Olga A Stasyuk

List of Publications by Year
in descending order

44	1,181	516710 16	395702 33
papers	citations	h-index	g-index

47	47	47	1264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aromaticity from the Viewpoint of Molecular Geometry: Application to Planar Systems. Chemical Reviews, 2014, 114, 6383-6422.	47.7	439
2	Cyclo[18]carbon: the smallest all-carbon electron acceptor. Chemical Communications, 2020, 56, 352-355.	4.1	78
3	Comparison of the DFT-SAPT and Canonical EDA Schemes for the Energy Decomposition of Various Types of Noncovalent Interactions. Journal of Chemical Theory and Computation, 2018, 14, 3440-3450.	5.3	74
4	How amino and nitro substituents direct electrophilic aromatic substitution in benzene: an explanation with Kohnâ€“Sham molecular orbital theory and Voronoi deformation density analysis. Physical Chemistry Chemical Physics, 2016, 18, 11624-11633.	2.8	46
5	Towards physical interpretation of substituent effects: the case of meta- and para-substituted anilines. Physical Chemistry Chemical Physics, 2016, 18, 11711-11721.	2.8	43
6	Theoretical study of electron-attracting ability of the nitro group: classical and reverse substituent effects. Structural Chemistry, 2015, 26, 905-913.	2.0	39
7	Allâ€Fullerene Electron Donorâ€“Acceptor Conjugates. Angewandte Chemie - International Edition, 2019, 58, 6932-6937.	13.8	35
8	Effect of the H-Bonding on Aromaticity of Purine Tautomers. Journal of Organic Chemistry, 2012, 77, 4035-4045.	3.2	32
9	Hypsochromic solvent shift of the charge separation band in ionic donorâ€“acceptor Li⁺@C₆₀âŠ‚[10]CPP. Chemical Communications, 2019, 55, 11195-11198.	4.1	23
10	Tautomerisation of thymine acts against the HÃ¼ckel 4N + 2 rule. The effect of metal ions and H-bond complexations on the electronic structure of thymine. Organic and Biomolecular Chemistry, 2014, 12, 6476-6483.	2.8	22
11	Noncovalent Interactions in Specific Recognition Motifs of Proteinâ€“DNA Complexes. Journal of Chemical Theory and Computation, 2017, 13, 877-885.	5.3	22
12	Photoinduced electron transfer and unusual environmental effects in fullereneâ€“Zn-porphyrinâ€“BODIPY triads. Physical Chemistry Chemical Physics, 2019, 21, 25098-25107.	2.8	22
13	Effect of H-bonding and complexation with metal ions on the Ï€-electron structure of adenine tautomers. Organic and Biomolecular Chemistry, 2014, 12, 456-466.	2.8	21
14	Effect of Intra- and Intermolecular Interactions on the Properties of para-Substituted Nitrobenzene Derivatives. Crystals, 2016, 6, 29.	2.2	19
15	Stereocontrolled Photoinduced Electron Transfer in Metalâ€Fullerene Hybrids. Chemistry - A European Journal, 2018, 24, 13020-13025.	3.3	17
16	Why 1,2-quinone derivatives are more stable than their 2,3-analogues?. Theoretical Chemistry Accounts, 2015, 134, 1.	1.4	16
17	Calculating the Aromaticity of Heterocycles. Advances in Heterocyclic Chemistry, 2016, , 301-327.	1.7	16
18	New Insight into the Nature of Bonding in the Dimers of Lappertâ€™s Stannylene and Its Ge Analogs: A Quantum Mechanical Study. Journal of Chemical Theory and Computation, 2016, 12, 1696-1704.	5.3	16

