

Sergey Aldoshin

List of Publications by Year in Descending Order

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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.

321
papers

1,837
citations

19
h-index

26
g-index

341
ext. papers

2,224
ext. citations

1.8
avg, IF

4.79
L-index

#	Paper	IF	Citations
321	A novel photochromic hetarylalkylideneisocromandione system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 427, 113793	4.7	0
320	Novel polychromogenic fluorine-substituted spiropyran demonstrating either uni- or bidirectional photochromism as multipurpose molecular switches. <i>Dyes and Pigments</i> , 2022 , 199, 110043	4.6	0
319	Synthesis and Molecular Structure of 3-[N-Acetyl(3,5-dimethylphenyl)amino]-5,7-di(tert-butyl)-2-{5,8-dimethyl-4-[(3,5-dimethylphenyl)amino]quinolin-2-yl}triazole. <i>Russian Journal of General Chemistry</i> , 2022 , 92, 206-211		
318	Exchange interaction of Mo with 3d and 4d metals in complexes with dithioamide: a theoretical modeling. <i>Russian Chemical Bulletin</i> , 2022 , 71, 819-823	1.7	
317	Cocrystallizate of ECL-20 with Water and Hydrogen Peroxide as a Potential Component of Solid Composite Propellants. <i>Russian Journal of Physical Chemistry B</i> , 2022 , 16, 300-307	1.2	0
316	Towards the design of molecular cells for quantum cellular automata: critical reconsideration of the parameter regime for achieving functionality.. <i>Dalton Transactions</i> , 2021 , 51, 286-302	4.3	1
315	1H-indole-based chemosensors for the sequential recognition of Hg ²⁺ and CN ⁻ ions. <i>Tetrahedron</i> , 2021 , 84, 132030	2.4	1
314	Amazing example of the retention of an unusual domed structure of PdII 3,5-di(tert-butyl)-2-oxyazobenzene in the crystal and gas phase. <i>Russian Chemical Bulletin</i> , 2021 , 70, 847-856	1.7	1
313	Physical Methods for Studying Chemical Reactions: New Non-Catalytic Methods for Processing Hydrocarbon Gases. <i>Russian Journal of Physical Chemistry B</i> , 2021 , 15, 498-505	1.2	1
312	In Quest of Molecular Materials for Quantum Cellular Automata: Exploration of the Double Exchange in the Two-Mode Vibronic Model of a Dimeric Mixed Valence Cell. <i>Magnetochemistry</i> , 2021 , 7, 66	3.1	1
311	Comparative Structural Study and Molecular Docking of Indoline Spiropyran Containing Lipoic Acid Fragment. <i>Doklady Chemistry</i> , 2021 , 498, 104-111	0.8	0
310	Insight Into The Spin-Vibronic Problem of a Mixed Valence Magnetic Molecular Cell for Quantum Cellular Automata. <i>ChemPhysChem</i> , 2021 , 22, 1754-1768	3.2	0
309	Synthesis, structure and photochromic properties of indoline spiropyran with electron-withdrawing substituents. <i>Journal of Molecular Structure</i> , 2021 , 1229, 129615	3.4	7
308	Synthesis, crystal molecular structure, and magnetic characteristics of coordination polymers formed by Co(II) diketonates with pentaheterocyclic triphenodioxazines. <i>New Journal of Chemistry</i> , 2021 , 45, 304-313	3.6	3
307	Mixed-valence clusters: Prospects for single-molecule magnetoelectrics. <i>Coordination Chemistry Reviews</i> , 2021 , 426, 213555	23.2	11
306	Spectacular Enhancement of the Thermal and Photochemical Stability of MAPbI ₃ Perovskite Films Using Functionalized Tetraazaadamantane as a Molecular Modifier. <i>Energies</i> , 2021 , 14, 669	3.1	0
305	Dissociation of dinitrogen on iron clusters: a detailed study of the Fe + N case. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 2166-2178	3.6	3

