Oleg V Levin

List of Publications by Year
in descending order

88 papers	1,181 citations	394421 19 h-index	454955 30 g-index
90 all docs	90 docs citations	90 times ranked	1024 citing authors

#	Article	IF	Citations
1	2020 Roadmap on gas-involved photo- and electro- catalysis. Chinese Chemical Letters, 2019, 30, 2089-2109.	9.0	71
2	Dual-nitrogen-source engineered Feâ€“N_x moieties as a booster for oxygen electroreduction. Journal of Materials Chemistry A, 2019, 7, 11007-11015.	10.3	62
3	Zinc-assisted MgO template synthesis of porous carbon-supported Fe-Nx sites for efficient oxygen reduction reaction catalysis in Zn-air batteries. Applied Catalysis B: Environmental, 2022, 313, 121454.	20.2	62
4	Polymeric nickel complexes with salen-type ligands for modification of supercapacitor electrodes: impedance studies of charge transfer and storage properties. Electrochimica Acta, 2017, 225, 378-391.	5.2	58
5	Charge transfer processes at poly-o-phenylenediamine and poly-o-aminophenol films. Electrochimica Acta, 2005, 50, 1573-1585.	5.2	55
6	Supramolecular Assembly of Metal Complexes by (Aryl)Iâ‹…â‹…â‹…d[Pt^{II}] Halogen Bonds. Chemistry - A European Journal, 2020, 26, 7692-7701.	3.3	54
7	Redox transformations in electroactive polymer films derived from complexes of nickel with SalEn-type ligands: computational, EQCM, and spectroelectrochemical study. Journal of Solid State Electrochemistry, 2015, 19, 453-468.	2.5	36
8	Redox-conducting polymers based on metal-<i>salen</i> complexes for energy storage applications. Pure and Applied Chemistry, 2020, 92, 1239-1258.	1.9	32
9	Highly Dispersed Cuâˆ'N_X Moieties Embedded in Graphene: A Promising Electrocatalyst towards the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 3323-3329.	3.4	30
10	Charge transfer processes on electrodes modified by polymer films of metal complexes with Schiff bases. Electrochimica Acta, 2013, 109, 153-161.	5.2	29
11	New functional conducting poly-3,4-ethylenedioxythiopene:polystyrene sulfonate/carboxymethylcellulose binder for improvement of capacity of LiFePO4-based cathode materials. Materials Letters, 2015, 161, 117-119.	2.6	27
12	N-doped carbon nanosheets with ultra-high specific surface area for boosting oxygen reduction reaction in Zn-air batteries. Applied Surface Science, 2021, 562, 150114.	6.1	26
13	Nickelâ€Salen Type Polymers as Cathode Materials for Rechargeable Lithium Batteries. Macromolecular Chemistry and Physics, 2017, 218, 1700361.	2.2	25
14	Halogen Bonding Involving Palladium(II) as an XB Acceptor. Crystal Growth and Design, 2021, 21, 1159-1177.	3.0	25
15	Effect of addition of a conducting polymer on the properties of the LiFePO4-based cathode material for lithium-ion batteries. Russian Journal of Applied Chemistry, 2015, 88, 1146-1149.	0.5	24
16	Polymeric Metal Salenâ€Type Complexes as Catalysts for Photoelectrocatalytic Hydrogen Peroxide Production. ChemElectroChem, 2018, 5, 3138-3142.	3.4	24
17	Switchable resistance conducting-polymer layer for Li-ion battery overcharge protection. Journal of Power Sources, 2021, 490, 229548.	7.8	22
18	The Effect of Electrode Potential on the Conductivity of Polymer Complexes of Nickel with Salen Ligands. Russian Journal of Electrochemistry, 2019, 55, 339-345.	0.9	21

