

Paweł, J Kulesza

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A formalism to compare electrocatalysts for the oxygen reduction reaction by cyclic voltammetry with the thin-film rotating ring-disk electrode measurements. <i>Current Opinion in Electrochemistry</i> , 2022, 31, 100839.	2.5	11
2	Activation of bimetallic PtFe nanoparticles with zeolite-type cesium salts of vanadium-substituted polyoxometallates toward electroreduction of oxygen at low Pt loadings for fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 3-16.	1.2	4
3	Conducting Polymer-Based Hybrid Electrochemical Capacitor Utilizing Potassium Iodide Redox Electrolyte with Controlled Self-Discharge. <i>ChemElectroChem</i> , 2022, 9, .	1.7	4
4	Discrete, Cationic Palladium(II)-Oxo Clusters via Metal Ion Incorporation and their Macrocyclic Host-Guest Interactions with Sulfonatocalixarenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
5	Foreword to the memorial issue for Professor Roberto Marassi. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1-2.	1.2	2
6	Hybrid Electrocatalysts Composed of PtSn, Ru or PtRu Nanoparticles for Low-Temperature Oxidation of Dimethyl Ether Fuel. <i>ECS Transactions</i> , 2022, 108, 17-28.	0.3	0
7	Toward Effective CO ₂ Reduction in an Acid Medium: Electrocatalysis at Cu ₂ O-Derived Polycrystalline Cu Sites Immobilized within the Network of WO ₃ Nanowires. <i>ACS Measurement Science Au</i> , 2022, 2, 553-567.	1.9	1
8	(Keynote) A General Electrochemical Formalism for Vanadium Redox Flow Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2005-2005.	0.0	0
9	Enhancement of Activity Low-Pt-Content O ₂ -Reduction Catalysts through Formation of Hybrid Systems with Sub-Stoichiometric Cerium Oxide Nanostructures. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2069-2069.	0.0	0
10	(Invited) Oxygen Reduction at Low-Pt-Content-Catalysts in Acid Media: Development of Systems and Electroanalytical Diagnostic Methodology. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2061-2061.	0.0	0
11	(Invited) Charge Propagation in Highly Concentrated Iodine/Iodide Solutions As Potential Electrolytes for Redox Flow Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2001-2001.	0.0	0
12	(Invited) Development and Characterization of Polyoxometallate-Based Systems for Aqueous Redox Flow Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1999-1999.	0.0	0
13	(Invited) Bacterial Biofilms As Active Components of Electrocatalytic and Photoelectrochemical Systems for Reduction of Carbon Dioxide. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1574-1574.	0.0	0
14	A Formalism Adopting Thin-Film Rotating Ring-Disk Electrode Studies to Compare Electrocatalysts for the Oxygen Reduction Reaction (ORR). <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2108-2108.	0.0	0
15	Hybrid Electrocatalysts Composed of PtSn, Ru or PtRu Nanoparticles for Low-Temperature Oxidation of Dimethyl Ether Fuel. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1470-1470.	0.0	0
16	Application of Mixed-Metal-Oxides As Active Supports for Dispersed Metal Centers: Enhancement of Electrocatalytic Reduction of Carbon Dioxide. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2085-2085.	0.0	0
17	(Invited) Correlation between the Porosimetric Features, Morphology, <i>in-Situ</i> and <i>in-Situ</i> electrochemical Performance of Hierarchical Core-Shell Carbon Nitride Pt-Alloy ORR Electrocatalysts. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2062-2062.	0.0	0
18	Differences in electrochemical response of prospective anticancer drugs IPBD and Cl-IPBD, doxorubicin and Vitamin C at plasmid modified glassy carbon. <i>Bioelectrochemistry</i> , 2021, 137, 107682.	2.4	3

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19	Photoelectrochemical Reduction of CO ₂ at Poly(4-Vinylpyridine)-Stabilized Copper(I) Oxide Semiconductor: Feasibility of Interfacial Decoration with Palladium Cocatalyst. Solar Rrl, 2021, 5, 2000705.	3.1	7
