Alexander V Rudnev

List of Publications by Year
in descending order

41	1,647	304368 22	288905 40
papers	citations	h-index	g-index

44	44	44	2413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving the lifetime of hybrid CoPc@MWCNT catalysts for selective electrochemical CO2-to-CO conversion. Journal of Catalysis, 2022, 407, 198-205.	3.1	11
2	Oxo-functionalised mesoionic NHC nickel complexes for selective electrocatalytic reduction of CO₂ to formate. Green Chemistry, 2021, 23, 3365-3373.	4.6	10
3	The promoting effect of water on the electrodeposition of Eu in a dicyanamide ionic liquid. Electrochimica Acta, 2021, 379, 138169.	2.6	12
4	Interfacial effects in the electro(co)deposition of Nd, Fe, and Nd-Fe from an ionic liquid with controlled amount of water. Electrochimica Acta, 2021, 398, 139342.	2.6	8
5	Structural Changes of Au(111) Singleâ€Crystal Electrode Surface in Ionic Liquids. ChemElectroChem, 2020, 7, 501-508.	1.7	8
6	Environment Matters: CO₂RR Electrocatalyst Performance Testing in a Gas-Fed Zero-Gap Electrolyzer. ACS Catalysis, 2020, 10, 13096-13108.	5.5	55
7	Specific Cation Adsorption: Exploring Synergistic Effects on CO₂ Electroreduction in Ionic Liquids. ChemElectroChem, 2020, 7, 1897-1903.	1.7	23
8	Electrodeposition of chromium on single-crystal electrodes from solutions of Cr(II) and Cr(III) salts in ionic liquids. Journal of Electroanalytical Chemistry, 2020, 860, 113892.	1.9	14
9	Electrodeposition of lanthanides from ionic liquids and deep eutectic solvents. Russian Chemical Reviews, 2020, 89, 1463-1482.	2.5	22
10	Enhanced electrocatalytic CO formation from CO2 on nanostructured silver foam electrodes in ionic liquid/water mixtures. Electrochimica Acta, 2019, 306, 245-253.	2.6	35
11	A General and Facile Approach for the Electrochemical Reduction of Carbon Dioxide Inspired by Deep Eutectic Solvents. ChemSusChem, 2019, 12, 1635-1639.	3.6	36
12	Underpotential Deposition of Silver on Au(111) from an Airâ€and Waterâ€Stable Ionic Liquid Visualized by Inâ€Situ STM. ChemElectroChem, 2019, 6, 1149-1156.	1.7	8
13	Initial stages of silver electrodeposition on single crystal electrodes from ionic liquids. Electrochimica Acta, 2019, 299, 320-329.	2.6	18
14	Robust Organic Radical Molecular Junctions Using Acetylene Terminated Groups for Câ€“Au Bond Formation. Journal of the American Chemical Society, 2018, 140, 1691-1696.	6.6	79
15	Surface Structure Sensitivity of CO₂ Electroreduction on Lowâ€Index Gold Single Crystal Electrodes in Ionic Liquids. ChemElectroChem, 2018, 5, 748-752.	1.7	23
16	Pyrazolium Ionic Liquid Co-catalysts for the Electroreduction of CO2. ACS Applied Energy Materials, 2018, , .	2.5	7
17	Scanning probe microscopy of an electrode/ionic liquid interface. Current Opinion in Electrochemistry, 2017, 1, 59-65.	2.5	24
18	Single-molecule detection of dihydroazulene photo-thermal reaction using break junction technique. Nature Communications, 2017, 8, 15436.	5.8	106

