

# Ilya Pankov

## List of Publications by Year in descending order

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17  
papers

139  
citations

1163117

8  
h-index

1199594

12  
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docs citations

17  
times ranked

135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrrole-like defects as origin of piezoelectric effect in nitrogen-doped carbon nanotubes. <i>Carbon</i> , 2022, 190, 348-358.	10.3	14
2	Rational Functionalization of UiO-66 with Pd Nanoparticles: Synthesis and In Situ Fourier-Transform Infrared Monitoring. <i>Inorganic Chemistry</i> , 2022, 61, 3875-3885.	4.0	8
3	High Gas Sensitivity to Nitrogen Dioxide of Nanocomposite ZnO-SnO <sub>2</sub> Films Activated by a Surface Electric Field. <i>Nanomaterials</i> , 2022, 12, 2025.	4.1	4
4	Stability and activity of platinum nanoparticles in the oxygen electroreduction reaction: is size or uniformity of primary importance?. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 593-606.	2.8	18
5	Influence of Electrochemical Pretreatment Conditions of PtCu/C Alloy Electrocatalyst on Its Activity. <i>Nanomaterials</i> , 2021, 11, 1499.	4.1	14
6	UV radiation effect on the microstructure and performance of electrocatalysts based on small Pt nanoparticles synthesized in the liquid phase. <i>Colloids and Interface Science Communications</i> , 2021, 45, 100517.	4.1	8
7	Nucleation/growth of the platinum nanoparticles under the liquid phase synthesis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127525.	4.7	9
8	Determination of structures of Cu(II) and Ni(II) complexes based on 4-methyl-2,6-bis{[2-(4,6-dimethylpyrimidin-2-yl)hydrazono]methyl}phenol by combine experimental and theoretical approaches. <i>Journal of Molecular Structure</i> , 2020, 1199, 126952.	3.6	3
9	Crystal structure and nontrivial magnetic properties of CuII binuclear complex based on 4-methyl-2,6-bis{[2-(4,6-dimethyl-pyrimidin-2-yl)hydrazono]methyl}phenol. <i>Mendeleev Communications</i> , 2019, 29, 43-46.	1.6	4
10	Controlled Molecular Magnetism of Bi- and Polynuclear Transition Metal Complexes Based on Hydrazones, Azomethines, and Their Analogs. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 163-187.	1.0	7
11	The magnetic exchange interaction in bi- and tetranuclear copper(II) complexes with the bis-azomethine of 1,3-diaminopropanol-2 and 4-hydroxy-3-formylcoumarin with an azide exogenous bridge. <i>Polyhedron</i> , 2017, 135, 237-246.	2.2	4
12	Peculiarities of magnetic exchange in bi- and tetranuclear copper(II) complexes with organic ligands based on 1,3-diaminopropan-2-ol. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 1-20.	1.0	11
13	Molecular machines as a driving force of progress in modern post-industrial society. <i>Russian Journal of General Chemistry</i> , 2017, 87, 2627-2642.	0.8	0
14	Local atomic structure of mono- and binuclear metal complexes based on 3-formylpyrone and 3-formylcoumarin bis-azomethines. <i>Journal of Structural Chemistry</i> , 2017, 58, 1226-1235.	1.0	4
15	Binuclear metalochelates of 2-(N-tosylamino)benzal-2-yl- <sup>TM</sup> -(hydroxymethyl)aniline: Syntheses, structures, and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016, 42, 267-273.	1.0	11
16	Chemical and electrochemical synthesis, molecular structures, DFT calculations and optical properties of metal-chelates of 8-(2-tosylaminobenzilideneimino)quinoline. <i>Polyhedron</i> , 2016, 107, 153-162.	2.2	18
17	Physico-chemical study of the complex formation between 2-(tosylamino)benzaldehyde bishydrazones and transition metal ions. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1902-1909.	0.8	2