20	Comparative Study of Carbon and Conducting Polymer-Based Hybrid Electrochemical Capacitors Using Potassium Iodide Redox Electrolyte. ECS Meeting Abstracts, 2021, MA2021-01, 38-38.	0.0	0
21	Electrocatalytic and Protective Properties of Ruthenium-Derivatized Bacterial Biofilm on Electrodes and Photoelectrodes. ECS Meeting Abstracts, 2021, MA2021-01, 1907-1907.	0.0	0
22	Iodide Electrolyte-Based Hybrid Supercapacitor for Compact Photo-Rechargeable Energy Storage System Utilising Silicon Solar Cells. Energies, 2021, 14, 2708.	1.6	5
23	Development of New Cellulose-Based Hydrogel Membranes for Aqueous Electrochemical Capacitors. ECS Meeting Abstracts, 2021, MA2021-01, 1935-1935.	0.0	0
24	Surfactant-Free Preparation of Palladium Nanoparticles: Elucidation of Their Electrocatalytic Activity Toward Reduction of Carbon Dioxide. ECS Meeting Abstracts, 2021, MA2021-01, 1894-1894.	0.0	0
25	(Invited) Enhancement of Oxidation of Dimethyl Ether through Application of Metal-Oxide-Supported Noble Metal Catalytic Nanoparticles: Comparison to Behavior of Other Simple Organic Fuels. ECS Meeting Abstracts, 2021, MA2021-01, 1890-1890.	0.0	0
26	(Invited) Chronocoulometric Approach to Diagnosis of Oxygen Reduction at Low Pt-Content Electrocatalysts. ECS Meeting Abstracts, 2021, MA2021-01, 1899-1899.	0.0	0
27	(Invited) Photoelectrochemical Reduction of CO ₂ at Poly(4-vinylpyridine)-Stabilized Copper(I) Oxide Semiconductor Decorated with Palladium Cocatalyst. ECS Meeting Abstracts, 2021, MA2021-01, 1284-1284.	0.0	0
28	(Invited) Interplay between Surface/Porosimetric, Chemical and Electrochemical Characterization of "Core-Shell"-High-Pt ORR Electrocatalysts. ECS Meeting Abstracts, 2021, MA2021-01, 958-958.	0.0	0
29	Stabilization and activation of Pd nanoparticles for efficient CO ₂ -reduction: Importance of their generation within supramolecular network of tridentate Schiff-base ligands with N,N coordination sites. Electrochimica Acta, 2021, 388, 138550.	2.6	5
30	Enhancement of Activity and Development of Low Pt Content Electrocatalysts for Oxygen Reduction Reaction in Acid Media. Molecules, 2021, 26, 5147.	1.7	11
31	Enhancement of Activity of Copper Sites Toward Electroreduction of Carbon Dioxide through Hierarchical Deposition of Metal Oxide Cocatalysts. ECS Transactions, 2021, 104, 23-35.	0.3	1
32	Enhancement of oxidation of dimethyl ether through formation of hybrid electrocatalysts composed of Vulcan-supported PtSn decorated with Ru-black or PtRu nanoparticles. Electrochimica Acta, 2021, 400, 139437.	2.6	3
33	(Invited) Reduction of Carbon Dioxide and Activation of Nitrogen at Heme Type Porphyrin-Complexes of Iron Existing in Enzymes. ECS Meeting Abstracts, 2021, MA2021-02, 1548-1548.	0.0	0
34	Enhancement of Activity of Copper Sites Toward Electroreduction of Carbon Dioxide through Hierarchical Deposition of Metal Oxide Cocatalysts. ECS Meeting Abstracts, 2021, MA2021-02, 1316-1316.	0.0	0
35	Toward High-Performance and Durable Hierarchical "Core-Shell"-Carbon Nitride Electrocatalysts for the Oxygen Reduction Reaction. ECS Meeting Abstracts, 2021, MA2021-02, 1143-1143.	0.0	0
36	(Invited) Electrocatalytic Reduction of Highly Inert Redox Probes: Arsenates, Nitrates, Chlorates, As Well As Carbon Dioxide and Nitrogen in Acid Medium. ECS Meeting Abstracts, 2021, MA2021-02, 1537-1537.	0.0	0

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37	Correlation between Precursor Properties and Performance in the Oxygen Reduction Reaction of Pt and Co Core-shell Carbon Nitride-Based Electrocatalysts. <i>Electrocatalysis</i> , 2020, 11, 143-159.	1.5	13
38	Factors affecting performance of electrochemical capacitors operating in Keggin-type silicotungstic acid electrolyte. <i>Applied Surface Science</i> , 2020, 530, 147273.	3.1	8
