

# Oleksandr V Reshetnyak

## List of Publications by Year in descending order

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55  
papers

725  
citations

567281

15  
h-index

552781

26  
g-index

58  
all docs

58  
docs citations

58  
times ranked

853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical synthesis and application of palladium nanoparticles. <i>Journal of Materials Science</i> , 2015, 50, 2337-2354.	3.7	158
2	Co-polymers of aniline and nitroanilines. Part I. Mechanism of aniline oxidation polycondensation. <i>Materials Chemistry and Physics</i> , 2001, 69, 154-162.	4.0	46
3	The origin of luminescence accompanying electrochemical reduction or chemical decomposition of peroxydisulfates. <i>Journal of Luminescence</i> , 2003, 105, 27-34.	3.1	44
4	A possible scheme of electrochemiluminescence generation on platinum cathodes in aqueous solutions of peroxydisulfates. <i>Electrochimica Acta</i> , 1998, 43, 465-469.	5.2	37
5	Electrochemical synthesis and properties of gold nanomaterials. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 637-656.	2.5	37
6	Synthesis and properties of the polyanisidines. <i>Solid State Ionics</i> , 2001, 141-142, 217-224.	2.7	29
7	Origin and features of the electrochemiluminescence of luminol – Experimental and theoretical investigations. <i>Journal of Electroanalytical Chemistry</i> , 2005, 580, 41-49.	3.8	29
8	Electrochemiluminescence on np1-metals. <i>Electrochimica Acta</i> , 1999, 44, 4079-4086.	5.2	27
9	Structure and properties of lithium trivanadate – a potential electroactive material for a positive electrode of secondary storage. <i>Journal of Power Sources</i> , 2002, 107, 61-66.	7.8	20
10	Controlled gold deposition by pulse electrolysis. <i>Materials Letters</i> , 2015, 139, 296-299.	2.6	20
11	Thermodynamic properties of saturated solid solutions of Ag <sub>7</sub> SnSe <sub>5</sub> Br and Ag <sub>8</sub> SnSe <sub>6</sub> compounds in the Ag–Sn–Se–Br system measured by the EMF method. <i>Journal of Chemical Thermodynamics</i> , 2017, 106, 228-231.	2.0	19
12	Oxidative condensation and chemiluminescence of 5-amino-2,3-dihydro-1,4-phtalazinedione. <i>European Polymer Journal</i> , 2005, 41, 1315-1325.	5.4	17
13	Electrochemical determination of thermodynamic properties of saturated solid solutions of Hg <sub>2</sub> GeSe <sub>3</sub> , Hg <sub>2</sub> GeSe <sub>4</sub> , Ag <sub>2</sub> Hg <sub>3</sub> GeSe <sub>6</sub> , and Ag <sub>1.4</sub> Hg <sub>1.3</sub> GeSe <sub>6</sub> compounds in the Ag–Hg–Ge–Se system. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 833-837.	2.5	16
14	Determination of the thermodynamic properties of the Ag <sub>2</sub> CdSn <sub>3</sub> S <sub>8</sub> and Ag <sub>2</sub> CdSn <sub>4</sub> phases in the Ag–Cd–Sn–S system by the solid-state electrochemical cell method. <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 255-262.	2.0	16
15	Electrocatalytic activity of Pd–Au nanoalloys during methanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4444-4456.	7.1	16
16	Characterization of polyaniline thin films prepared on polyethylene terephthalate substrate. <i>Polymer Bulletin</i> , 2021, 78, 6251-6265.	3.3	16
17	Copolymers of aniline and nitroanilines. <i>Materials Chemistry and Physics</i> , 2001, 70, 38-48.	4.0	13
18	Thermodynamic Properties of Saturated Solid Solutions of the Phases Ag <sub>2</sub> PbGeS <sub>4</sub> , Ag <sub>0.5</sub> Pb <sub>1.75</sub> GeS <sub>4</sub> and Ag <sub>6.72</sub> Pb <sub>0.16</sub> Ge <sub>0.84</sub> S <sub>5.20</sub> of the Ag-Pb-Ge-S System Determined by EMF Method. <i>Journal of Phase Equilibria and Diffusion</i> , 2017, 38, 426-433.	1.4	13