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19	Stable anchoring chemistry for room temperature charge transport through graphite-molecule contacts. Science Advances, 2017, 3, e1602297.	4.7	23
20	Transport Matters: Boosting CO₂ Electroreduction in Mixtures of [BMIm][BF₄]/Water by Enhanced Diffusion. ChemPhysChem, 2017, 18, 3153-3162.	1.0	39
21	Single Graphene Layer on Pt(111) Creates Confined Electrochemical Environment via Selective Ion Transport. Angewandte Chemie, 2017, 129, 13063-13067.	1.6	1
22	Single Graphene Layer on Pt(111) Creates Confined Electrochemical Environment via Selective Ion Transport. Angewandte Chemie - International Edition, 2017, 56, 12883-12887.	7.2	32
23	Covalent Modification of Highly Ordered Pyrolytic Graphite with a Stable Organic Free Radical by Using Diazonium Chemistry. Chemistry - A European Journal, 2017, 23, 1415-1421.	1.7	14
24	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
25	The promoting effect of water on the electroreduction of CO 2 in acetonitrile. Electrochimica Acta, 2016, 189, 38-44.	2.6	57
26	Titelbild: DNA-Grafted Supramolecular Polymers: Helical Ribbon Structures Formed by Self-Assembly of Pyrene-DNA Chimeric Oligomers (Angew. Chem. 27/2015). Angewandte Chemie, 2015, 127, 7831-7831.	1.6	0
27	DNAâ€Grafted Supramolecular Polymers: Helical Ribbon Structures Formed by Selfâ€Assembly of Pyreneâ€“DNA Chimeric Oligomers. Angewandte Chemie, 2015, 127, 8045-8049.	1.6	7
28	Electrochemical COâ„ Reduction â€“ A Critical View on Fundamentals, Materials and Applications. Chimia, 2015, 69, 769.	0.3	130
29	Break junction under electrochemical gating: testbed for single-molecule electronics. Chemical Society Reviews, 2015, 44, 889-901.	18.7	205
30	Exploitation of desilylation chemistry in tailor-made functionalization on diverse surfaces. Nature Communications, 2015, 6, 6403.	5.8	29
31	In Situ Monitoring of Electrooxidation Processes at Gold Single Crystal Surfaces Using Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2015, 137, 7648-7651.	6.6	118
32	DNAâ€Grafted Supramolecular Polymers: Helical Ribbon Structures Formed by Selfâ€Assembly of Pyreneâ€“DNA Chimeric Oligomers. Angewandte Chemie - International Edition, 2015, 54, 7934-7938.	7.2	52
33	Tubes or sheets: divergent aggregation pathways of an amphiphilic 2,7-substituted pyrene trimer. Chemical Communications, 2015, 51, 16191-16193.	2.2	18
34	CO2 Electroreduction on Cu-Modified Platinum Single Crystal Electrodes in Aprotic Media. Electrocatalysis, 2015, 6, 42-50.	1.5	15
35	Electrochemical Control of Single-Molecule Conductance by Fermi-Level Tuning and Conjugation Switching. Journal of the American Chemical Society, 2014, 136, 17922-17925.	6.6	119
36	Promising anchoring groups for single-molecule conductance measurements. Physical Chemistry Chemical Physics, 2014, 16, 23529-23539.	1.3	106

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37	Electrochemical characterization of self-assembled ferrocene-terminated alkanethiol monolayers on low-index gold single crystal electrodes. Electrochimica Acta, 2013, 87, 770-778.	2.6	27
38	Ferrocene-terminated alkanethiol self-assembled monolayers: An electrochemical and in situ surface-enhanced infra-red absorption spectroscopy study. Electrochimica Acta, 2013, 107, 33-44.	2.6	45
39	An influence of pretreatment conditions on surface structure and reactivity of Pt(100) towards CO oxidation reaction. Russian Journal of Electrochemistry, 2012, 48, 259-270.	0.3	27
40	Electrochemical scanning tunnelling spectroscopy of a ferrocene-modified n-Si(111)-surface: electrolyte gating and ambipolar FET behaviour. Chemical Communications, 2011, 47, 9807.	2.2	20
41	Structural aspects of redox-mediated electron tunneling. Journal of Electroanalytical Chemistry, 2011, 660, 302-308.	1.9	17