39	Enhancement of oxidation of dimethyl ether through application of zirconia matrix for immobilization of noble metal catalytic nanoparticles. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3173-3183.	1.2	4
40	Fe ^{III} ₄₈ Containing 96 Tungsten Hexaphosphate: Synthesis, Structure, Magnetism and Electrochemistry. <i>Chemistry - A European Journal</i> , 2020, 26, 15821-15824.	1.7	25
41	Heteropolytungstate-assisted fabrication and deposition of catalytic silver nanoparticles on different reduced graphene oxide supports: Electroreduction of oxygen in alkaline electrolyte. <i>Journal of Electroanalytical Chemistry</i> , 2020, 875, 114694.	1.9	8
42	Visible-light-driven CO ₂ reduction on dye-sensitized NiO photocathodes decorated with palladium nanoparticles. <i>RSC Advances</i> , 2020, 10, 31680-31690.	1.7	4
43	Prussian-blue-modified reduced-graphene-oxide as active support for Pt nanoparticles during oxygen electroreduction in acid medium. <i>Journal of Electroanalytical Chemistry</i> , 2020, 875, 114347.	1.9	6
44	Future of interfacial electrochemistry: from structure-function relationships to better understanding of charge transfer reactions and (photo)electrocatalytic reactivity. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2115-2116.	1.2	2
45	Elucidation of activity of copper and copper oxide nanomaterials for electrocatalytic and photoelectrochemical reduction of carbon dioxide. <i>Current Opinion in Electrochemistry</i> , 2020, 23, 131-138.	2.5	18
46	Photoelectrochemical reduction of CO ₂ : Stabilization and enhancement of activity of copper(I) oxide semiconductor by over-coating with tungsten carbide and carbide-derived carbons. <i>Electrochimica Acta</i> , 2020, 341, 136054.	2.6	16
47	Critical Review "Electrocatalytic Sensors for Arsenic Oxo Species. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037565.	1.3	10
48	Low-Noble-Metal-Loading Hybrid Catalytic System for Oxygen Reduction Utilizing Reduced-Graphene-Oxide-Supported Platinum Aligned with Carbon-Nanotube-Supported Iridium. <i>Catalysts</i> , 2020, 10, 689.	1.6	9
49	Strategies for Electrocatalytic Reduction and Photoelectrochemical Conversion of Carbon Dioxide to Fuels and Utility Chemicals. <i>Electrochemical Society Interface</i> , 2020, 29, 67-72.	0.3	5
50	Organic/Inorganic Hybrid Electrode Materials for Photo-Conversion of Solar Energy. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2562-2562.	0.0	0
51	Electrocatalytic effects during redox reactions of arsenic at platinum nanoparticles in acid medium: Possibility of preconcentration, electroactive film formation, and detection of As(III) and As(V). <i>Electrochimica Acta</i> , 2019, 319, 499-510.	2.6	10
52	Silver nanoparticles stabilized by polyoxotungstates. Influence of the silver Polyoxotungstate molar ratio on UV/Vis spectra and SERS characteristics. <i>Journal of Electroanalytical Chemistry</i> , 2019, 854, 113537.	1.9	11
53	Polyoxometalate/hydroquinone dual redox electrolyte for hybrid energy storage systems. <i>Energy Storage Materials</i> , 2019, 21, 427-438.	9.5	28
54	Electrocatalytic and Photoelectrochemical Reduction of Carbon Dioxide at Hierarchical Hybrid Films of Copper(I) Oxide Decorated with Tungsten(VI) Oxide Nanowires. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3271-H3278.	1.3	13

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55	Electrocatalytic Oxygen Reduction in Alkaline Medium at Graphene-Supported Silver-Iron Carbon Nitride Sites Generated During Thermal Decomposition of Silver Hexacyanoferrate. <i>Electrocatalysis</i> , 2019, 10, 112-124.	1.5	19
56	Development and kinetic characterization of hierarchical bioelectrocatalytic system utilizing a redox mediator, functionalized carbon nanotubes and an enzyme for glucose oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 417-425.	1.9	2
57	Reduction of carbon dioxide at copper(I) oxide photocathode activated and stabilized by over-coating with oligoaniline. <i>Electrochimica Acta</i> , 2018, 265, 400-410.	2.6	23