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19	The Fast and the Capacious: A [Ni(Salen)]â€TEMPO Redoxâ€Conducting Polymer for Organic Batteries. Batteries and Supercaps, 2021, 4, 336-346.	4.7	21
20	Synthesis of New Porphyrinâ€“Fullerene Dyads Capable of Forming Chargeâ€Separated States on a Microsecond Lifetime Scale. Chemistry - A European Journal, 2015, 21, 1237-1250.	3.3	20
21	Spins at work: probing charging and discharging of organic radical batteries by electron paramagnetic resonance spectroscopy. Energy and Environmental Science, 2022, 15, 3275-3290.	30.8	20
22	Novel highly conductive cathode material based on stable-radical organic framework and polymerized nickel complex for electrochemical energy storage devices. Electrochimica Acta, 2019, 295, 1075-1084.	5.2	19
23	Electrochemical transformations of polymers formed from nickel (II) complexes with salen-type ligands in aqueous alkaline electrolytes. Electrochimica Acta, 2018, 271, 190-202.	5.2	18
24	Mixed solutions of silver cation and chloride anion in acetonitrile: Voltammetric and EQCM study. Physical Chemistry Chemical Physics, 2010, 12, 10525.	2.8	16
25	Water-stable [Ni(salen)]-type electrode material based on phenylazosubstituted salicylic aldehyde imine ligand. New Journal of Chemistry, 2017, 41, 13918-13928.	2.8	16
26	Interaction of amines with electrodes modified by polymeric complexes of Ni with salen-type ligands. Electrochimica Acta, 2016, 211, 726-734.	5.2	15
27	Photocurrent in Multilayered Assemblies of Porphyrinâ€“Fullerene Covalent Dyads: Evidence for Channels for Charge Transport. ChemSusChem, 2016, 9, 676-686.	6.8	14
28	Model treatment of double layer charging in electroactive polymer films with two kinds of charge carriers. Electrochimica Acta, 2006, 52, 133-151.	5.2	13
29	Quasi-equilibrium voltammetric curves resulting from the existence of two immobile charge carriers within electroactive polymer films. Electrochimica Acta, 2013, 108, 313-320.	5.2	13
30	Overcharge Cycling Effect on the Surface Layers and Crystalline Structure of LiFePO4 Cathodes of Li-Ion Batteries. Energies, 2019, 12, 4652.	3.1	13
31	Bimetallic Cu/Pt Oxygen Reduction Reaction Catalyst for Fuel Cells Cathode Materials. Catalysts, 2020, 10, 667.	3.5	13
32	The (Dioximate)Ni^{II}/I₂ System: Ligand Oxidation and Binding Modes of Triiodide Species. Inorganic Chemistry, 2020, 59, 2316-2327.	4.0	13
33	Direct synthesis of Ni2Al(OH)7âˆ’x(NO3)xÂ·nH2O layered double hydroxide nanolayers by SILD and their capacitive performance. Materials Letters, 2015, 139, 4-6.	2.6	12
34	Synthesis and study of catalysts of electrochemical oxygen reduction reaction based on polymer complexes of nickel and cobalt with Schiff bases. Russian Journal of Electrochemistry, 2016, 52, 1183-1190.	0.9	12
35	Arylâ€Aryl Coupling of Salicylic Aldehydes through Oxidative CHâ€activation in Nickel Salen Derivatives. ChemistrySelect, 2019, 4, 8886-8890.	1.5	12
36	Switching Competition between Electron and Energy Transfers in Porphyrinâ€“Fullerene Dyads. Journal of Physical Chemistry B, 2020, 124, 10899-10912.	2.6	11