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19	Nucleation and growth of Au and Au@Pd nanoparticles at the beginning of electrochemical deposition. <i>Materials Letters</i> , 2015, 161, 263-266.	2.6	12
20	Mechanism of the benzenediazonium tetrafluoroborate thermolysis in the solid state. <i>Thermochimica Acta</i> , 2006, 444, 1-5.	2.7	11
21	Galvanic Deposition of Gold and Palladium on Magnesium by the Method of Substitution. <i>Materials Science</i> , 2015, 51, 418-423.	0.9	10
22	Solid-state electrochemical synthesis and thermodynamic properties of selected compounds in the Ag-Fe-Pb-Se system. <i>Solid State Sciences</i> , 2020, 107, 106344.	3.2	10
23	Phase Equilibria and Thermodynamics of Selected Compounds in the Ag-Fe-Sn-S System. <i>Journal of Electronic Materials</i> , 2018, 47, 5433-5442.	2.2	9
24	Electromagnetic radiation during electrolysis of heavy water. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 189, 15-18.	2.1	7
25	Surface modification of silver microparticles with 4-thioaniline. <i>Electrochimica Acta</i> , 2010, 55, 5154-5162.	5.2	7
26	Non-activation synthesis and thermodynamic properties of ternary compounds of the Ag-Te-Br system. <i>Thermochimica Acta</i> , 2021, 698, 178862.	2.7	7
27	Properties of the Hybrid Glauconite/Polyaniline Composites Synthesized in the Aqueous Citrate Acid Solutions. <i>Chemistry and Chemical Technology</i> , 2016, 10, 429-435.	1.1	7
28	Spectral features of electrochemiluminescence accompanying reduction of aryldiazonium salts on a copper cathode. <i>Electrochemistry Communications</i> , 2001, 3, 1-5.	4.7	6
29	Nanostructured gold-palladium electrodeposited in dimethyl sulfoxide solutions. <i>Materials Letters</i> , 2015, 158, 317-321.	2.6	6
30	Deposition of Copper, Silver, and Nickel on Aluminum by Galvanic Replacement. <i>Materials Science</i> , 2018, 53, 488-494.	0.9	6
31	The Equilibrium Phase Formation and Thermodynamic Properties of Functional Tellurides in the Ag-Fe-Ge-Te System. <i>Energies</i> , 2021, 14, 1314.	3.1	6
32	Role of molecular oxygen and its active forms in generation of electrochemiluminescence. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 1111-1118.	0.9	5
33	Thermodynamic Properties of AgIn <sub>2</sub> Te <sub>3</sub> I and AgIn <sub>2</sub> Te <sub>3</sub> Br, Determined by EMF Method. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 19-23.	0.6	5
34	Properties of Glauconite/Polyaniline Composite Prepared in Aqueous Solution of Citric Acid. <i>Journal of Polymers and the Environment</i> , 2016, 24, 196-205.	5.0	4
35	Thermodynamic Properties of Magnetic Semiconductors Ag <sub>2</sub> FeSn <sub>3</sub> S <sub>8</sub> and Ag <sub>2</sub> FeSn <sub>4</sub> Determined by the EMF Method. <i>Minerals, Metals and Materials Series</i> , 2018, , 87-98.	0.4	3
36	Synthesis and Thermodynamic Investigation of Energy Materials in the Ag-Te-Cl System by the Solid-State Galvanic Cells. <i>Jom</i> , 2021, 73, 1487-1494.	1.9	3