58	Review "Copper Oxide-Based Ternary and Quaternary Oxides: Where Solid-State Chemistry Meets Photoelectrochemistry. <i>Journal of the Electrochemical Society</i> , 2018, 165, H3192-H3206.	1.3	70
59	Electrocatalytic properties of manganese and cobalt polyporphine films toward oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2018, 816, 83-91.	1.9	12
60	Toward Pt-Free Anion-Exchange Membrane Fuel Cells: Fe-Sn Carbon Nitride-Graphene Core-Shell Electro-catalysts for the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2018, 30, 2651-2659.	3.2	44
61	Enhanced photoelectrochemical CO ₂ -reduction system based on mixed Cu ₂ O nonstoichiometric TiO ₂ photocathode. <i>Catalysis Today</i> , 2018, 300, 145-151.	2.2	44
62	Activation of Reduced-Graphene-Oxide Supported Pt Nanoparticles by Aligning with WO ₃ -Nanowires toward Oxygen Reduction in Acid Medium: Diagnosis with Rotating-Ring-Disk Voltammetry and Double-Potential-Step Chronocoulometry. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3384-J3391.	1.3	13
63	Hierarchical oxygen reduction reaction electrocatalysts based on FeSn _{0.5} species embedded in carbon nitride-graphene based supports. <i>Electrochimica Acta</i> , 2018, 280, 149-162.	2.6	22
64	Elucidation of role of graphene in catalytic designs for electroreduction of oxygen. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 257-264.	2.5	35
65	Capacitance characteristics of carbon-based electrochemical capacitors exposed to heteropolytungstic acid electrolyte. <i>Electrochimica Acta</i> , 2018, 282, 533-543.	2.6	13
66	15-Copper(II)-containing 36-tungsto-4-silicates [Cu ₁₅ O ₂ (OH) ₁₀ X(A±SiW ₉ O ₃₄) ₄] ^{25±} Dalton Transactions, 2018, 47, 12439-12448.	1.6	17
67	Evaluation of reduced-graphene-oxide-supported gold nanoparticles as catalytic system for electroreduction of oxygen in alkaline electrolyte. <i>Electrochimica Acta</i> , 2017, 233, 113-122.	2.6	35
68	Amperometric detector for gas chromatography based on a silica sol-gel solid electrolyte. <i>Talanta</i> , 2017, 174, 1-6.	2.9	5
69	Carbon Dioxide Electroreduction at Highly Porous Nitrogen and Sulfur Co-Doped Iron-Containing Heterogeneous Carbon Gel. <i>Journal of the Electrochemical Society</i> , 2017, 164, H484-H490.	1.3	20
70	Reduced-Graphene-Oxide with Traces of Iridium or Gold as Active Support for Pt Catalyst at Low Loading during Oxygen Electroreduction. <i>ECS Transactions</i> , 2017, 80, 869-877.	0.3	4
71	Carbon supported PdPt nanoparticles for oxygen reduction. The effect of Pd:Pt ratio. <i>Electrochimica Acta</i> , 2016, 222, 1220-1233.	2.6	11
72	Polyaniline-Supported Bacterial Biofilms as Active Matrices for Platinum Nanoparticles: Enhancement of Electroreduction of Carbon Dioxide. <i>Australian Journal of Chemistry</i> , 2016, 69, 411.	0.5	6

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73	Solar-Driven Water Oxidation and Decoupled Hydrogen Production Mediated by an Electron-Coupled-Proton Buffer. <i>Journal of the American Chemical Society</i> , 2016, 138, 6707-6710.	6.6	95
74	Bacterial-biofilm enhanced design for improved electrocatalytic reduction of oxygen in neutral medium. <i>Electrochimica Acta</i> , 2016, 213, 314-323.	2.6	4
75	Phase Transition Detection in Accumulation of a Potential Anticancer Drug Cl-IPBD with DNA: Supercoiled and Linear pUC19 Plasmids. <i>Electrochimica Acta</i> , 2016, 210, 422-434.	2.6	5
76	Mixed layered WO ₃ /ZrO ₂ films (with and without rhodium) as active supports for PtRu nanoparticles: enhancement of oxidation of ethanol. <i>Electrochimica Acta</i> , 2016, 210, 575-587.	2.6	19
77	Influence of polymolybdate adsorbates on electrooxidation of ethanol at PtRu nanoparticles: Combined electrochemical, mass spectrometric and X-ray photoelectron spectroscopic studies. <i>Journal of Power Sources</i> , 2016, 315, 56-62.	4.0	2
