Rationally Designed Protein-Based Inhibitor of βSynuclein Fibrillization in Cells. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 6827-6837	8.3 3
6	Spectral properties of molecular charge-transfer probe QMOM. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2010 , 109, 336-341	0.7 2
5	Tailoring Fluorescent Labels for Far-Field Nanoscopy. <i>Springer Series on Fluorescence</i> , 2012 , 159-188	0.5 2
4	FRET-based assay for intracellular evaluation of βSynuclein aggregation inhibitors. <i>Journal of Neurochemistry</i> , 2021 , 159, 901-912	6 1
3	Di(benzothienyl)cyclobutenes: Toward Strained Photoswitchable Fluorophores. <i>ChemPlusChem</i> , 2020 , 85, 2084-2092	2.8 1
2	Fluorophore Multimerization as an Efficient Approach towards Bright Protein Labels. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2817-2830	3.2 1
1	Interactions of βSynuclein with Lipids and Artificial Membranes Monitored by ESIPT Probes 2011 , 1-31	