

# Vasil eva

## List of Publications by Citations

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56  
papers

430  
citations

12  
h-index

18  
g-index

56  
ext. papers

472  
ext. citations

2  
avg, IF

3.31  
L-index

#	Paper	IF	Citations
56	Plasma-electrolytic formation, composition and catalytic activity of manganese oxide containing structures on titanium. <i>Applied Surface Science</i> , <b>2005</b> , 252, 1211-1220	6.7	60
55	Cobalt-containing oxide layers on titanium, their composition, morphology, and catalytic activity in CO oxidation. <i>Applied Surface Science</i> , <b>2010</b> , 257, 1239-1246	6.7	34
54	Thermal behavior and catalytic activity in naphthalene destruction of Ce-, Zr- and Mn-containing oxide layers on titanium. <i>Applied Surface Science</i> , <b>2011</b> , 258, 719-726	6.7	26
53	Aluminum- and titanium-supported plasma electrolytic multicomponent coatings with magnetic, catalytic, biocide or biocompatible properties. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1219-1235	4.4	26
52	Electroanalytical properties of metal oxide electrodes formed by plasma electrolytic oxidation. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 689, 262-268	4.1	24
51	Titanium-supported nickel-copper oxide catalysts for oxidation of carbon(II) oxide. <i>Russian Journal of General Chemistry</i> , <b>2010</b> , 80, 1557-1562	0.7	20
50	Catalytic properties of aluminum/nickel-, copper-containing oxide film compositions. <i>Kinetics and Catalysis</i> , <b>2008</b> , 49, 439-445	1.5	18
49	W-containing oxide layers obtained on aluminum and titanium by PEO as catalysts in thiophene oxidation. <i>Applied Surface Science</i> , <b>2017</b> , 422, 1007-1014	6.7	16
48	Thermal behavior of Ni- and Cu-containing plasma electrolytic oxide coatings on titanium. <i>Applied Surface Science</i> , <b>2012</b> , 258, 8667-8672	6.7	15
47	Ni- and Cu-containing oxide layers on aluminum: Formation, composition, and catalytic properties. <i>Doklady Physical Chemistry</i> , <b>2007</b> , 415, 183-185	0.8	15
46	Producing and studying oxide coatings containing manganese and nickel compounds on titanium from electrolyte suspensions. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2012</b> , 48, 106-115	0.9	12
45	Phase Composition of Coatings Formed on Titanium in Borate Electrolyte by Microarch Oxidation. <i>Russian Journal of Applied Chemistry</i> , <b>2002</b> , 75, 569-572	0.8	12
44	FeO <sub>x</sub> , SiO <sub>2</sub> , TiO <sub>2</sub> /Ti composites prepared using plasma electrolytic oxidation as photo-Fenton-like catalysts for phenol degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 356, 38-45	4.7	10
43	Formation, composition, structure, and catalytic activity in CO oxidation of SiO <sub>2</sub> + TiO <sub>2</sub> /Ti composite before and after modification by MnO <sub>x</sub> or CoO <sub>x</sub> . <i>Surface and Coatings Technology</i> , <b>2015</b> , 275, 84-89	4.4	9
42	Plasma-electrochemical formation of oxide layers on titanium in aqueous electrolytes with trilonate complexes of manganese. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 434-439	0.8	9
41	Cobalt-containing layers on titanium. <i>Inorganic Materials</i> , <b>2007</b> , 43, 642-644	0.9	8
40	WO <sub>x</sub> , SiO <sub>2</sub> , TiO <sub>2</sub> /Ti composites, fabricated by means of plasma electrolytic oxidation, as catalysts of ethanol dehydration into ethylene. <i>Russian Journal of Physical Chemistry A</i> , <b>2015</b> , 89, 968-973	0.7	7

39	Characterization and photocatalytic activity of SiO <sub>2</sub> , FeOx coatings formed by plasma electrolytic oxidation of titanium. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1310-1314	4.4	7
38	On the Surface Structure of Coatings Formed by Anodic Spark Method. <i>Protection of Metals</i> , <b>2004</b> , 40, 352-357		7
37	Catalytic Activity of Manganese-containing Layers Formed by Anodic-Spark Deposition. <i>Russian Journal of Applied Chemistry</i> , <b>2004</b> , 77, 218-221	0.8	7
36	Composition and Catalytic Activity of Plasma-Electrolytic Manganese Oxide Films on Titanium, Modified with Silver Compounds. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 1859-1863	0.8	7
35	Thermally Controlled Formation of WO <sub>3</sub> Nano- and Microcrystals on the Surface of Coatings Produced on Titanium by Plasma Electrolytic Oxidation. <i>Inorganic Materials</i> , <b>2019</b> , 55, 681-686	0.9	6
34	The porous structure of silicon-containing surface layers formed on titanium by plasma-electrolytic oxidation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2014</b> , 50, 499-507	0.9	6
33	Nickel- and copper-containing oxide films on titanium. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 1708-1712	1.5	6
32	The effect of annealing on the composition and morphology of the surface of Ni-containing oxide layers on titanium formed by plasma-electrolytic method. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 575-579	0.8	5
31	Producing and investigating oxide coatings containing manganese and nickel compounds on titanium from electrolyte suspensions. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2010</b> , 46, 593-598	0.9	5
30	Composition, structure, and photocatalytic properties of Fe-containing oxide layers on titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2017</b> , 53, 879-888	0.9	4
29	Surface structure of multicomponent oxide coatings on titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 709-712	0.9	4
28	Influence of plasma-electrolytic treatment of titanium on the composition and properties of ruthenium-titanium oxide anodes. <i>Russian Journal of Applied Chemistry</i> , <b>2004</b> , 77, 1945-1950	0.8	4
27	Plasma Electrolytic Formation of WO <sub>3</sub> -CuO or WO <sub>3</sub> -CuWO <sub>4</sub> Oxide Layers on Titanium. <i>Key Engineering Materials</i> , <b>2019</b> , 806, 51-56	0.4	3
26	Fabrication of oxide coatings containing bismuth silicate or bismuth titanate on titanium. <i>Vacuum</i> , <b>2015</b> , 122, 59-65	3.7	3
25	Ti/TiO <sub>2</sub> indicator electrodes formed by plasma electrolytic oxidation for potentiometric analysis. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2016</b> , 96, 1128-1144	1.8	3
24	Deposition of cobalt-containing films on titanium by plasma electrolytic oxidation. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 953-956	0.8	3
23	Photocatalytic properties of Zn- and Cd-containing oxide layers on titanium formed by plasma electrolytic oxidation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2017</b> , 53, 711-715	0.9	3
22	Effect of the Composition of Oxide Layers Formed by Plasma Electrolytic Oxidation on the Mechanism of Peroxide Oxidative Desulfurization. <i>Kinetics and Catalysis</i> , <b>2020</b> , 61, 283-290	1.5	3