304	Highly sensitive and selective ammonia gas sensor based on FAPbCl ₃ lead halide perovskites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2561-2568	7.1	5
303	Synthesis and study of new indoline spiropyran and its derivative with Hippic acid exhibiting low cytotoxicity. <i>Russian Chemical Bulletin</i> , 2021 , 70, 1388-1393	1.7	2
302	Structure and Properties of 1,3,3-Trimethyl-6 π -chlorospiro[indoline-2,2'-2H-chromene]. <i>Russian Journal of General Chemistry</i> , 2021 , 91, 1297-1304	0.7	3
301	Evolution of Ferromagnetic and Antiferromagnetic States in Iron Nitride Clusters FeN and FeN (= 1-10). <i>Journal of Physical Chemistry A</i> , 2021 , 125, 7891-7899	2.8	0
300	Toward multifunctional molecular cells for quantum cellular automata: exploitation of interconnected charge and spin degrees of freedom. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 14511-14528	3.6	6
299	Field-induced single-ion magnet based on a quasi-octahedral Co(II) complex with mixed sulfur-oxygen coordination environment. <i>Dalton Transactions</i> , 2021 , 50, 13815-13822	4.3	0
298	Structures of spiropyrans exhibiting photochromic properties in the solid state. <i>Russian Chemical Bulletin</i> , 2021 , 70, 2090-2099	1.7	3
297	Quantum chemical study of the unusual structure of 3d metal complexes in the gas phase. <i>Russian Chemical Bulletin</i> , 2021 , 70, 2324-2331	1.7	
296	Synthesis and Crystal Structure of Iron(II) and Cobalt(III) Complexes with Hetarylhydrazone Derived from o-Diphenylphosphinobenzaldehyde and 1-Hydrazinophthalazine. <i>Doklady Chemistry</i> , 2021 , 501, 249-254	0.8	
295	A parametric two-mode vibronic model of a dimeric mixed-valence cell for molecular quantum cellular automata and computational verification. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25982-25999	3.6	6
294	Mixed-Valence Magnetic Molecular Cell for Quantum Cellular Automata: Prospects of Designing Multifunctional Devices through Exploration of Double Exchange. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25602-25614	3.8	4
293	Incorporation of Vanadium(V) Oxide in Hybrid Hole Transport Layer Enables Long-term Operational Stability of Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5563-5568	6.4	12
292	Synthesis, Structure and Magnetic Properties of Mn ₂ Tb ₂ Tetranuclear Complex with p-tert-Butylthiacalix[4]arene. <i>Israel Journal of Chemistry</i> , 2020 , 60, 600-606	3.4	1
291	Molecule Based Materials for Quantum Cellular Automata: A Short Overview and Challenging Problems. <i>Israel Journal of Chemistry</i> , 2020 , 60, 527-543	3.4	6
290	Effect of polymorphic phase transitions on stability of energetic compounds. Thermal transformations of 2,4,6-tris(2,2,2-trinitroethylnitramino)-1,3,5-triazine. <i>Russian Chemical Bulletin</i> , 2020 , 69, 118-124	1.7	4
289	Intrinsic thermal decomposition pathways of lead halide perovskites APbX ₃ . <i>Solar Energy Materials and Solar Cells</i> , 2020 , 213, 110559	6.4	27
288	Thermochemical and Energy Characteristics of Dimers of Terfurazanoazepines. <i>Combustion, Explosion and Shock Waves</i> , 2020 , 56, 621-628	1	0
287	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	4.4	13

