## Vadim V Yanshole

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Probing reactions between imipramine and hydroxyl radical with the photolysis of iron(III) oxalate: Implications for the indirect photooxidation of tricyclic antidepressants in waters. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 422, 113559.	3.9	5
2	Self-assembly patterns of non-metalloid silver thiolates: structural, HR-ESI-MS and stability studies. Dalton Transactions, 2022, 51, 705-714.	3.3	6
3	Direct UV photodegradation of herbicide triclopyr in aqueous solutions: A mechanistic study. Chemosphere, 2022, 293, 133573.	8.2	10
4	Novel Copper(II) Complexes with Dipinodiazafluorene Ligands: Synthesis, Structure, Magnetic and Catalytic Properties. Molecules, 2022, 27, 4072.	3.8	6
5	Keggin-type polyoxometalate 1 : 1 complexes of Pb( <scp>ii</scp> ) and Bi( <scp>iii</scp> ): experimental, theoretical and luminescence studies. Dalton Transactions, 2021, 50, 6913-6922.	3.3	5
6	A previously unknown way of heme detoxification in the digestive tract of cats. Scientific Reports, 2021, 11, 8290.	3.3	0
7	Stabilization of Re37+/Re38+ Metalloclusters by Cyanide Ligands in New Trinuclear Rhenium Cluster Complexes [{Re3X3}(CN)9]4â€"/[{Re3X3}(CN)9]5â€" (X = Br or I). Inorganic Chemistry, 2021, 60, 5980-5987.	4.0	3
8	In Vitro 1H NMR Metabolic Profiles of Liver, Brain, and Serum in Rats After Chronic Consumption of Alcohol. Applied Magnetic Resonance, 2021, 52, 661-675.	1.2	2
9	Metabolomic profiling of biological fluids of patients with lymphedema. , 2021, , .		0
10	Synthesis, Structure, and Spectroscopic Study of Redox-Active Heterometallic Cluster-Based Complexes [Re <sub>5</sub> MoSe <sub>8</sub> (CN) <sub>6</sub> ] <sup><i>n</i></sup> . Inorganic Chemistry, 2021, 60, 8838-8850.	4.0	4
11	Activation of H <sub>2</sub> O <sub>2</sub> over Zr(IV). Insights from Model Studies on Zr-Monosubstituted Lindqvist Tungstates. ACS Catalysis, 2021, 11, 10589-10603.	11.2	25
12	Photochemistry of cerium(IV) ammonium nitrate (CAN) in acetonitrile. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113440.	3.9	9
13	Coordination capacity of Keggin anions as polytopic ligands: case study of [VNb <sub>12</sub> O <sub>40</sub> ] <sup>15â^'</sup> . Dalton Transactions, 2021, 50, 7078-7084.	3.3	5
14	Deep Learning for the Precise Peak Detection in High-Resolution LC–MS Data. Analytical Chemistry, 2020, 92, 588-592.	6.5	101
15	Niobium uptake by {P2W12} polyoxoanion with [NbO(C2O4)2(H2O)2]â^' as Nb source. Inorganica Chimica Acta, 2020, 502, 119319.	2.4	2
16	Direct UVC photodegradation of imipramine in aqueous solutions: a mechanistic study. Mendeleev Communications, 2020, 30, 654-656.	1.6	2
17	Most abundant metabolites in tissues of freshwater fish pike-perch (Sander lucioperca). Scientific Reports, 2020, 10, 17128.	3.3	16
18	Waterâ€Soluble Rhenium Clusters with Triazoles: The Effect of Chemical Structure on Cellular Internalization and the DNA Binding of the Complexes. Chemistry - A European Journal, 2020, 26, 13904-13914.	3.3	12

