

# Vadim V Yanshole

## List of Publications by Year in descending order

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55  
papers

889  
citations

471371

17  
h-index

526166

27  
g-index

56  
all docs

56  
docs citations

56  
times ranked

885  
citing authors

#	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. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 422, 113559.	2.0	5
2	Self-assembly patterns of non-metalloid silver thiolates: structural, HR-ESI-MS and stability studies. <i>Dalton Transactions</i> , 2022, 51, 705-714.	1.6	6
3	Direct UV photodegradation of herbicide triclopyr in aqueous solutions: A mechanistic study. <i>Chemosphere</i> , 2022, 293, 133573.	4.2	10
4	Novel Copper(II) Complexes with Dipinodiazfluorene Ligands: Synthesis, Structure, Magnetic and Catalytic Properties. <i>Molecules</i> , 2022, 27, 4072.	1.7	6
5	Keggin-type polyoxometalate 1 $\alpha$ -complexes of Pb(II) and Bi(III): experimental, theoretical and luminescence studies. <i>Dalton Transactions</i> , 2021, 50, 6913-6922.	1.6	5
6	A previously unknown way of heme detoxification in the digestive tract of cats. <i>Scientific Reports</i> , 2021, 11, 8290.	1.6	0
7	Stabilization of Re <sup>3+</sup> /Re <sup>3+</sup> Metalloclusters by Cyanide Ligands in New Trinuclear Rhenium Cluster Complexes [Re <sub>3</sub> (CN) <sub>9</sub> ] <sub>4</sub> <sup>4-</sup> /[Re <sub>3</sub> (CN) <sub>9</sub> ] <sub>5</sub> <sup>5-</sup> (X = Br or I). <i>Inorganic Chemistry</i> , 2021, 60, 5980-5987.	1.9	3
8	In Vitro 1H NMR Metabolic Profiles of Liver, Brain, and Serum in Rats After Chronic Consumption of Alcohol. <i>Applied Magnetic Resonance</i> , 2021, 52, 661-675.	0.6	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> ] <sub>n</sub> <sup>n-</sup> . <i>Inorganic Chemistry</i> , 2021, 60, 8838-8850.	1.9	4
11	Activation of H <sub>2</sub> O <sub>2</sub> over Zr(IV). Insights from Model Studies on Zr-Monosubstituted Lindqvist Tungstates. <i>ACS Catalysis</i> , 2021, 11, 10589-10603.	5.5	25
12	Photochemistry of cerium(IV) ammonium nitrate (CAN) in acetonitrile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113440.	2.0	9
13	Coordination capacity of Keggin anions as polytopic ligands: case study of [Vn <sub>12</sub> O <sub>40</sub> ] <sub>15</sub> <sup>n-</sup> . <i>Dalton Transactions</i> , 2021, 50, 7078-7084.	1.6	5
14	Deep Learning for the Precise Peak Detection in High-Resolution LC-MS Data. <i>Analytical Chemistry</i> , 2020, 92, 588-592.	3.2	101
15	Niobium uptake by {P <sub>2</sub> W <sub>12</sub> } polyoxoanion with [NbO(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sup>+</sup> as Nb source. <i>Inorganica Chimica Acta</i> , 2020, 502, 119319.	1.2	2
16	Direct UVC photodegradation of imipramine in aqueous solutions: a mechanistic study. <i>Mendeleev Communications</i> , 2020, 30, 654-656.	0.6	2
17	Most abundant metabolites in tissues of freshwater fish pike-perch ( <i>Sander lucioperca</i> ). <i>Scientific Reports</i> , 2020, 10, 17128.	1.6	16
18	Water-soluble Rhenium Clusters with Triazoles: The Effect of Chemical Structure on Cellular Internalization and the DNA Binding of the Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 13904-13914.	1.7	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. <i>Chemical Physics Letters</i> , 2020, 754, 137647.	1.2	3
20	The {Re <sub>4</sub> } Tetrahedral Cyanometalate Cluster Anion [Re <sub>4</sub> ( $\frac{1}{4}$ -CCN) <sub>4</sub> ](CN) <sub>12</sub> ] <sup>8-</sup> with Inner ( $\frac{1}{4}$ -CCN) <sub>3</sub> ] <sup>6-</sup> Ligands and Its Features in Coordination of Cu <sup>2+</sup> Cations. <i>Inorganic Chemistry</i> , 2020, 59, 9710-9717.	1.9	4
21	Mechanism of photochromic transformations and photodegradation of an asymmetrical 2,3-diarylcyclopentenone. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5220-5228.	1.3	11
22	Is It Possible To Prepare a Heterometal Anderson-Evans Type Anion?. <i>Inorganic Chemistry</i> , 2020, 59, 2116-2120.	1.9	9
23	Easy Ligand Activation in the Coordination Sphere of Ru inside the [PW <sub>11</sub> O <sub>39</sub> ] <sup>7-</sup> Backbone. <i>Molecules</i> , 2020, 25, 1859.	1.7	4
24	Apically homoleptic octahedral rhenium cluster complexes with 3-methylpyrazole. <i>Inorganica Chimica Acta</i> , 2020, 510, 119738.	1.2	8
25	Tailoring Heterometallic Cluster Functional Building Blocks: Synthesis, Separation, Structural and DFT Studies of [Re <sub>6</sub> <sup>x</sup> Mo <sub>x</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sup>n-</sup> . <i>Chemistry - A European Journal</i> , 2019, 25, 15040-15045.	1.7	7
26	Reactions of [Ru(NO)Cl <sub>5</sub> ] <sup>2-</sup> with pseudotrilacunary {XW <sub>9</sub> O <sub>33</sub> ] <sup>9-</sup> (X = As <sup>III</sup> , Sb <sup>III</sup> ) anions. <i>Dalton Transactions</i> , 2019, 48, 15989-15999.	1.6	4
27	Water-soluble Re <sub>6</sub> -clusters with aromatic phosphine ligands from synthesis to potential biomedical applications. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 882-892.	3.0	34
28	Ovothiol A is the Main Antioxidant in Fish Lens. <i>Metabolites</i> , 2019, 9, 95.	1.3	23
29	Niobium uptake by a [P <sub>8</sub> W <sub>48</sub> O <sub>184</sub> ] <sup>40-</sup> macrocyclic polyanion. <i>New Journal of Chemistry</i> , 2019, 43, 9943-9952.	1.4	12
30	Quantitative metabolomic analysis of changes in the lens and aqueous humor under development of age-related nuclear cataract. <i>Metabolomics</i> , 2019, 15, 29.	1.4	36
31	Seasonal Variations and Interspecific Differences in Metabolomes of Freshwater Fish Tissues: Quantitative Metabolomic Profiles of Lenses and Gills. <i>Metabolites</i> , 2019, 9, 264.	1.3	19
32	Photoinduced inhibition of DNA repair enzymes and the possible mechanism of photochemical transformations of the ruthenium nitrosyl complex [RuNO( $\frac{1}{2}$ -Pic) <sub>2</sub> (NO) <sub>2</sub> ] <sub>2</sub> OH]. <i>Metallomics</i> , 2019, 11, 1999-2009.	1.0	19
33	A novel method of sample homogenization with the use of a microtome-cryostat apparatus. <i>RSC Advances</i> , 2019, 9, 37809-37817.	1.7	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. <i>Dalton Transactions</i> , 2018, 47, 3366-3377.	1.6	13
35	From oxide to a new type of molecular tungsten compound: formation of bitetrahedral cluster complexes [W <sub>6</sub> ( $\frac{1}{4}$ -O) <sub>2</sub> ( $\frac{1}{4}$ -CCN) <sub>4</sub> ](CN) <sub>16</sub> ] <sup>10-</sup> and [W <sub>6</sub> ( $\frac{1}{4}$ -O) <sub>2</sub> ( $\frac{1}{4}$ -As) <sub>4</sub> ](CN) <sub>16</sub> ] <sup>10-</sup> . <i>Chemical Communications</i> , 2018, 54, 13837-13840.	1.6	6
36	From Photoinduced to Dark Cytotoxicity through an Octahedral Cluster Hydrolysis. <i>Chemistry - A European Journal</i> , 2018, 24, 17915-17920.	1.7	39