286	Light or Heat: What Is Killing Lead Halide Perovskites under Solar Cell Operation Conditions?. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 333-339	6.4	54
285	Exploration of the double exchange in quantum cellular automata: proposal for a new class of cells. <i>Chemical Communications</i> , 2020 , 56, 10682-10685	5.8	5
284	Field-induced SIM behaviour of a Co(II) complex with a 1,1'-diacetylferrocene-derived ligand. <i>Dalton Transactions</i> , 2020 , 49, 15592-15596	4.3	1
283	Effect of Rigidity of a Polymer Matrix on the Photochemical Transformations of Photochromic Compounds. <i>Polymer Science - Series B</i> , 2020 , 62, 350-361	0.8	
282	Film Deposition Techniques Impact the Defect Density and Photostability of MAPbI ₃ Perovskite Films. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21378-21385	3.8	10
281	Synthesis and highly efficient light-induced rearrangements of diphenylmethylen(2-benzothienyl)fulgides and fulgimides. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 1820-1829	2.5	1
280	Influence of back donation effects on the structure of ZnO nanoclusters. <i>Journal of Computational Chemistry</i> , 2020 , 41, 2583-2590	3.5	1
279	Can the Double Exchange Cause Antiferromagnetic Spin Alignment?. <i>Magnetochemistry</i> , 2020 , 6, 36	3.1	2
278	New Photochromic Salt Spiropyran of Indoline Series. <i>Doklady Chemistry</i> , 2019 , 484, 58-63	0.8	0
277	Field-induced single-ion magnet behaviour of a hexacoordinated Co(ii) complex with easy-axis-type magnetic anisotropy. <i>Dalton Transactions</i> , 2019 , 48, 6960-6970	4.3	18
276	Synthesis, structure and antitumor activity of the binuclear tetranitrosyl iron complex with 2-mercaptobenzthiazole as the nitric oxide donor (NO). <i>Journal of Coordination Chemistry</i> , 2019 , 72, 972-986	1.6	2
275	Anticancer Activity of Dinitrosyl Iron Complex (NO Donor) on the Multiple Myeloma Cells. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 486, 238-242	0.8	4
274	Semiclassical versus quantum-mechanical vibronic approach in the analysis of the functional characteristics of molecular quantum cellular automata. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 16751-16761	3.6	8
273	TDDFT-modeling of theoretical UV spectra of binuclear sulfur-containing iron nitrosyl clusters and products of their decomposition. <i>Russian Chemical Bulletin</i> , 2019 , 68, 2190-2196	1.7	1
272	Kinetic Fundamental Aspects of Heat Release in Thermal Decomposition of 7-Amino-7H-difurazano[3,4-b:3'4'-f] furoxano[3'4'-d]azepine and Binary Fuel on Its Basis. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1696-1704	0.8	1
271	One-Pot Synthesis and Structure Study of a New Indoline Spiropyran with Cationic Substituent. <i>Doklady Chemistry</i> , 2019 , 488, 252-256	0.8	1
270	Potassium Salt of Fullerenylpenta-N-Dihydroxytyrosine Effects on Type 2 Diabetes Mellitus Therapeutic Targets. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 488, 320-323	0.8	2
269	Purely Spectroscopic Determination of the Spin Hamiltonian Parameters in High-Spin Six-Coordinated Cobalt(II) Complexes with Large Zero-Field Splitting. <i>Inorganic Chemistry</i> , 2019 , 58, 16434-16444	5.1	10

