

# Alexander G Martynov

## List of Publications by Citations

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69

papers

935

citations

19

h-index

28

g-index

78

ext. papers

1,181

ext. citations

3.2

avg, IF

4.46

L-index

#	Paper	IF	Citations
69	First Example of Nonlinear Optical Materials Based on Nanoconjugates of Sandwich Phthalocyanines with Quantum Dots. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2820-2830	4.8	59
68	Methodological Survey of Simplified TD-DFT Methods for Fast and Accurate Interpretation of UV-Vis-NIR Spectra of Phthalocyanines. <i>ACS Omega</i> , <b>2019</b> , 4, 7265-7284	3.9	50
67	Functional molecular switches involving tetrapyrrolic macrocycles. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 387, 325-347	23.2	46
66	Heteroleptic phthalocyaninato-[tetra(15-crown-5)phthalocyaninato] lanthanides(III) double-deckers: Synthesis and cation-induced supramolecular dimerisation. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 122-130	2.7	46
65	Electrochemical and spectroelectrochemical studies of diphosphorylated metalloporphyrins. Generation of a phlorin anion product. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3501-12	5.1	40
64	A Molecular Chameleon: Reversible pH- and Cation-Induced Control of the Optical Properties of Phthalocyanine-Based Complexes in the Visible and Near-Infrared Spectral Ranges. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2450-9	5.1	36
63	Diphthalocyaninatolanthanum as a New Phthalocyaninato-Dianion Donor for the Synthesis of Heteroleptic Triple-Decker Rare Earth Element Crown-Phthalocyaninato Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 4800-4807	2.3	36
62	Macroheterocyclic Compounds - a Key Building Block in New Functional Materials and Molecular Devices. <i>Macroheterocycles</i> , <b>2020</b> , 13, 311-467	2.2	36
61	The crucial role of self-assembly in nonlinear optical properties of polymeric composites based on crown-substituted ruthenium phthalocyaninate. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6692-6700	7.1	31
60	Synthesis, spectral properties and supramolecular dimerisation of heteroleptic triple-decker phthalocyaninato complexes with one outer crown-substituted ligand. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 11-18	2.7	31
59	Optical limiters with improved performance based on nanoconjugates of thiol substituted phthalocyanine with CdSe quantum dots and Ag nanoparticles. <i>Dalton Transactions</i> , <b>2017</b> , 46, 16190-16198	4.3	30
58	Crown-substituted phthalocyanines as components of molecular ionoelectronic materials and devices. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 1635-1664	1.5	30
57	Crown-Substituted Phthalocyanines: From Synthesis Towards Materials. <i>Handbook of Porphyrin Science</i> , <b>2012</b> , 271-388	0.3	30
56	Novel approaches to model-free analysis of lanthanide-induced shifts, targeted to the investigation of contact term behavior. <i>Dalton Transactions</i> , <b>2011</b> , 40, 7165-71	4.3	30
55	<sup>1</sup> H NMR spectral analysis in series of heteroleptic triple-decker lanthanide phthalocyaninato complexes: Contact and dipolar contributions of lanthanide-induced shifts. <i>Polyhedron</i> , <b>2010</b> , 29, 391-399	2.7	30
54	Lanthanide Crownphthalocyaninates: Synthesis, Structure, and Peculiarities of Formation. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2004</b> , 30, 245-251	1.6	30
53	Improvement of nonlinear optical properties of phthalocyanine bearing diethyleneglycole chains: Influence of symmetry lowering vs. heavy atom effect. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2016</b> , 20, 1296-1305	1.8	23

