Vasil eva

List of Publications by Citations

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. *Applied Surface Science*, **2005**, 252, 1211-1220	6.7	60
55	Cobalt-containing oxide layers on titanium, their composition, morphology, and catalytic activity in CO oxidation. *Applied Surface Science*, **2010**, 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. *Applied Surface Science*, **2011**, 258, 719-726	6.7	26
53	Aluminum- and titanium-supported plasma electrolytic multicomponent coatings with magnetic, catalytic, biocide or biocompatible properties. *Surface and Coatings Technology*, **2016**, 307, 1219-1235	4.4	26
52	Electroanalytical properties of metal oxide electrodes formed by plasma electrolytic oxidation. *Journal of Electroanalytical Chemistry*, **2013**, 689, 262-268	4.1	24
51	Titanium-supported nickel-copper oxide catalysts for oxidation of carbon(II) oxide. *Russian Journal of General Chemistry*, **2010**, 80, 1557-1562	0.7	20
50	Catalytic properties of aluminum/nickel-, copper-containing oxide film compositions. *Kinetics and Catalysis*, **2008**, 49, 439-445	1.5	18
49	W-containing oxide layers obtained on aluminum and titanium by PEO as catalysts in thiophene oxidation. *Applied Surface Science*, **2017**, 422, 1007-1014	6.7	16
48	Thermal behavior of Ni- and Cu-containing plasma electrolytic oxide coatings on titanium. *Applied Surface Science*, **2012**, 258, 8667-8672	6.7	15
47	Ni- and Cu-containing oxide layers on aluminum: Formation, composition, and catalytic properties. *Doklady Physical Chemistry*, **2007**, 415, 183-185	0.8	15
46	Producing and studying oxide coatings containing manganese and nickel compounds on titanium from electrolyte suspensions. *Protection of Metals and Physical Chemistry of Surfaces*, **2012**, 48, 106-115	0.9	12
45	Phase Composition of Coatings Formed on Titanium in Borate Electrolyte by Microarch Oxidation. *Russian Journal of Applied Chemistry*, **2002**, 75, 569-572	0.8	12
44	FeOx,SiO2,TiO2/Ti composites prepared using plasma electrolytic oxidation as photo-Fenton-like catalysts for phenol degradation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 356, 38-45	4.7	10
43	Formation, composition, structure, and catalytic activity in CO oxidation of SiO 2 + TiO 2 /Ti composite before and after modification by MnO x or CoO x. *Surface and Coatings Technology*, **2015** , 275, 84-89	4.4	9
42	Plasma-electrochemical formation of oxide layers on titanium in aqueous electrolytes with trilonate complexes of manganese. *Russian Journal of Applied Chemistry*, **2010**, 83, 434-439	0.8	9
41	Cobalt-containing layers on titanium. *Inorganic Materials*, **2007**, 43, 642-644	0.9	8
40	WO x , SiO2, TiO2/Ti composites, fabricated by means of plasma electrolytic oxidation, as catalysts of ethanol dehydration into ethylene. *Russian Journal of Physical Chemistry A*, **2015**, 89, 968-973	0.7	7