268	Antioxidant Activity of Tetranitrosyl Iron Complex with Thiosulfate Ligands and Its Effect on Catalytic Activity of Mitochondrial Enzymes In vitro. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 488, 342-345	0.8	3
267	Hydrogenation of 3d-metal oxide clusters: Effects on the structure and magnetic properties. <i>Journal of Computational Chemistry</i> , 2019 , 40, 562-571	3.5	0
266	Crystal Structure of the Polymer Copper(II) Complex with 1-Phenyl-3-Methyl-4-Formyl-5-Hydroxypyrazole Hetarylhydrazone. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018 , 44, 132-137	1.6	3
265	Standard Enthalpy of Formation of the Bimolecular Crystal of CL-20 with Tris-Oxadiazolo-Azepine and Its Thermal Stability. <i>Combustion, Explosion and Shock Waves</i> , 2018 , 54, 89-96	1	0
264	Synthesis and Molecular Structures of (3-Hydroxy, 3-Chloro, 3-Arylamino)-N-acetyl-3-arylaminotropones. <i>Crystallography Reports</i> , 2018 , 63, 65-73	0.6	1
263	Synthesis, structure and proton conductivity of 2,4,5-trimethylbenzenesulfonic acid dihydrate. <i>New Journal of Chemistry</i> , 2018 , 42, 7428-7438	3.6	2
262	Structure of 2-(benzoxazole-2-yl)-5,7-di(tert-butyl)-4-nitro-1,3-tropolone. <i>Journal of Structural Chemistry</i> , 2018 , 59, 197-200	0.9	3
261	Modification of polymer surfaces based on polyurethanes with photochromic compounds. <i>Russian Chemical Bulletin</i> , 2018 , 67, 535-541	1.7	2
260	New Salt Spiropyran of Indoline Series with Fluorine Substituent. <i>Doklady Chemistry</i> , 2018 , 480, 81-84	0.8	4
259	Synthesis of oxalic acid derivatives and their antitumor activity in experiments in vivo. <i>Russian Chemical Bulletin</i> , 2018 , 67, 694-699	1.7	2
258	Dependence of Properties and Exchange Coupling Constants on the Charge in the MnO and FeO Series. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 5644-5655	2.8	4
257	Crystal Structure of Two-Dimensional Coordination Polymer $[[\text{Cu}(\text{dps})_2(\text{DMSO})_2](\text{ClO}_4)_2]_n$ Derived from 4,4'-Dipyridyl Sulfide. <i>Doklady Chemistry</i> , 2018 , 483, 304-307	0.8	
256	A Multifunctional Photochromic Light-Modulating Polymer Film. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 2773-2786	0.7	2
255	Stabilization of dinitrosyl iron complexes under matrix isolation conditions: solvent and polymer effects on the synthesis of composites based on poly(methyl methacrylate) and iron complexes $[\text{Fe}_2(\text{ENCS-R})_2(\text{NO})_4]$. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1631-1638	1.7	
254	New Photochromic Salt Spiropyran with Benzyl Substituent. <i>Doklady Chemistry</i> , 2018 , 482, 220-224	0.8	2
253	Effect of Dinitrosyl Iron Complexes (NO Donors) on the Metabolic Processes in Human Fibroblasts. <i>Doklady Biochemistry and Biophysics</i> , 2018 , 483, 337-340	0.8	4
252	Synthesis and structure of 6-azido-2,4-bis(2,2,2-trinitroethylamino)-1,3,5-triazine and its N-nitro derivatives. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1891-1898	1.7	4
251	Steric Heavy Atom Effect on Magnetic Anisotropy of Triplet Tribromophenyl Nitrenes. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8931-8937	2.8	5

