

# Dmytro Sysoiev

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

748  
citations

686830

13  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge Transport Characteristics of Diarylethene Photoswitching Single-Molecule Junctions. <i>Nano Letters</i> , 2012, 12, 3736-3742.	4.5	163
2	Nanoscopic Visualization of Soft Matter Using Fluorescent Diarylethene Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12698-12702.	7.2	106
3	Nanoscopic Visualization of Cross-Linking Density in Polymer Networks with Diarylethene Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12280-12284.	7.2	72
4	Charge Transport in Azobenzene-Based Single-Molecule Junctions. <i>Physical Review Letters</i> , 2012, 109, 226801.	2.9	64
5	Fluorescent Diarylethene Photoswitches—A Universal Tool for Super-Resolution Microscopy in Nanostructured Materials. <i>Small</i> , 2018, 14, 1703333.	5.2	64
6	Reversible Switching Phenomenon in Diarylethene Molecular Devices with Reduced Graphene Oxide Electrodes on Flexible Substrates. <i>Advanced Functional Materials</i> , 2015, 25, 5918-5923.	7.8	39
7	Current-voltage characteristics of single-molecule diarylethene junctions measured with adjustable gold electrodes in solution. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 798-808.	1.5	38
8	Visualizing the Role of Molecular Orbitals in Charge Transport through Individual Diarylethene Isomers. <i>ACS Nano</i> , 2016, 10, 10555-10562.	7.3	32
9	Synthesis and Photoswitching Studies of Difurylperfluorocyclopentenes with Extended $\pi$ -Systems. <i>Chemistry - A European Journal</i> , 2011, 17, 6663-6672.	1.7	30
10	Nanoskopische Bildgebung weicher Materie mittels fluoreszierender Diarylethen-Photoschalter. <i>Angewandte Chemie</i> , 2016, 128, 12890-12894.	1.6	21
11	Disentangling electron- and electric-field-induced ring-closing reactions in a diarylethene derivative on Ag(111). <i>Journal of Physics Condensed Matter</i> , 2017, 29, 294001.	0.7	18
12	Role of solvents in the electronic transport properties of single-molecule junctions. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1055-1067.	1.5	17
13	Pronounced effects on switching efficiency of diarylcycloalkenes upon cycloalkene ring contraction. <i>Chemical Communications</i> , 2012, 48, 11355.	2.2	16
14	Optically controlled properties of nanoparticles stabilised by photochromic difurylethene-based diarylethenes. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016, 47, 229-236.	0.5	12
15	Inelastic electron tunneling spectroscopy of difurylethene-based photochromic single-molecule junctions. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2606-2614.	1.5	11
16	Optical properties of gold nanoparticles decorated with furan-based diarylethene photochromic molecules. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 342, 78-84.	2.0	9
17	Features of 3-amino-5-methylisoxazole in heterocyclizations involving pyruvic acids. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 78-89.	0.6	8
18	Nanoskopische Bildgebung der Vernetzungsdichte in Polymernetzwerken mittels Diarylethen-Photoschaltern. <i>Angewandte Chemie</i> , 2018, 130, 12460-12464.	1.6	7

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19	Ultrasonic-assisted unusual four-component synthesis of 7-azolylamino-4,5,6,7-tetrahydroazolo[1,5- <i>c</i> ]pyrimidines. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 281-289.	1.3	7
20	Ultrafast ring-closing reaction dynamics of a photochromic furan-based difurylene. <i>Chemical Physics Letters</i> , 2017, 669, 156-160.	1.2	3
21	Basic enemies of photochromism: irreversible transformation of fluorinated diarylethenes to polyenic enamines and enols. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1511-1516.	1.6	3
22	Di(benzothienyl)cyclobutenes: Toward Strained Photoswitchable Fluorophores. <i>ChemPlusChem</i> , 2020, 85, 2084-2092.	1.3	3
23	Where do the counterions go? Tip-induced dissociation of self-assembled triazatriangulenium-based molecules on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9930-9937.	1.3	2
24	Synthesis of 1-(3-(1-substituted-1,2,3-triazol-4-yl)-1,2,4-triazol-5-yl)-1H-tetrazoles by Sequential Assembly of Azole Fragments. <i>ChemistrySelect</i> , 2021, 6, 12890-12894.	0.7	2
25	Photochromic difurylene bisaldehyde as potential building block for [AA] and [AB] <sub>2</sub> macrocyclization. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 792-794.	0.6	1