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37	Sulfonated Polycatechol Immobilized in a Conductive Polymer for Enhanced Energy Storage. ACS Applied Energy Materials, 2021, 4, 5070-5078.	5.1	11
38	Criteria of the absence of short-range interactions within electroactive polymer films. Electrochimica Acta, 2012, 80, 426-431.	5.2	9
39	Quasi-equilibrium voltammetric curves of polaron-conducting polymer films. Electrochimica Acta, 2016, 188, 480-489.	5.2	8
40	Synthesis and electrochemical properties of poly(3,4-dihydroxystyrene) and its composites with conducting polymers. Synthetic Metals, 2019, 256, 116151.	3.9	8
41	Targeted Synthesis of NIR Luminescent Rhenium Diimine <i>cis,trans</i>â€[Re()(CO)₂(L)₂]ⁿ⁺ Complexes Containing <i>N</i>â€Donor Axial Ligands: Photophysical, Electrochemical, and Theoretical Studies. ChemPlusChem, 2020, 85, 2518-2527.	2.8	8
42	Electrochemical synthesis and characterization of poly [Ni(CH3Osalen)] with immobilized poly(styrenesulfonate) anion dopants. Electrochimica Acta, 2021, 368, 137637.	5.2	8
43	Variable-resistance materials for lithium-ion batteries. Russian Chemical Reviews, 2022, 91, .	6.5	8
44	Modeling of the overcharge behavior of lithium-ion battery cells protected by a voltage-switchable resistive polymer layer. Journal of Power Sources, 2021, 510, 230392.	7.8	8
45	Key Features of TEMPO-Containing Polymers for Energy Storage and Catalytic Systems. Energies, 2022, 15, 2699.	3.1	8
46	Electrical currents resulting from reduction/oxidation processes of tested particles on electrodes modified with metal-containing polymer films. Electrochimica Acta, 2011, 56, 3586-3596.	5.2	7
47	Electronic structure of the [Ni(Salen)] complex studied by core-level spectroscopies. Physical Chemistry Chemical Physics, 2021, 23, 11015-11027.	2.8	7
48	Low-temperature energy storage performance of NiSalen type polymer and it's composite with SWCNT. Electrochimica Acta, 2021, 383, 138309.	5.2	7
49	Double Layer Structural Effects in Cyclic Voltammetry Curves Complicated with Non-Equilibrium Injection of Charge Carriers into Redox Polymer Films. Electrochimica Acta, 2017, 241, 375-385.	5.2	6
50	Fabrication of composite nanoparticles based on VO2 with given structure and its optical and electrochemical performance. Journal of Physics and Chemistry of Solids, 2018, 121, 128-138.	4.0	6
51	Effect of Structure of Polymeric Nickel Complexes with Salen-Type Ligands on the Rate of Their Electroactivity Decay in Solutions of Water-Containing Electrolytes. Russian Journal of General Chemistry, 2018, 88, 277-283.	0.8	6
52	Inversion of the Photogalvanic Effect of Conductive Polymers by Porphyrin Dopants. Catalysts, 2021, 11, 729.	3.5	6
53	Electrochemical Properties of Poly-o-Phenylenediamine Films in Solutions with Variable Concentration of Hydronium Ions. Russian Journal of Electrochemistry, 2004, 40, 91-98.	0.9	5
54	Effect of interparticle interactions on the rate of injection of charge carriers into electroactive polymer films. Russian Journal of Electrochemistry, 2007, 43, 1016-1025.	0.9	5

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55	Using the rotating disk electrode for evaluating film porosity of conductive polymers. Russian Journal of Electrochemistry, 2008, 44, 98-103.	0.9	5
56	New functional materials based on conductive polymerâ€"metal complexes modified with metallic nanoelectrodes. Russian Chemical Bulletin, 2015, 64, 1919-1925.	1.5	5
57	Oxygen Electroreduction Catalysts Based on Polymer Complexes of Nickel with Schiff Bases. Russian Journal of Electrochemistry, 2018, 54, 769-774.	0.9	5
58	Dependence of Stability of the Polymerizesd Nickel Complexes with Schiff Bases on the Structure of the Ligand Diimine Bridge. ECS Transactions, 2018, 87, 167-177.	0.5	5
59	Novel homogeneous photocatalyst for oxygen to hydrogen peroxide reduction in aqueous media. Photochemical and Photobiological Sciences, 2019, 18, 1982-1989.	2.9	5
60	Mutually Isomeric 2- and 4-(3-Nitro-1,2,4-triazol-1-yl)pyrimidines Inspired by an Antimycobacterial Screening Hit: Synthesis and Biological Activity against the ESKAPE Panel of Pathogens. Antibiotics, 2020, 9, 666.	3.7	5
61	The Implication of 1,3â€Dipolar Cycloaddition of Azomethine Ylides to the Synthesis of Mainâ€Chain Porphyrin Oligomers. Macromolecular Chemistry and Physics, 2014, 215, 516-529.	2.2	4
62	Voltammetry of electrodes modified with pristine and composite polymer films; theoretical and experimental aspects. Electrochimica Acta, 2014, 122, 234-246.	5.2	4
63	New Bis(salicylideneiminate) Nickel(II) Complexes with Carboxyethylene Linker Connecting Imine Groups and Their Electrochemical Polymerization. Russian Journal of General Chemistry, 2019, 89, 852-855.	0.8	4
64	Polymer composites containing dispersed VO2 of various polymorphs: Effects of polymer matrix on functional properties. Materials Chemistry and Physics, 2019, 235, 121752.	4.0	4
65	Mixed Platinumâ€"Nickel Catalysts of Oxygen Reduction. Russian Journal of Electrochemistry, 2019, 55, 1092-1097.	0.9	4
66	Resistivity-Temperature Behavior of Intrinsically Conducting Bis(3-methoxysalicylideniminato)nickel Polymer. Polymers, 2020, 12, 2925.	4.5	4
67	Assembly of [Ni(Schiff)] Films on an Inert Surface: A Multiscale Computational Study. Journal of Physical Chemistry C, 2021, 125, 2926-2937.	3.1	4
68	A Polymer Layer of Switchable Resistance for the Overcharge Protection of Lithium-Ion Batteries. Russian Journal of Electrochemistry, 2021, 57, 1028-1036.	0.9	4
69	Nickel Salicylideniminato 1D MOFs <i>via</i> Electrochemical Polymerization. ChemElectroChem, 2022, 9, .	3.4	4
70	Limiting current to a rotating disk electrode modified with an electroactive polymeric film in the presence of a redox pair in the adjacent solution volume. Russian Journal of Electrochemistry, 2008, 44, 91-97.	0.9	3
71	Microwave assisted polyol synthesis of CuGaSe2 nanoparticles for solar cell application. Functional Materials Letters, 2017, 10, 1750050.	1.2	3
72	Nickel Salicylaldoxime-Based Coordination Polymer as a Cathode for Lithium-Ion Batteries. Energies, 2020, 13, 2480.	3.1	3