250	Transitions from Stable to Metastable States in the CrO and CrO Series, n = 1-14. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 845-854	2.8	10
249	Some new trends in the design of single molecule magnets. <i>Pure and Applied Chemistry</i> , 2017 , 89, 1119-1143	1.4	11
248	Evidence of field induced slow magnetic relaxation in cis-[Co(hfac)(HO)] exhibiting tri-axial anisotropy with a negative axial component. <i>Dalton Transactions</i> , 2017 , 46, 7540-7548	4.3	33
247	Molecular and crystal structure of a cationic dinitrosyl iron complex with 1,3-dimethylthiourea. <i>Journal of Structural Chemistry</i> , 2017 , 58, 353-355	0.9	10
246	Unexpected synthesis of a novel heterocyclic system \square (7E,10aE)-2,7-Dimethylfuro[3,4:6,7]cycloocta[1,2,3-cd]indole-8,10(2H,6H)-dione. <i>Tetrahedron Letters</i> , 2017 , 58, 2648-2650	2	
245	Structure of a bimolecular crystal of 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane and methoxy-NNO-azoxymethane. <i>Journal of Structural Chemistry</i> , 2017 , 58, 113-118	0.9	11
244	Quantum-chemical modeling of exchange coupling in the magnetic sublattice of bifunctional compounds containing heterometallic complexes of 3d and 4d metals with oxalate and dithiooxamide ligands. <i>Structural Chemistry</i> , 2017 , 28, 965-974	1.8	4
243	Molecular and crystal structure of 1,1-bis(methoxy-NNO-azoxy)-3,3,3-trinitropropane. <i>Journal of Structural Chemistry</i> , 2017 , 58, 763-766	0.9	3
242	Features of the decomposition of the neutral nitrosyl iron complexes with aryl-containing thiolate ligands in various solvents. Reaction with glutathione. <i>Russian Chemical Bulletin</i> , 2017 , 66, 821-827	1.7	4
241	Gigantic Photomagnetic Effect at Room Temperature in Spiropyran-Protected FePt Nanoparticles. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700161	2.5	5
240	Two decomposition mechanisms of nitrosyl iron complexes [Fe ₂ (EPR)(NO) ₄]. <i>Russian Chemical Bulletin</i> , 2017 , 66, 432-438	1.7	2
239	Polymorphism of bimolecular crystals of CL-20 with tris[1,2,5]oxadiazolo[3,4-b:3',4'-d:3'',4''-f]azepine-7-amine. <i>Russian Chemical Bulletin</i> , 2017 , 66, 694-701	1.7	9
238	New polyfunctional spiropyran of 1,3-benzoxazin-4-one series with carbonyl-containing substituents in the [2H]-chromene moiety. <i>Doklady Chemistry</i> , 2017 , 477, 244-247	0.8	
237	Study on the decomposition of iron nitrosyl complex of EN ₂ B type and its reaction with GSH in aqueous solution. <i>Doklady Chemistry</i> , 2017 , 473, 49-52	0.8	2
236	Molecular and crystal structure of 2,4,6-triazidopyrimidine and its chloro-substituted derivative. <i>Journal of Structural Chemistry</i> , 2017 , 58, 618-623	0.9	1
235	Effects of Nitrosyl Iron Complexes with Thiocarbamide and Its Aliphatic Derivatives on Activities of Ca-ATPase of Sarcoplasmic Reticulum and cGMP Phosphodiesterase. <i>Bulletin of Experimental Biology and Medicine</i> , 2017 , 163, 54-56	0.8	1
234	Bis(4-nitrobenzenethiolato)tetranitrosyldiiron: synthesis, structure, and pharmacological activity of a new nitric oxide (NO) donor. <i>Russian Chemical Bulletin</i> , 2017 , 66, 1706-1711	1.7	5
233	The inhibitory effect of dinitrosyl iron complexes (NO donors) on myeloperoxidase activity. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 477, 389-393	0.8	3