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37	ELECTROCHEMICAL PROPERTIES OF THE COMPOSITES SYNTHESIZED FROM POLYANILINE AND MODIFIED MWCNT. <i>Chemistry and Chemical Technology</i> , 2017, 11, 261-269.	1.1	3
38	Thermal Stability and Thermodynamics of the Ag <sub>2</sub> ZnGeS <sub>4</sub> Compound. <i>Minerals, Metals and Materials Series</i> , 2019, , 215-226.	0.4	2
39	ELECTROCHEMISTRY OF FUNCTIONAL MATERIALS AND SYSTEMS (EFMS). <i>Ukrainian Chemistry Journal</i> , 2021, 87, 61-76.	0.5	2
40	Hybrid Mineral-Polymeric Composite Materials on the Basis of the Polyaniline and Glauconite-Silica. <i>Chemistry and Chemical Technology</i> , 2013, 7, 441-444.	1.1	2
41	Physical Sorption of Molecular Hydrogen by Microporous Organic Polymers. <i>Chemistry and Chemical Technology</i> , 2019, 13, 85-94.	1.1	2
42	Fluorine-containing polyamphiphiles of block structure constructed of synthetic and biopolymer blocks. <i>Biopolymers and Cell</i> , 2018, 34, 207-217.	0.4	2
43	THERMODYNAMIC PROPERTIES OF SILVER-CONTAINING COMPOUNDS OF THE Ag-Fe-Sn-S SYSTEM OBTAINED BY LOW-TEMPERATURE SOLID-STATE SYNTHESIS. <i>Ukrainian Chemistry Journal</i> , 2020, 86, 34-50.	0.5	2
44	Reaction of metals with benzenediazonium tetrafluoroborate in aprotic solvents. <i>Open Chemistry</i> , 2010, 8, 652-661.	1.9	1
45	Calculation of thermodynamic functions of saturated solid solution of AgIn <sub>2</sub> Te <sub>3</sub> I compound in the Ag-In-Te-I system. <i>EPJ Web of Conferences</i> , 2017, 133, 04002.	0.3	1
46	Thermodynamic study of phase equilibrium of superionic alloys of Ag <sub>3</sub> SBr <sub>1-x</sub> Cl <sub>x</sub> system in the concentration range 0.0-0.4 and temperature range 370-395 K. <i>Archives of Thermodynamics</i> , 2017, 38, 27-38.	1.0	1
47	Thermodynamic Properties of Superionic Phase Ag <sub>4</sub> HgSe <sub>2</sub> I <sub>2</sub> Determined by the EMF Method. <i>Journal of Phase Equilibria and Diffusion</i> , 2018, 39, 11-16.	1.4	1
48	The Fast Silver Ion Conducting Solid-State Electrolytes for Deriving Thermodynamic Data. , 0, , .		1
49	Thermodynamic Examination of Quaternary Compounds in the Ag-Fe-(Ge, Sn)-Se Systems by the Solid-State EMF Method. <i>Minerals, Metals and Materials Series</i> , 2021, , 271-283.	0.4	1
50	Thermodynamic Properties of Layered Tetradymite-like Compounds of the Ag-Ge-Sb-Te System. <i>Minerals, Metals and Materials Series</i> , 2020, , 275-287.	0.4	1
51	COMPOSITE MATERIALS BASED ON POLYANILINE AND NATURAL MINERALS: SHORT REVIEW. 1. FEATURES OF SYNTHESIS, PROPERTIES AND APPLICATIONS. <i>Proceedings of the Shevchenko Scientific Society Series Ďhemical Sciences</i> , 2018, 2018, 92-131.	0.1	1
52	Properties of the Composites Made of Glauconite and Polyaniline in Aqueous Solutions of Phosphoric Acid. <i>Chemistry and Chemical Technology</i> , 2020, 14, 487-495.	1.1	1
53	SYNTHESIS OF THE ZEOLITE/POLYANILINE COMPOSITES AND THEIR APPLICATION FOR THE DISPOSAL OF Cr(VI) FROM WATER SOLUTIONS. <i>Proceedings of the Shevchenko Scientific Society Series Ďhemical Sciences</i> , 2019, 2019, 130-143.	0.1	0
54	PROFESSOR EUGEN KOVALĎCHUK AND SCIENTIFIC SCHOOL "PHYSICO-CHEMISTRY OF POLYMERS": 2019 - THE YEAR OF TWO ANNIVERSARIES. <i>Proceedings of the Shevchenko Scientific Society Series Ďhemical Sciences</i> , 2019, 2019, 178-190.	0.1	0

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55	Synthesis and Electrochemical Properties of Polyaniline Composites. , 2020, , .		0