

Alexander G Martynov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3445318/alexander-g-martynov-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Interface Asymmetry Induced and Surface Pressure Controlled Valence Tautomerism in Monolayers of bis-Phthalocyaninates of Lanthanides. <i>Symmetry</i> , 2022 , 14, 340	2.7	0
68	Exploring replacement of axially coordinated ligands in ruthenium(II) phthalocyaninates. <i>Polyhedron</i> , 2022 , 115821	2.7	
67	¹ H NMR spectral analysis of structural features in a series of paramagnetic homoleptic binuclear triple-decker phthalocyaninato lanthanide complexes. <i>Polyhedron</i> , 2022 , 219, 115792	2.7	1
66	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> , 2022 , 26, 334-339	1.8	0
65	Octopus-Type Crown-Bisphthalocyaninate Anchor for Bottom-Up Assembly of Supramolecular Bilayers with Expanded Redox-Switching Capability. <i>Small</i> , 2021 , e2104306	11	1
64	Ion-Driven Self-Assembly of Lanthanide Bis-phthalocyaninates into Conductive Quasi-MOF Nanowires: an Approach toward Easily Recyclable Organic Electronics. <i>Inorganic Chemistry</i> , 2021 , 60, 15509-15518	5.1	0
63	Heteroleptic Crown-Substituted Tris(phthalocyaninates) as Dynamic Supramolecular Scaffolds with Switchable Rotational States and Tunable Magnetic Properties. <i>Inorganic Chemistry</i> , 2021 , 60, 9110-9121	5.1	1
62	Imidazoporphyrins with appended polycyclic aromatic hydrocarbons: To conjugate or not to conjugate?. <i>Dyes and Pigments</i> , 2021 , 186, 109042	4.6	1
61	Selective carbene transfer to amines and olefins catalyzed by ruthenium phthalocyanine complexes with donor substituents. <i>Dalton Transactions</i> , 2021 , 50, 2023-2031	4.3	2
60	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> , 2021 , 66, 202-216	1.5	6
59	Spin Crossover in Nickel(II) Tetraphenylporphyrinate via Forced Axial Coordination at the Air/Water Interface. <i>Molecules</i> , 2021 , 26,	4.8	2
58	Switchable Aromaticity of Phthalocyanine via Reversible Nucleophilic Aromatic Addition to an Electron-Deficient Phosphorus(V) Complex. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14053-14058	16.4	2
57	Functional supramolecular systems: design and applications. <i>Russian Chemical Reviews</i> , 2021 , 90, 895-1107	10.7	15
56	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> , 2021 , 331, 112933	3.9	4
55	Carbene insertion to N-H bonds of 2-aminothiazole and 2-amino-1,3,4-thiadiazole derivatives catalyzed by iron phthalocyanine 2021 , 1198-1207		
54	Cation-Induced Dimerization of Heteroleptic Crown-Substituted Trisphthalocyaninates as Revealed by X-ray Diffraction and NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2020 , 59, 9424-9433	5.1	8
53	5,8-Disubstituted crown-naphthalonitriles as a platform for highly soluble naphthalocyanines. <i>Dyes and Pigments</i> , 2020 , 180, 108484	4.6	3

52	Optical limiting properties, structure and simplified TD-DFT calculations of scandium tetra-15-crown-5 phthalocyaninates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 589-601	1.8	6
51	Synthesis, electronic structure and NH-tautomerism of novel mono- and dibenzoannelated phthalocyanines. <i>Dyes and Pigments</i> , 2020 , 181, 108564	4.6	3
50	Phthalocyanine Monolayers Self-Assembled Directly from its Thiobenzoyl Derivative. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 051006	2	2
49	Macroheterocyclic Compounds - a Key Building Block in New Functional Materials and Molecular Devices. <i>Macroheterocycles</i> , 2020 , 13, 311-467	2.2	36
48	Long-Sought Redox Isomerization of the Europium(III/II) Complex Achieved by Molecular Reorientation at the Interface. <i>Langmuir</i> , 2020 , 36, 1423-1429	4	10