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19	Free radicals in organic semiconductors during photooxidation: Thin films of polymers P3HT and PCDTBT vs small molecules DRCN5T and BTR. Chemical Physics Letters, 2020, 754, 137647.	2.6	3
20	The {Re4} Tetrahedral Cyanometalate Cluster Anion [{Re4(μ3-CCN)4}(CN)12]8– with Inner (μ3-CCN)3– Ligands and Its Features in Coordination of Cu2+ Cations. Inorganic Chemistry, 2020, 59, 9710-9717.	4.0	4
21	Mechanism of photochromic transformations and photodegradation of an asymmetrical 2,3-diarylcyclopentenone. Physical Chemistry Chemical Physics, 2020, 22, 5220-5228.	2.8	11
22	ls It Possible To Prepare a Heterometal Anderson–Evans Type Anion?. Inorganic Chemistry, 2020, 59, 2116-2120.	4.0	9
23	Easy Ligand Activation in the Coordination Sphere of Ru inside the [PW11O39]7– Backbone. Molecules, 2020, 25, 1859.	3.8	4
24	Apically homoleptic octahedral rhenium cluster complexes with 3-methylpyrazole. Inorganica Chimica Acta, 2020, 510, 119738.	2.4	8
25	Tailoring Heterometallic Cluster Functional Building Blocks: Synthesis, Separation, Structural and DFT Studies of [Re 6â~' x Mo x Se 8 (CN) 6 ] n â~'. Chemistry - A European Journal, 2019, 25, 15040-15045.	3.3	7
26	Reactions of [Ru(NO)Cl <sub>5</sub> ] <sup>2â^'</sup> with pseudotrilacunary {XW <sub>9</sub> O <sub>33</sub> } <sup>9â^'</sup> (X = As <sup>III</sup> , Sb <sup>III</sup> ) anions. Dalton Transactions, 2019, 48, 15989-15999.	3.3	4
27	Water-soluble Re <sub>6</sub> -clusters with aromatic phosphine ligands – from synthesis to potential biomedical applications. Inorganic Chemistry Frontiers, 2019, 6, 882-892.	6.0	34
28	Ovothiol A is the Main Antioxidant in Fish Lens. Metabolites, 2019, 9, 95.	2.9	23
29	Niobium uptake by a [P <sub>8</sub> W <sub>48</sub> O <sub>184</sub> ] <sup>40â^'</sup> macrocyclic polyanion. New Journal of Chemistry, 2019, 43, 9943-9952.	2.8	12
30	Quantitative metabolomic analysis of changes in the lens and aqueous humor under development of age-related nuclear cataract. Metabolomics, 2019, 15, 29.	3.0	36
31	Seasonal Variations and Interspecific Differences in Metabolomes of Freshwater Fish Tissues: Quantitative Metabolomic Profiles of Lenses and Gills. Metabolites, 2019, 9, 264.	2.9	19
32	Photoinduced inhibition of DNA repair enzymes and the possible mechanism of photochemical transformations of the ruthenium nitrosyl complex [RuNO(β-Pic) <sub>2</sub> (NO <sub>2</sub> ) <sub>2</sub> OH]. Metallomics, 2019, 11, 1999-2009.	2.4	19
33	A novel method of sample homogenization with the use of a microtome-cryostat apparatus. RSC Advances, 2019, 9, 37809-37817.	3.6	5
34	Mixed-metal clusters with a {Re <sub>3</sub> Mo <sub>3</sub> Se <sub>8</sub> } core: from a polymeric solid to soluble species with multiple redox transitions. Dalton Transactions, 2018, 47, 3366-3377.	3.3	13
35	From oxide to a new type of molecular tungsten compound: formation of bitetrahedral cluster complexes [{W6(μ4-O)2(μ3-CCN)4}(CN)16]10â^' and [{W6(μ4-O)2(μ3-As)4}(CN)16]10â^'. Chemical Com 2018, 54, 13837-13840.	municatio	ns,
36	From Photoinduced to Dark Cytotoxicity through an Octahedral Cluster Hydrolysis. Chemistry - A European Journal, 2018, 24, 17915-17920.	3.3	39

VADIM V YANSHOLE

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37	Metabolomics of the human aqueous humor. Metabolomics, 2017, 13, 1.	3.0	30
38	Hexaazide octahedral molybdenum cluster complexes: Synthesis, properties and the evidence of hydrolysis. Journal of Molecular Structure, 2017, 1134, 237-243.	3.6	36
39	Quantitative metabolomic analysis of the human cornea and aqueous humor. Metabolomics, 2017, 13, 1.	3.0	32
40	Aggregation of α-crystallins in kynurenic acid-sensitized UVA photolysis under anaerobic conditions. Physical Chemistry Chemical Physics, 2016, 18, 8827-8839.	2.8	29
41	Post-mortem changes in the metabolomic compositions of rabbit blood, aqueous and vitreous humors. Metabolomics, 2016, 12, 1.	3.0	25
42	Effect of the spacer length and nitroxide sterical shielding upon photostability of spin-labeled kynurenines. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 322-323, 76-84.	3.9	1
43	Spatial distribution of metabolites in the human lens. Experimental Eye Research, 2016, 143, 68-74.	2.6	17
44	Metabolomic composition of normal aged and cataractous human lenses. Experimental Eye Research, 2015, 134, 15-23.	2.6	68
45	Effect of SkQ1 eye drops on the rat lens metabolomic composition and the chaperone activity of α-crystallin. Doklady Biochemistry and Biophysics, 2015, 464, 341-345.	0.9	3
46	Wavelength-dependent photochemistry of acetaminophen in aqueous solutions. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 274, 117-123.	3.9	24
47	Photodegradation of 4,4-Bis(4-hydroxyphenyl)valeric acid and its inclusion complex with β-cyclodextrin in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 274, 27-32.	3.9	14
48	Synthesis, structure and DFT calculations of the first bioctahedral chalcohalide rhenium cluster complex (Et4N)4(Me2NH2)2[Re12CS17Br6]. Polyhedron, 2014, 68, 334-339.	2.2	10
49	Metabolomics of the rat lens: A combined LC-MS and NMR study. Experimental Eye Research, 2014, 125, 71-78.	2.6	55
50	Cataract-specific posttranslational modifications and changes in the composition of urea-soluble protein fraction from the rat lens. Molecular Vision, 2013, 19, 2196-208.	1.1	14
51	Deactivation of Excited States of Kynurenine Covalently Linked to Nitroxides. Photochemistry and Photobiology, 2011, 87, 22-31.	2.5	5
52	Antioxidative properties of nitroxyl radicals and hydroxyamines in reactions with triplet and deaminated kynurenine. Russian Chemical Bulletin, 2010, 59, 66-74.	1.5	14
53	Photoinduced tautomeric transformations of xanthurenic acid. Physical Chemistry Chemical Physics, 2010, 12, 9502.	2.8	15
54	Photophysics and Photochemistry of the UV Filter Kynurenine Covalently Attached to Amino Acids and to a Model Protein. Journal of Physical Chemistry B, 2010, 114, 11909-11919.	2.6	26

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55	Heterometallic Re/Mo and Re/W cubane-type cluster complexes. Inorganic Chemistry Frontiers, 0, , .	6.0	2