

# Irina A Rostovtseva

## List of Publications by Year in descending order

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32  
papers

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citations

759233

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docs citations

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times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel polychromogenic fluorine-substituted spiopyrans demonstrating either uni- or bidirectional photochromism as multipurpose molecular switches. <i>Dyes and Pigments</i> , 2022, 199, 110043.	3.7	19
2	Synthesis, structure and photochromic properties of indoline spiopyrans with electron-withdrawing substituents. <i>Journal of Molecular Structure</i> , 2021, 1229, 129615.	3.6	18
3	Semipermanent merocyanines of spirocyclic compounds: Photochromic equilibrium. <i>Dyes and Pigments</i> , 2021, 186, 109070.	3.7	16
4	Novel molecular hybrids of indoline spiopyrans and $\alpha$ -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
5	Photo-controlled bipolar absorption switches based on 5-dimethylamino substituted indoline spiopyrans with semipermanent merocyanines. <i>New Journal of Chemistry</i> , 2021, 45, 13529-13538.	2.8	8
6	New indoline spiopyrans with highly stable merocyanine forms. <i>Mendeleev Communications</i> , 2021, 31, 403-406.	1.6	1
7	New indoline spiopyrans with highly stable merocyanine forms. <i>Mendeleev Communications</i> , 2021, 31, 403-406.	1.6	17
8	Structure and Properties of 1,3,3-Trimethyl-6-chlorospiro[indoline-2,2'-chromene]. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1297-1304.	0.8	9
9	Visible to near-IR molecular switches based on photochromic indoline spiopyrans with a conjugated cationic fragment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118041.	3.9	24
10	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
11	Benzothiazolyl substituted spiopyrans with ion-driven photochromic transformation. <i>Dyes and Pigments</i> , 2020, 178, 108337.	3.7	16
12	Synthesis and study of new photochromic spiopyrans modified with carboxylic and aldehyde substituents. <i>Journal of Molecular Structure</i> , 2019, 1196, 409-416.	3.6	13
13	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
14	New Photochromic Salt Spiopyrans of Indoline Series. <i>Doklady Chemistry</i> , 2019, 484, 58-63.	0.9	2
15	Adducts of Zinc(II) Acetylacetonate with Various Aminoquinolines: Synthesis, Structure and Luminescence. <i>ChemistrySelect</i> , 2019, 4, 2607-2609.	1.5	0
16	New photochromic indoline spiopyrans containing cationic substituent in the 2H-chromene moiety. <i>Journal of Molecular Structure</i> , 2019, 1178, 590-598.	3.6	16
17	Synthesis, structure and photochromic properties of novel highly functionalized spiopyrans of 1,3-benzoxazin-4-one series. <i>Journal of Molecular Structure</i> , 2018, 1161, 18-25.	3.6	11
18	Photo- and Ionochromism of Benzoxazolyl-Substituted Spirobenzopyrans. <i>Doklady Chemistry</i> , 2018, 478, 26-30.	0.9	1

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19	New Photochromic Spiropyrans with ortho-Hydroxyaldimine Substituent. Doklady Chemistry, 2018, 482, 229-232.	0.9	2
20	Novel Spirocyclic Condensation Products of Gossypol and Fischer's Bases. Chemistry of Natural Compounds, 2018, 54, 1081-1084.	0.8	1
21	New Photochromic Salt Spiropyran with Benzyl Substituent. Doklady Chemistry, 2018, 482, 220-224.	0.9	3
22	Spiropyrans and spirooxazines 13. Synthesis and photochromic properties of benzoxazolyl-substituted spirobenzopyrans. Russian Chemical Bulletin, 2018, 67, 1476-1481.	1.5	0
23	Polychromogenic molecular systems based on photo- and ionochromic spiropyrans. Dyes and Pigments, 2018, 158, 506-516.	3.7	15
24	Synthesis and Complex Formation of Rhodamine-Substituted Spirobenzopyranindolines. Russian Journal of General Chemistry, 2018, 88, 968-972.	0.8	4
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	Synthesis and complex formation of spirobenzopyranindolines containing rhodamine fragment. Russian Journal of General Chemistry, 2017, 87, 1007-1014.	0.8	4
27	New indoline spiropyrans containing azomethine fragment. Russian Chemical Bulletin, 2017, 66, 2122-2125.	1.5	6
28	Spiropyrans and spirooxazines 12. Synthesis and complexation of a rhodamine-substituted spiro[benzopyran-indoline]. Russian Chemical Bulletin, 2016, 65, 2895-2900.	1.5	5
29	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
30	Spiropyrans and spirooxazines. Russian Chemical Bulletin, 2015, 64, 677-682.	1.5	5
31	Spiropyrans and spirooxazines 10. Synthesis of photochromic 5-(1,3-benzoxazol-2-yl)-substituted spiro[indoline-naphthopyrans]. Russian Chemical Bulletin, 2014, 63, 1373-1377.	1.5	8
32	Metal complexes of new photochromic chelator: Structure, stability and photodissociation. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 265, 1-9.	3.9	30