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37	Metabolomics of the human aqueous humor. <i>Metabolomics</i> , 2017, 13, 1.	1.4	30
38	Hexaazide octahedral molybdenum cluster complexes: Synthesis, properties and the evidence of hydrolysis. <i>Journal of Molecular Structure</i> , 2017, 1134, 237-243.	1.8	36
39	Quantitative metabolomic analysis of the human cornea and aqueous humor. <i>Metabolomics</i> , 2017, 13, 1.	1.4	32
40	Aggregation of $\alpha$ -crystallins in kynurenic acid-sensitized UVA photolysis under anaerobic conditions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8827-8839.	1.3	29
41	Post-mortem changes in the metabolomic compositions of rabbit blood, aqueous and vitreous humors. <i>Metabolomics</i> , 2016, 12, 1.	1.4	25
42	Effect of the spacer length and nitroxide sterical shielding upon photostability of spin-labeled kynurenines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 322-323, 76-84.	2.0	1
43	Spatial distribution of metabolites in the human lens. <i>Experimental Eye Research</i> , 2016, 143, 68-74.	1.2	17
44	Metabolomic composition of normal aged and cataractous human lenses. <i>Experimental Eye Research</i> , 2015, 134, 15-23.	1.2	68
45	Effect of SkQ1 eye drops on the rat lens metabolomic composition and the chaperone activity of $\alpha$ -crystallin. <i>Doklady Biochemistry and Biophysics</i> , 2015, 464, 341-345.	0.3	3
46	Wavelength-dependent photochemistry of acetaminophen in aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 274, 117-123.	2.0	24
47	Photodegradation of 4,4-Bis(4-hydroxyphenyl)valeric acid and its inclusion complex with $\beta$ -cyclodextrin in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 274, 27-32.	2.0	14
48	Synthesis, structure and DFT calculations of the first biooctahedral chalcogenide rhenium cluster complex $(Et_4N)_4(Me_2NH_2)_2[Re_{12}CS_{17}Br_6]$ . <i>Polyhedron</i> , 2014, 68, 334-339.	1.0	10
49	Metabolomics of the rat lens: A combined LC-MS and NMR study. <i>Experimental Eye Research</i> , 2014, 125, 71-78.	1.2	55
50	Cataract-specific posttranslational modifications and changes in the composition of urea-soluble protein fraction from the rat lens. <i>Molecular Vision</i> , 2013, 19, 2196-208.	1.1	14
51	Deactivation of Excited States of Kynurenine Covalently Linked to Nitroxides. <i>Photochemistry and Photobiology</i> , 2011, 87, 22-31.	1.3	5
52	Antioxidative properties of nitroxyl radicals and hydroxyamines in reactions with triplet and deaminated kynurenine. <i>Russian Chemical Bulletin</i> , 2010, 59, 66-74.	0.4	14
53	Photoinduced tautomeric transformations of xanthurenic acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9502.	1.3	15
54	Photophysics and Photochemistry of the UV Filter Kynurenine Covalently Attached to Amino Acids and to a Model Protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11909-11919.	1.2	26

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55	Heterometallic Re/Mo and Re/W cubane-type cluster complexes. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	2