21	Silicate anodic coatings on aluminum containing oxides of cobalt and/or copper and/or cerium and their activity in CO oxidation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2015</b> , 51, 821-828	0.9	2
20	An effect of heat processing on catalytic activity of a system MnO <sub>x</sub> , SiO <sub>2</sub> /TiO <sub>2</sub> /Ti. <i>Russian Journal of Applied Chemistry</i> , <b>2013</b> , 86, 112-115	0.8	2
19	Composition, Surface Structure and Catalytic Properties of Manganese- and Cobalt-Containing Oxide Layers on Titanium. <i>Advanced Materials Research</i> , <b>2014</b> , 875-877, 351-355	0.5	2
18	Distribution of elements in the surface layer of plasma-electrolytic coatings formed on titanium in electrolytes with MnO <sub>2</sub> particles. <i>Russian Journal of Physical Chemistry A</i> , <b>2011</b> , 85, 1798-1803	0.7	2
17	MORPHOLOGICAL ELEMENTS OF THE RuO <sub>2</sub> /TiO <sub>2</sub> COATING AS DISPLAYED AT DIFFERENT SCALE LEVELS AND POSSIBLE MODELS OF ITS CONDUCTIVITY. <i>Surface Review and Letters</i> , <b>2003</b> , 10, 101-104	1.1	2
16	Manganese-Containing Anodic Layers on Titanium. <i>Russian Journal of Applied Chemistry</i> , <b>2003</b> , 76, 1059-1066	1.1	2
15	On the Effect of an Electrolyte and Impregnating Solution on Microcrystal Growth on the Surface of W-Containing PEO Coatings on Titanium at Oxidative Annealing. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2020</b> , 56, 1201-1209	0.9	2
14	The Effect of Acetonitrile Additives to Tetraborate Electrolyte on the Composition and Morphology of PEO Layers on Titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2019</b> , 55, 473-480	0.9	1
13	Preparation and Study of Ti/TiO <sub>2</sub> , SbO <sub>x</sub> pH Electrodes. <i>Journal of Analytical Chemistry</i> , <b>2020</b> , 75, 246-253	1.1	1
12	Behavior of a ruthenium-titanium oxide film electrode (RTOE) in potentiometry. <i>Journal of Analytical Chemistry</i> , <b>2012</b> , 67, 550-554	1.1	1
11	Certain characteristics of nickel-containing and copper-containing oxide-phosphate layers on titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 576-579	0.9	1
10	Ti/TiO <sub>2</sub> -CoWO <sub>4</sub> -Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> composites: Plasma electrolytic synthesis, optoelectronic properties, and solar light-driven photocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 863, 158066	5.7	1
9	Preparation and Photocatalytic Properties of Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> SiO <sub>5</sub> Heterostructures. <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 943-949	1.5	1
8	Thermal Transformation of the Surface of Mn-, W-Containing Plasma Electrolytic Oxide Coatings on Titanium. <i>Russian Journal of Applied Chemistry</i> , <b>2019</b> , 92, 1674-1679	0.8	1
7	Role and behavior of ultra-thin gold films on the fiber materials surface in the CO oxidation process. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 852, 157042	5.7	1
6	Plasma electrolytic synthesis and characterization of oxide coatings with MWO <sub>4</sub> (M = Co, Ni, Cu) as photo-Fenton heterogeneous catalysts. <i>Surface and Coatings Technology</i> , <b>2021</b> , 424, 127640	4.4	1
5	Oxidative destruction of phenol on Fe/SiO catalysts. <i>Water Science and Technology</i> , <b>2020</b> , 81, 2189-2201	2.2	0
4	Thermally Stimulated Evolution of the Surface of Ni- and Cu-Containing Plasma-Electrolytic Oxide Coatings on Titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2019</b> , 55, 719-728	0.9	

- 3 Plasma Electrolytic Synthesis and Characteristics of  $\text{WO}_3/\text{FeO}/\text{Fe}_2\text{O}_3$  and  $\text{WO}_3/\text{FeO}/\text{Fe}_2(\text{WO}_4)_3$  Heterostructures. *Protection of Metals and Physical Chemistry of Surfaces*, **2021**, 57, 543-549 0.9
- 2 Advanced Methods for the Formation of Crust Catalysts for Oxidative Desulfurization. *Kinetics and Catalysis*, **2021**, 62, 828-837 1.5
- 1 Features of Coalescence of Gold on the Surface of Different Supports during Catalytic Oxidation of CO. *Protection of Metals and Physical Chemistry of Surfaces*, **2021**, 57, 1172-1179 0.9