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19	Photoinduced electron transfer in nanotubeâŠƒC₇₀ inclusion complexes: phenine vs. nanographene nanotubes. Chemical Communications, 2020, 56, 12624-12627.	4.1	16
20	Electron Transfer in a Li⁺-Doped Zn-Porphyrinâ€“[10]CPPâŠƒFullerene Junction and Charge-Separated Bands with Opposite Response to Polar Environments. Journal of Physical Chemistry B, 2020, 124, 9095-9102.	2.6	16
21	Effect of Alkali Metal Cations on Length and Strength of Hydrogen Bonds in DNA Base Pairs. ChemPhysChem, 2020, 21, 2112-2126.	2.1	15
22	Photoinduced Charge Shift in Li⁺-Doped Giant Nested Fullerenes. Journal of Physical Chemistry C, 2019, 123, 16525-16532.	3.1	13
23	Allâ€Fullerene Electron Donorâ€“Acceptor Conjugates. Angewandte Chemie, 2019, 131, 7006-7011.	2.0	13
24	Aromaticity of H-bonded and metal complexes of guanine tautomers. Structural Chemistry, 2016, 27, 111-118.	2.0	10
25	Triquinoleneâ€•versus Fullereneâ€Based Cycloparaphenylene Ionic Complexes: Comparison of Photoinduced Chargeâ€Shift Reactions. Chemistry - A European Journal, 2020, 26, 10896-10902.	3.3	10
26	[10]CPPâ€Based Inclusion Complexes of Charged Fulleropyrrolidines. Effect of the Charge Location on the Photoinduced Electron Transfer. Chemistry - A European Journal, 2021, 27, 8737-8744.	3.3	10
27	Substituent Effects in Heterocyclic Systems. Advances in Heterocyclic Chemistry, 2015, 116, 137-192.	1.7	9
28	Peculiar Photoinduced Electron Transfer in Porphyrinâ€“Fullerene Akamptisomers. Chemistry - A European Journal, 2019, 25, 2577-2585.	3.3	9
29	Photoinduced electron transfer in mechanically interlocked suit[3]ane systems. Journal of Materials Chemistry C, 2021, 9, 9436-9445.	5.5	9
30	The Hunter Falls Prey: Photoinduced Oxidation of C₆₀ in Inclusion Complex with Perfluorocycloparaphenylene. ChemPhysChem, 2022, 23, .	2.1	9
31	Photoinduced electron transfer in nano-Saturn complexes of fullerene. Physical Chemistry Chemical Physics, 2021, 23, 2126-2133.	2.8	8
32	Metal Complexation and H-bonding Effects on Electronic Structure of Cytosine Studied in the Gas Phase. Croatica Chemica Acta, 2014, 87, 335-342.	0.4	7
33	Aromaticity of nucleic acid bases. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2021, 11, e1509.	14.6	7
34	How Do Defects in Carbon Nanostructures Regulate the Photoinduced Electron Transfer Processes? The Case of Phenine Nanotubes. ChemPhysChem, 2021, 22, 1178-1186.	2.1	7
35	Interactions of polar hydrogen bond donor solvents with ions: a theoretical study. Structural Chemistry, 2016, 27, 1279-1289.	2.0	6
36	Covalent Functionalization of Single-Walled Carbon Nanotubes by the Bingel Reaction for Building Charge-Transfer Complexes. Journal of Organic Chemistry, 2020, 85, 11721-11731.	3.2	6

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37	Substituted adenine quartets: interplay between substituent effect, hydrogen bonding, and aromaticity. RSC Advances, 2020, 10, 23350-23358.	3.6	6
38	Nitrogen-doped molecular bowls as electron donors in photoinduced electron transfer reactions. Nanoscale Advances, 2022, 4, 2180-2188.	4.6	6
39	Towards physical interpretation of substituent effects: the case of N- and C3-substituted pyrrole derivatives. Structural Chemistry, 2017, 28, 1223-1227.	2.0	3
40	Photoinduced electron transfer in non-covalent complexes of C60 and phosphangulene oxide derivatives. Dalton Transactions, 2021, 50, 16214-16222.	3.3	3
41	InnenrÃ¼cktitelbild: Allâ€Fullerene Electron Donorâ€“Acceptor Conjugates (Angew. Chem. 21/2019). Angewandte Chemie, 2019, 131, 7217-7217.	2.0	1
42	(Invited) Photoinduced Charge Separation in Several Dyads Involving Fullerenes. ECS Meeting Abstracts, 2019, , .	0.0	0
43	(Invited) Reactivity of Li+@C60@C240 and Photoinduced Charge Shift in Li+ Doped Giant Nested Fullerenes. ECS Meeting Abstracts, 2020, MA2020-01, 809-809.	0.0	0
44	Effect of Diamine Bridge on Reactivity of Tetradentate ONNO Nickel(II) Complexes. ChemPhysChem, 2022, 23, .	2.1	0