232	Synthesis and structure of 4,6-di(tert-butyl)-2-(4-chloro-7,8-dimethylquinolin-2-yl)-7-(piperidin-1-ylmethyl)-1,3-tropolone. <i>Russian Chemical Bulletin</i> , 2017 , 66, 2136-2141	1.7	
231	Quantum chemical modeling of possible reactions of mononuclear iron nitrosyl complex $[Fe(SC(NH_2)_2)_2(NO)_2]Cl \cdot 2H_2O$ in an aqueous solution. <i>Russian Chemical Bulletin</i> , 2017 , 66, 1842-1846	1.7	5
230	Polyfunctional Photochromic Magnetic Materials Based on 3D Metal (Tris) Oxalates 2017 , 261-284		
229	Photochromism of novel [1]benzothien-2-yl fulgides. <i>Tetrahedron</i> , 2016 , 72, 5776-5782	2.4	8
228	Single-Ion Magnet $EtN[Co(hfac)]$ with Nonuniaxial Anisotropy: Synthesis, Experimental Characterization, and Theoretical Modeling. <i>Inorganic Chemistry</i> , 2016 , 55, 9696-9706	5.1	53
227	Synthesis and structure of 5,7-Di(tert-butyl)-2-(8-methanesulfonyloxyquinolin-2-yl)-1,3-tropolone. <i>Doklady Chemistry</i> , 2016 , 468, 191-194	0.8	1
226	Molecular and crystal structure of 1,2-bis(methyl-ONN-azoxy-oxy)ethane. <i>Journal of Structural Chemistry</i> , 2016 , 57, 760-763	0.9	3
225	Investigation of a new product of a condensation reaction between 1,2,3,3-tetramethylindolenium perchlorate and 2,6-diformyl-4-methyl-phenol. <i>Journal of Structural Chemistry</i> , 2016 , 57, 1270-1271	0.9	8
224	Benzoid-Quinoid tautomerism of schiff bases and their structural analogs: LVII. 2-[(3-oxo-5-phenylpyrazolidin-1-yl)methylidene]-1H-indene-1,3(2H)-dione. <i>Russian Journal of Organic Chemistry</i> , 2016 , 52, 541-545	0.7	2
223	A new member of the cationic dinitrosyl iron complexes family incorporating N-ethylthiourea is effective against human HeLa and MCF-7 tumor cell lines. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 812-825	1.6	18
222	Spectroelectrochemical determination of the redox equivalent of magnesium porphine in the course of its electrooxidation. <i>Doklady Physical Chemistry</i> , 2016 , 466, 15-18	0.8	1
221	Theoretical Modeling of the Magnetic Behavior of Thiacalix[4]arene Tetranuclear $Mn(II)_2Gd(III)_2$ and $Co(II)_2Eu(III)_2$ Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 3566-75	5.1	6
220	Synthesis and structure of 5,7-diisopropyl-2-(quinolin-2-yl)-1,3-tropolone derivatives. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2461-2468	1.7	3
219	Synthesis and structural study of 4,6-diazido-2-(2,2,2-trinitroethylamino)-1,3,5-triazine. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2469-2474	1.7	3
218	Synthesis and structure of 1-[(3-hydroxybenzo[b]thiophen-2-yl)methylidene]-3-oxo-5-phenyl-1-pyrazolidinium-2-ide. <i>Doklady Chemistry</i> , 2016 , 471, 311-313	0.8	3
217	Structure and properties of a bimolecular crystal (2CL-20 + MNO). <i>Journal of Structural Chemistry</i> , 2016 , 57, 1613-1618	0.9	6
216	Benzenoid-quinoid tautomerism of azomethines and their structural analogs 56. Azomethine imines, derivatives of salicylic and 2-hydroxynaphthoic aldehydes. <i>Russian Chemical Bulletin</i> , 2016 , 65, 648-653	1.7	3
215	Vibrational smearing of the electron density as function of the strength and directionality of interatomic interactions: nonvalent interactions of a nitro group within an island-type crystal $[Fe(NO)_2(SC_6H_4NO_2)]_2$. <i>Russian Chemical Bulletin</i> , 2016 , 65, 1473-1487	1.7	6