52	Determination of the Structural Parameters of Heteronuclear (Phthalocyaninato)bis(crownphthalocyaninato)lanthanide(III) Triple-Deckers in Solution by Simultaneous Analysis of NMR and Single-Crystal X-ray Data. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 9258-69	5.1	21
51	Impact of the coordination environment on the magnetic properties of single-molecule magnets based on homo- and hetero-dinuclear terbium(III) heteroleptic tris(crownphthalocyaninate). <i>Dalton Transactions</i> , <b>2016</b> , 45, 9320-7	4.3	20
50	Design of UV-Vis-NIR panchromatic crown-phthalocyanines with controllable aggregation. <i>Dalton Transactions</i> , <b>2015</b> , 44, 1366-78	4.3	17
49	Unexpected formation of a $\mu$ -Carbido diruthenium(IV) complex during the metalation of phthalocyanine with Ru(CO) and its catalytic activity in carbene transfer reactions. <i>Dalton Transactions</i> , <b>2017</b> , 46, 15651-15655	4.3	16
48	Synthesis and structure of heteroleptic triple-decker neodymium, europium, holmium, erbium, and ytterbium crown phthalocyaninates. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 347-354	1.5	15
47	Synthesis and chemical behaviour of triple-decker lanthanum tetra-15-crown-5-phthalocyaninate. <i>Mendeleev Communications</i> , <b>2007</b> , 17, 66-67	1.9	15
46	Functional supramolecular systems: design and applications. <i>Russian Chemical Reviews</i> , <b>2021</b> , 90, 895-1107	6.8	15
45	Effect of One- and Two-Electron Reduction of Terbium(III) Double-Decker Phthalocyanine on Single-Ion Magnet Behavior and NIR Absorption. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5058-5068	5.1	14
44	Synthesis and Copper(I)-Driven Disaggregation of a Zinc-Complexed Phthalocyanine Bearing Four Lateral Coordinating Rings. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 6888-6894	3.2	11
43	Hybrid organic-inorganic supramolecular systems based on a pyridine end-decorated molybdenum(II) halide cluster and zinc(II) porphyrinate. <i>Dalton Transactions</i> , <b>2019</b> , 48, 1835-1842	4.3	10
42	Long-Sought Redox Isomerization of the Europium(III/II) Complex Achieved by Molecular Reorientation at the Interface. <i>Langmuir</i> , <b>2020</b> , 36, 1423-1429	4	10
41	Unusual magnetic relaxation behavior of hydrophilic colloids based on gadolinium(III) octabutoxyphthalocyaninate. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	10
40	Exploring the Optimal Synthetic Pathways towards $\mu$ -Carbido Diruthenium(IV) Bisphthalocyaninates. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 1923-1931	2.3	9
39	Aromatic Nucleophilic Substitution as a Side Process in the Synthesis of Alkoxy- and Crown-Substituted (Na)phthalocyanines. <i>Macrocyclics</i> , <b>2019</b> , 12, 75-81	2.2	9
38	Crown-substituted naphthalocyanines: synthesis and supramolecular control over aggregation and photophysical properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 15226-15231	4.3	9
37	Electronic structure and NH-tautomerism of a novel metal-free phenanthroline-annelated phthalocyanine. <i>Dyes and Pigments</i> , <b>2017</b> , 140, 469-479	4.6	8
36	Cation-Induced Dimerization of Heteroleptic Crown-Substituted Trisphthalocyaninates as Revealed by X-ray Diffraction and NMR Spectroscopy. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9424-9433	5.1	8
35	Modulation of transversal conductivity of europium(III) bisphthalocyaninate ultrathin films by peripheral substitution. <i>Thin Solid Films</i> , <b>2019</b> , 692, 137591	2.2	8

34	Potassium-promoted anionic selectivity of lanthanide bis(tetra-15-crown-phthalocyaninate) complexes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2011</b> , 47, 465-470	0.9	8
33	Behaviour of Low-Symmetry Crown-Phthalocyanine in Solution: Concentration Aggregation vs. Cation-Induced Assembly. <i>Macroheterocycles</i> , <b>2014</b> , 7, 47-54	2.2	7
32	Modern Synthetic Approaches to Phthalonitriles with Special Emphasis on Transition-Metal Catalyzed Cyanation Reactions. <i>Macroheterocycles</i> , <b>2013</b> , 6, 23-32	2.2	7
31	Optical limiting properties, structure and simplified TD-DFT calculations of scandium tetra-15-crown-5 phthalocyaninates. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2020</b> , 24, 589-601	1.8	6
30	A novel efficient approach to heteronuclear triple-decker complexes of rare earth elements with phthalocyanines. <i>Russian Chemical Bulletin</i> , <b>2011</b> , 60, 2258-2262	1.7	6
29	NMR Spectroscopy A Versatile Tool for Studying the Structure and Magnetic Properties of Paramagnetic Lanthanide Complexes in Solutions (Review). <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 202-216	1.5	6
28	New Octopus-like Phthalocyanines as Fullerene Receptors: Synthesis and Photophysical Investigation. <i>Israel Journal of Chemistry</i> , <b>2016</b> , 56, 181-187	3.4	5
27	Solubilization of Crown-Substituted Magnesium Phthalocyaninates in Solutions of Salts of Bile Acids. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2018</b> , 54, 33-42	0.9	4
26	1,2-Dicyano-4,5-bis[2(2-benzyloxyethoxy)ethoxy]benzene [precursor towards new functionalized phthalocyanines. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 237-238	1.9	4
25	MCD spectroscopy and TD-DFT calculations of magnesium tetra-(15-crown-5-oxanthreno)-phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2016</b> , 20, 505-513	1.8	4
24	NMR thermosensing properties on binuclear triple-decker complexes of terbium(III) and dysprosium(III) with 15-crown-5-phthalocyanine. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 331, 112933	3.9	4
23	5,8-Disubstituted crown-naphthalonitriles as a platform for highly soluble naphthalocyanines. <i>Dyes and Pigments</i> , <b>2020</b> , 180, 108484	4.6	3
22	Synthesis, electronic structure and NH-tautomerism of novel mono- and dibenzoannelated phthalocyanines. <i>Dyes and Pigments</i> , <b>2020</b> , 181, 108564	4.6	3
21	Photophysics and NLO properties of Ga(III) and In(III) phthalocyaninates bearing diethyleneglycol chains. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2018</b> , 22, 137-148	1.8	3
20	Carbene insertion to NH bonds of 2-aminothiazole and 2-amino-1,3,4-thiadiazole derivatives catalyzed by iron phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2019</b> , 23, 497-506	1.8	3
19	Phthalocyanine Monolayers Self-Assembled Directly from its Thiobenzoyl Derivative. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 051006	2	2
18	Advances in Tetrapyrrolic Chemistry over 2013-2017 of Research group Headed by Full Member of RAS A. Yu. Tsivadze: Highlights on the Occasion of his Anniversary. <i>Macroheterocycles</i> , <b>2017</b> , 10, 400-409	2.2	2
17	Interaction of Octopus-like Cobalt(II) Phthalocyaninate with Fullerene C70 Studied by ESR Spectroscopy. <i>Macroheterocycles</i> , <b>2018</b> , 11, 390-395	2.2	2