47	Hybrid organic-inorganic supramolecular systems based on a pyridine end-decorated molybdenum(ii) halide cluster and zinc(ii) porphyrinate. <i>Dalton Transactions</i> , 2019 , 48, 1835-1842	4.3	10
46	Methodological Survey of Simplified TD-DFT Methods for Fast and Accurate Interpretation of UV-Vis-NIR Spectra of Phthalocyanines. <i>ACS Omega</i> , 2019 , 4, 7265-7284	3.9	50
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> , 2019 , 58, 5058-5068	5.1	14
44	Functional molecular switches involving tetrapyrrolic macrocycles. <i>Coordination Chemistry Reviews</i> , 2019 , 387, 325-347	23.2	46
43	Exploring the Optimal Synthetic Pathways towards μ -Carbido Diruthenium(IV) Bisphthalocyaninates. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1923-1931	2.3	9
42	Carbene insertion to N-H bonds of 2-aminothiazole and 2-amino-1,3,4-thiadiazole derivatives catalyzed by iron phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 497-506	1.8	3
41	Modulation of transversal conductivity of europium(III) bisphthalocyaninate ultrathin films by peripheral substitution. <i>Thin Solid Films</i> , 2019 , 692, 137591	2.2	8
40	Aromatic Nucleophilic Substitution as a Side Process in the Synthesis of Alkoxy- and Crown-Substituted (Na)phthalocyanines. <i>Macroheterocycles</i> , 2019 , 12, 75-81	2.2	9
39	Fluorescence Mode XANES Spectroscopy as a Powerful Tool for Redox-Isomerism Studies in Ultrathin Films. <i>Macroheterocycles</i> , 2019 , 12, 264-267	2.2	2
38	Unusual magnetic relaxation behavior of hydrophilic colloids based on gadolinium(III) octabutoxyphthalocyaninate. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	10
37	Solubilization of Crown-Substituted Magnesium Phthalocyaninates in Solutions of Salts of Bile Acids. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018 , 54, 33-42	0.9	4
36	Photophysics and NLO properties of Ga(III) and In(III) phthalocyaninates bearing diethyleneglycol chains. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 137-148	1.8	3
35	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> , 2018 , 54, 185-191	0.9	1

34	Interaction of Octopus-like Cobalt(II) Phthalocyaninate with Fullerene C70 Studied by ESR Spectroscopy. <i>Macroheterocycles</i> , 2018 , 11, 390-395	2.2	2
33	Spectrophotometric study of the cation-induced dimerization of heteroleptic terbium(III) tetra-15-crown-5-bisphthalocyaninate. <i>Russian Chemical Bulletin</i> , 2018 , 67, 2195-2200	1.7	0
32	Crown-substituted naphthalocyanines: synthesis and supramolecular control over aggregation and photophysical properties. <i>Dalton Transactions</i> , 2018 , 47, 15226-15231	4.3	9
31	Electronic structure and NH-tautomerism of a novel metal-free phenanthroline-annelated phthalocyanine. <i>Dyes and Pigments</i> , 2017 , 140, 469-479	4.6	8
30	First Example of Nonlinear Optical Materials Based on Nanoconjugates of Sandwich Phthalocyanines with Quantum Dots. <i>Chemistry - A European Journal</i> , 2017 , 23, 2820-2830	4.8	59
29	Optical limiters with improved performance based on nanoconjugates of thiol substituted phthalocyanine with CdSe quantum dots and Ag nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 16190-16198	4.3	30
28	Unexpected formation of a κ -carbido diruthenium(IV) complex during the metalation of phthalocyanine with Ru(CO) and its catalytic activity in carbene transfer reactions. <i>Dalton Transactions</i> , 2017 , 46, 15651-15655	4.3	16
27	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> , 2017 , 10, 400-409	2.2	2
26	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> , 2016 , 20, 1296-1305	1.8	23
25	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> , 2016 , 55, 2450-9	5.1	36
24	New Octopus-like Phthalocyanines as Fullerene Receptors: Synthesis and Photophysical Investigation. <i>Israel Journal of Chemistry</i> , 2016 , 56, 181-187	3.4	5
