Ilya V Pobelov

List of Publications by Year
in descending order

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41 papers	1,842 citations	377584 21 h-index	355658 38 g-index
42 all docs	42 docs citations	42 times ranked	2220 citing authors

#	Article	IF	Citations
1	Zika Virus-Derived E-DIII Protein Displayed on Immunologically Optimized VLPs Induces Neutralizing Antibodies without Causing Enhancement of Dengue Virus Infection. Vaccines, 2019, 7, 72.	2.1	33
2	Interfacial electron transfer between Geobacter sulfurreducens and gold electrodes via carboxylate-alkanethiol linkers: Effects of the linker length. Bioelectrochemistry, 2019, 126, 130-136.	2.4	7
3	Thermodynamics of Ions in Solutions. , 2018, , 299-315.		0
4	Dynamic breaking of a single gold bond. Nature Communications, 2017, 8, 15931.	5.8	28
5	ATR-SEIRAS study of formic acid adsorption and oxidation on Rh modified Au(111â€“25 nm) film electrodes in 0.1 M H2SO4. Journal of Electroanalytical Chemistry, 2017, 793, 70-76.	1.9	10
6	A redox-active radical as an effective nanoelectronic component: stability and electrochemical tunnelling spectroscopy in ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 27733-27737.	1.3	7
7	Electrochemical Scanning Tunneling Microscopy. , 2016, , 1000-1015.		0
8	Correlation of breaking forces, conductances and geometries of molecular junctions. Scientific Reports, 2015, 5, 9002.	1.6	48
9	Layer-by-layer grown scalable redox-active ruthenium-based molecular multilayer thin films for electrochemical applications and beyond. Nanoscale, 2015, 7, 17685-17692.	2.8	32
10	ATR-SEIRAS study of CO adsorption and oxidation on Rh modified Au(111-25 nm) film electrodes in 0.1 M H2SO4. Electrochimica Acta, 2015, 176, 1202-1213.	2.6	11
11	Electrochemical Scanning Tunneling Microscopy. , 2015, , 1-16.		0
12	Highly-effective gating of single-molecule junctions: an electrochemical approach. Chemical Communications, 2014, 50, 15975-15978.	2.2	53
13	Decoupling surface reconstruction and perchlorate adsorption on Au(111). Electrochemistry Communications, 2014, 44, 31-33.	2.3	9
14	Reconstruction and electrochemical oxidation of Au(110) surface in 0.1 M H2SO4. Electrochimica Acta, 2014, 139, 281-288.	2.6	21
15	Electrochemical control of a non-covalent binding between ferrocene and beta-cyclodextrin. Chemical Communications, 2014, 50, 11757-11759.	2.2	22
16	Breaking Force and Conductance of Gold Nanojunctions: Effect of Humidity. Journal of Physical Chemistry Letters, 2014, 5, 3560-3564.	2.1	5
17	Quantifying perchlorate adsorption on Au(1 1 1) electrodes. Electrochimica Acta, 2014, 146, 112-118.	2.6	22
18	Scanning electrochemical microscopy: Diffusion controlled approach curves for conical AFM-SECM tips. Electrochemistry Communications, 2013, 27, 29-33.	2.3	14

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19	Electrochemical current-sensing atomic force microscopy in conductive solutions. Nanotechnology, 2013, 24, 115501.	1.3	34
20	An approach to measure electromechanical properties of atomic and molecular junctions. Journal of Physics Condensed Matter, 2012, 24, 164210.	0.7	18
21	Electrochemical Scanning Tunneling Microscopy. , 2012, , 688-702.		1
22	Structural aspects of redox-mediated electron tunneling. Journal of Electroanalytical Chemistry, 2011, 660, 302-308.	1.9	17
23	Atomic Force Microscopy-Scanning Electrochemical Microscopy: Influence of Tip Geometry and Insulation Defects on Diffusion Controlled Currents at Conical Electrodes. Analytical Chemistry, 2011, 83, 2971-2977.	3.2	24
24	Fabrication of cone-shaped boron doped diamond and gold nanoelectrodes for AFMâ€“SECM. Nanotechnology, 2011, 22, 145306.	1.3	31
25	Charge Transport with Single Molecules â€“ An Electrochemical Approach. Chimia, 2010, 64, 383.	0.3	17
26	Influence of Conformation on Conductance of Biphenyl-Dithiol Single-Molecule Contacts. Nano Letters, 2010, 10, 156-163.	4.5	284
27	From Redox Gating to Quantized Charging. Journal of the American Chemical Society, 2010, 132, 8187-8193.	6.6	65
28	Structure transitions between copper-sulphate and copper-chloride UPD phases on Au(111). Journal of Chemical Sciences, 2009, 121, 745-756.	0.7	7
29	Redoxâ€Active Catecholâ€Functionalized Molecular Rods: Suitable Protection Groups and Singleâ€Molecule Transport Investigations. European Journal of Organic Chemistry, 2008, 2008, 136-149.	1.2	21
30	From Self-Assembly to Charge Transport with Single Molecules â€“ An Electrochemical Approach. Topics in Current Chemistry, 2008, 287, 181-255.	4.0	22
31	Electrolyte Gating in Redox-Active Tunneling Junctionsâ€”An Electrochemical STM Approach. Journal of the American Chemical Society, 2008, 130, 16045-16054.	6.6	158
32	Charge Transport in Single Au | Alkanedithiol | Au Junctions:â€‰ Coordination Geometries and Conformational Degrees of Freedom. Journal of the American Chemical Society, 2008, 130, 318-326.	6.6	464
33	Electrochemical gate-controlled electron transport of redox-active single perylene bisimide molecular junctions. Journal of Physics Condensed Matter, 2008, 20, 374122.	0.7	39
34	Current measurements in a wide dynamic rangeâ€”applications in electrochemical nanotechnology. Nanotechnology, 2007, 18, 424004.	1.3	51
35	Conductance of redox-active single molecular junctions: an electrochemical approach. Nanotechnology, 2007, 18, 044018.	1.3	77
36	Scanning Tunneling Microscopy and Spectroscopy Studies of 4-Methyl- 4â€²-(n-mercaptoalkyl)biphenyls on Au(111)-(1Ã—1). ChemPhysChem, 2007, 8, 1037-1048.	1.0	22

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37	Two-dimensional assembly and local redox-activity of molecular hybrid structures in an electrochemical environment. Faraday Discussions, 2006, 131, 121-143.	1.6	124
38	Correction for the Concentration Polarization for Simultaneous Reduction of Several Reactants: Platinum(II) Aquachloride Complexes. Russian Journal of Electrochemistry, 2004, 40, 924-929.	0.3	3
39	Reduction of an Ensemble of Platinum(II) Aquachloride Complexes: Dynamic Effect of the Solvent. Russian Journal of Electrochemistry, 2003, 39, 828-838.	0.3	8
40	Title is missing!. Russian Journal of Electrochemistry, 2001, 37, 233-243.	0.3	6
41	Nature of the â€˜current pitâ€™ in concentrated solutions. Journal of Electroanalytical Chemistry, 2000, 491, 126-138.	1.9	23