39	Characterization and photocatalytic activity of SiO2, FeOx coatings formed by plasma electrolytic oxidation of titanium. *Surface and Coatings Technology*, **2016**, 307, 1310-1314	4.4	7
38	On the Surface Structure of Coatings Formed by Anodic Spark Method. *Protection of Metals*, **2004**, 40, 352-357		7
37	Catalytic Activity of Manganese-containing Layers Formed by Anodic-Spark Deposition. *Russian Journal of Applied Chemistry*, **2004**, 77, 218-221	0.8	7
36	Composition and Catalytic Activity of Plasma-Electrolytic Manganese Oxide Films on Titanium, Modified with Silver Compounds. *Russian Journal of Applied Chemistry*, **2005**, 78, 1859-1863	0.8	7
35	Thermally Controlled Formation of WO3 Nano- and Microcrystals on the Surface of Coatings Produced on Titanium by Plasma Electrolytic Oxidation. *Inorganic Materials*, **2019**, 55, 681-686	0.9	6
34	The porous structure of silicon-containing surface layers formed on titanium by plasma-electrolytic oxidation. *Protection of Metals and Physical Chemistry of Surfaces*, **2014**, 50, 499-507	0.9	6
33	Nickel- and copper-containing oxide films on titanium. *Russian Journal of Inorganic Chemistry*, **2009**, 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. *Russian Journal of Applied Chemistry*, **2012**, 85, 575-579	0.8	5
31	Producing and investigating oxide coatings containing manganese and nickel compounds on titanium from electrolyte suspensions. *Protection of Metals and Physical Chemistry of Surfaces*, **2010** , 46, 593-598	0.9	5
30	Composition, structure, and photocatalytic properties of Fe-containing oxide layers on titanium. *Protection of Metals and Physical Chemistry of Surfaces*, **2017**, 53, 879-888	0.9	4
29	Surface structure of multicomponent oxide coatings on titanium. *Protection of Metals and Physical Chemistry of Surfaces*, **2009**, 45, 709-712	0.9	4
28	Influence of plasma-electrolytic treatment of titanium on the composition and properties of ruthenium-titanium oxide anodes. *Russian Journal of Applied Chemistry*, **2004**, 77, 1945-1950	0.8	4
27	Plasma Electrolytic Formation of WO3-CuO or WO3-CuWO4 Oxide Layers on Titanium. *Key Engineering Materials*, **2019**, 806, 51-56	0.4	3
26	Fabrication of oxide coatings containing bismuth silicate or bismuth titanate on titanium. *Vacuum*, **2015**, 122, 59-65	3.7	3
25	Ti/TiO2 indicator electrodes formed by plasma electrolytic oxidation for potentiometric analysis. *International Journal of Environmental Analytical Chemistry*, **2016**, 96, 1128-1144	1.8	3
24	Deposition of cobalt-containing films on titanium by plasma electrolytic oxidation. *Russian Journal of Applied Chemistry*, **2012**, 85, 953-956	0.8	3
23	Photocatalytic properties of Zn- and Cd-containing oxide layers on titanium formed by plasma electrolytic oxidation. *Protection of Metals and Physical Chemistry of Surfaces*, **2017**, 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. *Kinetics and Catalysis*, **2020**, 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. *Protection of Metals and Physical Chemistry of Surfaces*, **2015**, 51, 821-828	0.9	2
20	An effect of heat processing on catalytic activity of a system MnO x ,SiO2/TiO2/Ti. *Russian Journal of Applied Chemistry*, **2013**, 86, 112-115	0.8	2
19	Composition, Surface Structure and Catalytic Properties of Manganese- and Cobalt-Containing Oxide Layers on Titanium. *Advanced Materials Research*, **2014**, 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 MnO2 particles. *Russian Journal of Physical Chemistry A*, **2011**, 85, 1798-1803	0.7	2
17	MORPHOLOGICAL ELEMENTS OF THE RuO2□TiO2 COATING AS DISPLAYED AT DIFFERENT SCALE LEVELS AND POSSIBLE MODELS OF ITS CONDUCTIVITY. *Surface Review and Letters*, **2003**, 10, 101-104	1.1	2
16	Manganese-Containing Anodic Layers on Titanium. *Russian Journal of Applied Chemistry*, **2003**, 76, 1059-1066	0.8	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. *Protection of Metals and Physical Chemistry of Surfaces*, **2020**, 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. *Protection of Metals and Physical Chemistry of Surfaces*, **2019**, 55, 473-480	0.9	1
13	Preparation and Study of Ti/TiO2,SbOx pH Electrodes. *Journal of Analytical Chemistry*, **2020**, 75, 246-253	1.1	1
12	Behavior of a ruthenium-titanium oxide film electrode (RTOE) in potentiometry. *Journal of Analytical Chemistry*, **2012**, 67, 550-554	1.1	1
11	Certain characteristics of nickel-containing and copper-containing oxide-phosphate layers on titanium. *Protection of Metals and Physical Chemistry of Surfaces*, **2009**, 45, 576-579	0.9	1
10	Ti/TiO2-CoWO4-Co3(PO4)2 composites: Plasma electrolytic synthesis, optoelectronic properties, and solar light-driven photocatalytic activity. *Journal of Alloys and Compounds*, **2021**, 863, 158066	5.7	1
9	Preparation and Photocatalytic Properties of □Bi2O3/Bi2SiO5 Heterostructures. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 943-949	1.5	1
8	Thermal Transformation of the Surface of Mn-, W-Containing Plasma Electrolytic Oxide Coatings on Titanium. *Russian Journal of Applied Chemistry*, **2019**, 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. *Journal of Alloys and Compounds*, **2021**, 852, 157042	5.7	1
6	Plasma electrolytic synthesis and characterization of oxide coatings with MWO4 (M = Co, Ni, Cu) as photo-Fenton heterogeneous catalysts. *Surface and Coatings Technology*, **2021**, 424, 127640	4.4	1
5	Oxidative destruction of phenol on Fe/SiO catalysts. *Water Science and Technology*, **2020**, 81, 2189-2201	2.2	0
4	Thermally Stimulated Evolution of the Surface of Ni- and Cu-Containing Plasma-Electrolytic Oxide Coatings on Titanium. *Protection of Metals and Physical Chemistry of Surfaces*, **2019**, 55, 719-728	0.9	

3	Plasma Electrolytic Synthesis and Characteristics of WO3□eO□e2O3 and WO3□eO□e2(WO4)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