

# Irina A Rostovtseva

## List of Publications by Year in descending order

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32  
papers

298  
citations

759233

12  
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940533

16  
g-index

32  
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32  
docs citations

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times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal complexes of new photochromic chelator: Structure, stability and photodissociation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 265, 1-9.	3.9	30
2	Visible to near-IR molecular switches based on photochromic indoline spiropyrans with a conjugated cationic fragment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118041.	3.9	24
3	Novel polychromogenic fluorine-substituted spiropyrans demonstrating either uni- or bidirectional photochromism as multipurpose molecular switches. <i>Dyes and Pigments</i> , 2022, 199, 110043.	3.7	19
4	Synthesis, structure and photochromic properties of indoline spiropyrans with electron-withdrawing substituents. <i>Journal of Molecular Structure</i> , 2021, 1229, 129615.	3.6	18
5	New indoline spiropyrans with highly stable merocyanine forms. <i>Mendeleev Communications</i> , 2021, 31, 403-406.	1.6	17
6	Photocyclization of diarylethenes: the effect of imidazole on the oxidative photodegradation process. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1101-1109.	2.9	16
7	New photochromic indoline spiropyrans containing cationic substituent in the 2H-chromene moiety. <i>Journal of Molecular Structure</i> , 2019, 1178, 590-598.	3.6	16
8	Benzothiazolyl substituted spiropyrans with ion-driven photochromic transformation. <i>Dyes and Pigments</i> , 2020, 178, 108337.	3.7	16
9	Semipermanent merocyanines of spirocyclic compounds: Photochromic equilibrium. <i>Dyes and Pigments</i> , 2021, 186, 109070.	3.7	16
10	Polychromogenic molecular systems based on photo- and ionochromic spiropyrans. <i>Dyes and Pigments</i> , 2018, 158, 506-516.	3.7	15
11	Synthesis and study of new photochromic spiropyrans modified with carboxylic and aldehyde substituents. <i>Journal of Molecular Structure</i> , 2019, 1196, 409-416.	3.6	13
12	Novel molecular hybrids of indoline spiropyrans and L-lipoic acid as potential photopharmacological agents: Synthesis, structure, photochromic and biological properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 31, 127709.	2.2	13
13	Synthesis, structure and photochromic properties of novel highly functionalized spiropyrans of 1,3-benzoxazin-4-one series. <i>Journal of Molecular Structure</i> , 2018, 1161, 18-25.	3.6	11
14	A new approach to the synthesis of the sterically crowded photostable and fluorescent triphenodioxazines. <i>Dyes and Pigments</i> , 2020, 176, 108174.	3.7	11
15	Structure and Properties of 1,3,3-Trimethyl-6-chlorospiro[indoline-2,2'-2H-chromene]. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1297-1304.	0.8	9
16	Spiropyrans and spirooxazines 10. Synthesis of photochromic 5-(1,3-benzoxazol-2-yl)-substituted spiro[indoline-naphthopyrans]. <i>Russian Chemical Bulletin</i> , 2014, 63, 1373-1377.	1.5	8
17	Photo-controlled bipolar absorption switches based on 5-dimethylamino substituted indoline spiropyrans with semipermanent merocyanines. <i>New Journal of Chemistry</i> , 2021, 45, 13529-13538.	2.8	8
18	New indoline spiropyrans containing azomethine fragment. <i>Russian Chemical Bulletin</i> , 2017, 66, 2122-2125.	1.5	6

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19	Spiropyran and spirooxazines. Russian Chemical Bulletin, 2015, 64, 677-682.	1.5	5
20	Spiropyran and spirooxazines 12. Synthesis and complexation of a rhodamine-substituted spiro[benzopyran-indoline]. Russian Chemical Bulletin, 2016, 65, 2895-2900.	1.5	5
21	Synthesis and complex formation of spirobenzopyranindolines containing rhodamine fragment. Russian Journal of General Chemistry, 2017, 87, 1007-1014.	0.8	4
22	Synthesis and Complex Formation of Rhodamine-Substituted Spirobenzopyranindolines. Russian Journal of General Chemistry, 2018, 88, 968-972.	0.8	4
23	New Photochromic Salt Spiropyran with Benzyl Substituent. Doklady Chemistry, 2018, 482, 220-224.	0.9	3
24	Photodynamic chromogenic system based on photo- and ionochromic 8-(1,3-benzoxazol-2-yl)-substituted spirobenzopyran. Doklady Chemistry, 2016, 471, 368-372.	0.9	2
25	Quantum-chemical study of spiro[indoline-2,2'-[2H]-chromenes] and their complexes with a silver cluster. Doklady Chemistry, 2017, 474, 121-125.	0.9	2
26	New Photochromic Spiropyran with ortho-Hydroxyaldimine Substituent. Doklady Chemistry, 2018, 482, 229-232.	0.9	2
27	New Photochromic Salt Spiropyran of Indoline Series. Doklady Chemistry, 2019, 484, 58-63.	0.9	2
28	Photo- and Ionochromism of Benzoxazolyl-Substituted Spirobenzopyrans. Doklady Chemistry, 2018, 478, 26-30.	0.9	1
29	Novel Spirocyclic Condensation Products of Gossypol and Fischer's Bases. Chemistry of Natural Compounds, 2018, 54, 1081-1084.	0.8	1
30	New indoline spiropyran with highly stable merocyanine forms. Mendeleev Communications, 2021, 31, 403-406.	1.6	1
31	Spiropyran and spirooxazines 13. Synthesis and photochromic properties of benzoxazolyl-substituted spirobenzopyrans. Russian Chemical Bulletin, 2018, 67, 1476-1481.	1.5	0
32	Adducts of Zinc(II) Acetylacetonate with Various Aminoquinolines: Synthesis, Structure and Luminescence. ChemistrySelect, 2019, 4, 2607-2609.	1.5	0