23	MCD spectroscopy and TD-DFT calculations of magnesium tetra-(15-crown-5-oxanthreno)-phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 505-513	1.8	4
22	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> , 2016 , 45, 9320-7	4.3	20
21	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> , 2016 , 55, 9258-69	5.1	21
20	Design of UV-Vis-NIR panchromatic crown-phthalocyanines with controllable aggregation. <i>Dalton Transactions</i> , 2015 , 44, 1366-78	4.3	17
19	Electrochemical and spectroelectrochemical studies of diphosphorylated metalloporphyrins. Generation of a phlorin anion product. <i>Inorganic Chemistry</i> , 2015 , 54, 3501-12	5.1	40
18	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> , 2015 , 3, 6692-6700	7.1	31
17	Crown-substituted phthalocyanines as components of molecular ionoelectronic materials and devices. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 1635-1664	1.5	30

16	Behaviour of Low-Symmetry Crown-Phthalocyanine in Solution: Concentration Aggregation vs. Cation-Induced Assembly. <i>Macroheterocycles</i> , 2014 , 7, 47-54	2.2	7
15	Modern Synthetic Approaches to Phthalonitriles with Special Emphasis on Transition-Metal Catalyzed Cyanation Reactions. <i>Macroheterocycles</i> , 2013 , 6, 23-32	2.2	7
14	Synthesis and Copper(I)-Driven Disaggregation of a Zinc-Complexed Phthalocyanine Bearing Four Lateral Coordinating Rings. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 6888-6894	3.2	11
13	Crown-Substituted Phthalocyanines: From Synthesis Towards Materials. <i>Handbook of Porphyrin Science</i> , 2012 , 271-388	0.3	30
12	A novel efficient approach to heteronuclear triple-decker complexes of rare earth elements with phthalocyanines. <i>Russian Chemical Bulletin</i> , 2011 , 60, 2258-2262	1.7	6
11	Potassium-promoted anionic selectivity of lanthanide bis(tetra-15-crown-phthalocyaninate) complexes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011 , 47, 465-470	0.9	8
10	Novel approaches to model-free analysis of lanthanide-induced shifts, targeted to the investigation of contact term behavior. <i>Dalton Transactions</i> , 2011 , 40, 7165-71	4.3	30
9	Synthesis and structure of heteroleptic triple-decker neodymium, europium, holmium, erbium, and ytterbium crown phthalocyaninates. <i>Russian Journal of Inorganic Chemistry</i> , 2010 , 55, 347-354	1.5	15
8	1,2-Dicyano-4,5-bis[2[2-benzyloxyethoxy]ethoxy]benzene [precursor towards new functionalized phthalocyanines. <i>Mendeleev Communications</i> , 2010 , 20, 237-238	1.9	4
7	¹ H NMR spectral analysis in series of heteroleptic triple-decker lanthanide phthalocyaninato complexes: Contact and dipolar contributions of lanthanide-induced shifts. <i>Polyhedron</i> , 2010 , 29, 391-399	2.7	30
6	Synthesis, spectral properties and supramolecular dimerisation of heteroleptic triple-decker phthalocyaninato complexes with one outer crown-substituted ligand. <i>Inorganica Chimica Acta</i> , 2009 , 362, 11-18	2.7	31
5	Diphthalocyaninato-lanthanum 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> , 2007 , 2007, 4800-4807	2.3	36
4	Heteroleptic phthalocyaninato-[tetra(15-crown-5)phthalocyaninato] lanthanides(III) double-deckers: Synthesis and cation-induced supramolecular dimerisation. <i>Inorganica Chimica Acta</i> , 2007 , 360, 122-130	2.7	46
3	Synthesis and chemical behaviour of triple-decker lanthanum tetra-15-crown-5-phthalocyaninate. <i>Mendeleev Communications</i> , 2007 , 17, 66-67	1.9	15
2	Lanthanide Crownphthalocyaninates: Synthesis, Structure, and Peculiarities of Formation. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2004 , 30, 245-251	1.6	30
1	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae)		1