214	Quantum chemical approaches to the study of FeS bond in Roussin's red esters: replacement of functional ligands by glutathione. <i>Russian Chemical Bulletin</i> , 2016 , 65, 1945-1950	1.7	4
213	Energetic potential of solid composite propellants based on CL-20-containing bimolecular crystals. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2018-2024	1.7	18
212	Structural studies of 1,3-oxazolidine-containing spiropyran. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2059-2062	0.7	5
211	Bis(4'-nitro-[3,3',4,4'-biphenyl]terfurazan-4-yl)diazene as a new energetic compound. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2063-2067	1.7	4
210	Electrochemical synthesis of cobalt polyporphine films. <i>Doklady Physical Chemistry</i> , 2016 , 471, 181-184	0.8	1
209	New horizons of small-tonnage gas chemistry. <i>Herald of the Russian Academy of Sciences</i> , 2016 , 86, 329-336	0.7	5
208	Synthesis and study of photochromic asymmetric bis-spiropyran. <i>Doklady Chemistry</i> , 2016 , 471, 378-383	0.8	3
207	The structure of a novel 8-hydroxyquinoline ligand system including 1,3-tropolonic fragment. <i>Journal of Structural Chemistry</i> , 2016 , 57, 1688-1690	0.9	1
206	Single crystal X-ray diffraction study of 2,4,6-triazidopyridine and its 3,5-dibromosubstituted derivative. <i>Journal of Structural Chemistry</i> , 2016 , 57, 1195-1202	0.9	2
205	Photodynamic chromogenic system based on photo- and ionochromic 8-(1,3-benzoxazol-2-yl)-substituted spirobenzopyran. <i>Doklady Chemistry</i> , 2016 , 471, 368-372	0.8	2
204	Redox reactions of binuclear tetranitrosyl iron complexes with bridging N-C-S ligands. <i>Inorganica Chimica Acta</i> , 2016 , 449, 61-68	2.7	3
203	New spiropyran based on 1,3-benzoxazine-2-one: acid catalyzed synthesis and theoretical insight into the photochromic activity. <i>Tetrahedron Letters</i> , 2016 , 57, 2382-2385	2	1
202	Photochromic and Magnetic Nanocomposites Based on Epoxy and Polycarbonate Matrices. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 1320-1327	3.2	1
201	A new class of nitric oxide donors. <i>Herald of the Russian Academy of Sciences</i> , 2016 , 86, 158-163	0.7	12
200	Quantum-chemical simulation of structure and conformational flexibility of 5,7-di(tert-butyl)-2-(8-hydroxyquinolin-2-yl)-1,3-tropolone. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 1306-1313	0.7	1
199	Molecular structure of 5,7-di(tert-butyl)-2-(6,8-dimethyl-4-chloroquinoline-2-yl)-3-hydroxytropone with two tautomeric forms. <i>Journal of Structural Chemistry</i> , 2016 , 57, 622-624	0.9	1
198	The first photochromic bimetallic assemblies based on Mn(III) and Mn(II) Schiff-base (salpn, dapsc) complexes and pentacyanonitrosylferrate. <i>CrystEngComm</i> , 2015 , 17, 3866-3876	3.3	13
197	Synthesis and structure of 3-(tert-butyl)-10,10-dimethyl-10H-indolo[1,2-a]indoline-1,4-dione. <i>Doklady Chemistry</i> , 2015 , 460, 33-36	0.8	5

196	Preparation, structure, and main properties of bimolecular crystals CL-20DNP and CL-20DNG. <i>Russian Chemical Bulletin</i> , 2015 , 64, 366-374	1.7	34
195	Localization-Delocalization in Bridged Mixed-Valence Metal Clusters: Vibronic PKS Model Revisited. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9844-56	2.8	6
194	Studies of structure and photochromic properties of spiropyrans based on 4,6-diformyl-2-methylresorcinol. <i>Russian Chemical Bulletin</i> , 2015 , 64, 672-676	1.7	5
193	Spiropyrans and spirooxazines. <i>Russian Chemical Bulletin</i> , 2015 , 64, 677-682	1.7	4
192	Nitrosyl iron complexes with enhanced NO donating ability: synthesis, structure and properties of a new type of salt with the DNIC cations $[Fe(SC(NH_2)_2)_2(NO)_2]^+$. <i>New Journal of Chemistry</i> , 2015 , 39, 1022-1030	3.6	26
191	Synthesis and properties of polyvinylpyrrolidone films containing iron nitrosyl complexes as nitric oxide (NO) donors with antitumor and antiseptic activities. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1616-1622	1.7	6
190	Experimental and quantum chemical modeling of the influence of the pH of the medium on the NO-donor activity of the mononuclear nitrosyl iron complex $[Fe(SC(NH_2)_2)_2(NO)_2] \cdot H_2O$. <i>Russian Chemical Bulletin</i> , 2015 , 64, 2344-2350	1.7	5
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169	Synthesis and isomerization reaction of 2-(benzoxazol-2-yl)-1,3-tropolones. <i>Russian Chemical Bulletin</i> , 2013 , 62, 492-496	1.7	2
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