16	Fluorescence Mode XANES Spectroscopy as a Powerful Tool for Redox-Isomerism Studies in Ultrathin Films. <i>Macroheterocycles</i> , <b>2019</b> , 12, 264-267	2.2	2
15	Selective carbene transfer to amines and olefins catalyzed by ruthenium phthalocyanine complexes with donor substituents. <i>Dalton Transactions</i> , <b>2021</b> , 50, 2023-2031	4.3	2
14	Spin Crossover in Nickel(II) Tetraphenylporphyrinate via Forced Axial Coordination at the Air/Water Interface. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
13	Switchable Aromaticity of Phthalocyanine via Reversible Nucleophilic Aromatic Addition to an Electron-Deficient Phosphorus(V) Complex. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14053-14058	16.4	2
12	New Hybrid Materials Based on Nanostructured Aluminum Oxyhydroxide and Terbium(III) Bis(Tetra-15-Crown-5-Phthalocyaninate). <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2018</b> , 54, 185-191	0.9	1
11	Octopus-Type Crown-Bisphthalocyaninate Anchor for Bottom-Up Assembly of Supramolecular Bilayers with Expanded Redox-Switching Capability. <i>Small</i> , <b>2021</b> , e2104306	11	1
10	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae)		1
9	Heteroleptic Crown-Substituted Tris(phthalocyaninates) as Dynamic Supramolecular Scaffolds with Switchable Rotational States and Tunable Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 9110-9121	5.1	1
8	Imidazoporphyrins with appended polycyclic aromatic hydrocarbons: To conjugate or not to conjugate?. <i>Dyes and Pigments</i> , <b>2021</b> , 186, 109042	4.6	1
7	<sup>1</sup> H NMR spectral analysis of structural features in a series of paramagnetic homoleptic binuclear triple-decker phthalocyaninato lanthanide complexes. <i>Polyhedron</i> , <b>2022</b> , 219, 115792	2.7	1
6	Interface Asymmetry Induced and Surface Pressure Controlled Valence Tautomerism in Monolayers of bis-Phthalocyaninates of Lanthanides. <i>Symmetry</i> , <b>2022</b> , 14, 340	2.7	0
5	Ion-Driven Self-Assembly of Lanthanide Bis-phthalocyaninates into Conductive Quasi-MOF Nanowires: an Approach toward Easily Recyclable Organic Electronics. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 15509-15518	5.1	0
4	Spectrophotometric study of the cation-induced dimerization of heteroleptic terbium(III) tetra-15-crown-5-bisphthalocyaninate. <i>Russian Chemical Bulletin</i> , <b>2018</b> , 67, 2195-2200	1.7	0
3	Nuclear magnetic resonance thermosensing properties of holmium(III) and thulium(III) tris(tetra-15-crown-5-phthalocyaninato) complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2022</b> , 26, 334-339	1.8	0
2	Carbene insertion to N-H bonds of 2-aminothiazole and 2-amino-1,3,4-thiadiazole derivatives catalyzed by iron phthalocyanine <b>2021</b> , 1198-1207		
1	Exploring replacement of axially coordinated ligands in ruthenium(II) phthalocyaninates. <i>Polyhedron</i> , <b>2022</b> , 115821	2.7	