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73	Capping agents as a novel approach to control VO2 nanoparticles morphology in hydrothermal process: Mechanism of morphology control and influence on functional properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 255, 114519.	3.5	3
74	New Variant of Electrochemical Intercalation Isotherm: Analysis of Instability Region Dependence on Electrolyte Concentration. Journal of Physical Chemistry C, 2022, 126, 8839-8854.	3.1	3
75	The Valence Band Structure of the [Ni(Salen)] Complex: An Ultraviolet, Soft X-ray and Resonant Photoemission Spectroscopy Study. International Journal of Molecular Sciences, 2022, 23, 6207.	4.1	3
76	Tuning cationic transport in Nisalen polymers via pseudo-crown functionality. Electrochimica Acta, 2022, 425, 140750.	5.2	3
77	Cyclic Voltammetry and the Impedance of Electrodes Modified by Indium(III) Hexacyanoferrate Films. Russian Journal of Electrochemistry, 2002, 38, 1192-1199.	0.9	2
78	Photogalvanic eff ect in porphyrin-pyrrolo[3â€²,4â€²:1,9]-(C60-Ih)[5,6]fullerene-2â€²,5â€²-dicarboxylate systems. Russian Chemical Bulletin, 2019, 68, 825-831.	1.5	2
79	Optimization of Sulfonated Polycatechol:PEDOT Energy Storage Performance by the Morphology Control. Nanomaterials, 2022, 12, 1917.	4.1	2
80	Electrical currents resulting from reduction/oxidation processes of tested particles on â€œinnerâ€•and â€œouterâ€•surfaces of electroactive polymer films. Russian Journal of Electrochemistry, 2012, 48, 375-387.	0.9	1
81	Hydrogen evolution reactions on carbon materials potentially useful in double-layer supercapacitors. Russian Journal of General Chemistry, 2015, 85, 2699-2702.	0.8	1
82	The Tail Wags the Dog: The Far Periphery of the Coordination Environment Manipulates the Photophysical Properties of Heteroleptic Cu(I) Complexes. Molecules, 2022, 27, 2250.	3.8	1
83	Solid Energy: a Report on the 18th International Symposium on the Reactivity of Solids. Powder Diffraction, 2014, 29, 404-406.	0.2	0
84	Macromol. Chem. Phys. 24/2017. Macromolecular Chemistry and Physics, 2017, 218, 1770079.	2.2	0
85	6,6â€²-{[Ethane-1,2-diylbis(azaneylylidene)]bis(methaneylylidene)}bis[2-(hexyloxy)phenolato] Nickel(II). MolBank, 2020, 2020, M1174.	0.5	0
86	Non-sterical stabilization of one-electron-oxidized NiSalen complex by thiophene core. New Journal of Chemistry, 2021, 45, 14425-14431.	2.8	0
87	4â€²,4â€²â€²â€²,4â€²â€²â€²â€²â€²-Nitrilotris(4-methoxy-[1,1â€²-biphenyl]-3-carbaldehyde). MolBank, 2021, 2021, M1263.	0.5	0
88	2-Hydroxy-3-octyloxybenzaldehyde. MolBank, 2021, 2021, M1264.	0.5	0