78	Enhancement of oxygen reduction at Co-porphyrin catalyst by supporting onto hybrid multi-layered film of polypyrrole and polyoxometalate-modified gold nanoparticles. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1199-1208.	1.2	15
79	Enhancement of oxidative electrocatalytic properties of platinum nanoparticles by supporting onto mixed WO ₃ /ZrO ₂ matrix. <i>Applied Surface Science</i> , 2016, 388, 616-623.	3.1	11
80	Electroanalysis of Ethanol Oxidation and Reactivity of Platinum-Ruthenium Catalysts Supported onto Nanostructured Titanium Dioxide Matrices. <i>Journal of the Electrochemical Society</i> , 2016, 163, H3052-H3060.	1.3	24
81	Evaluation of kinetic constants on porous, non-noble catalyst layers for oxygen reduction – A comparative study between SECM and hydrodynamic methods. <i>Catalysis Today</i> , 2016, 262, 74-81.	2.2	20
82	Activation of Platinum-Based Centers through Modification with Metal Oxo Species toward Electrocatalytic Oxidation of Dimethyl Ether and Methanol. <i>ECS Transactions</i> , 2015, 66, 35-44.	0.3	1
83	Nanocomposite Semi-Solid Redox Ionic Liquid Electrolytes with Enhanced Charge Transport Capabilities for Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015, 8, 2560-2568.	3.6	18
84	Development of Hybrid Tungsten Oxide Photoanodes Admixed with Borododecatungstate-Polyanion Modified-Hematite: Enhancement of Water Oxidation upon Irradiation with Visible Light. <i>Electrochimica Acta</i> , 2015, 179, 379-385.	2.6	9
85	Polyoxometalate-assisted integration of nanostructures of Au and ZrO ₂ to form supports for electrocatalytic PtRu nanoparticles: enhancement of their activity toward oxidation of ethanol. <i>Electrochimica Acta</i> , 2015, 162, 215-223.	2.6	13
86	Charge storage and capacitance-type properties of multi-walled carbon nanotubes modified with ruthenium analogue of Prussian Blue. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2753-2762.	1.2	7
87	Selenourea-assisted synthesis of selenium-modified iridium catalysts: evaluation of their activity toward reduction of oxygen. <i>Electrochimica Acta</i> , 2015, 185, 162-171.	2.6	5
88	Non-aqueous gel polymer electrolyte with phosphoric acid ester and its application for quasi solid-state supercapacitors. <i>Journal of Power Sources</i> , 2015, 274, 1147-1154.	4.0	62
89	Electrocatalytic oxidation of ethanol in acid medium: Enhancement of activity of vulcan-supported Platinum-based nanoparticles upon immobilization within nanostructured zirconia matrices. <i>Functional Materials Letters</i> , 2014, 07, 1440005.	0.7	12
90	Nanoporous Platinum Electrodes as Substrates for Metal Oxide-Supported Noble Metal Electrocatalytic Nanoparticles: Synergistic Effects During Electrooxidation of Ethanol. <i>Australian Journal of Chemistry</i> , 2014, 67, 1414.	0.5	6

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91	CO ₂ Electroreduction at Bare and Cu-Decorated Pd Pseudomorphic Layers: Catalyst Tuning by Controlled and Indirect Supporting onto Au(111). <i>Langmuir</i> , 2014, 30, 14314-14321.	1.6	43
92	Enhanced Water Splitting at Thin Film Tungsten Trioxide Photoanodes Bearing Plasmonic Gold-Polyoxometalate Particles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14196-14200.	7.2	65
93	Palladium Content Effect on the Electrocatalytic Activity of Palladium-Polypyrrole Nanocomposite for Cathodic Reduction of Oxygen. <i>Electrocatalysis</i> , 2014, 5, 23-40.	1.5	24
94	Integration of supercapacitors with enzymatic biobatteries toward more effective pulse-powered use in small-scale energy harvesting devices. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 497-507.	1.5	28
95	The effect of Nafion ionomer on electroactivity of palladium-polypyrrole catalysts for oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 639-653.	1.2	16
96	Combination of Asymmetric Supercapacitor Utilizing Activated Carbon and Nickel Oxide with Cobalt Polypyridyl-Based Dye-Sensitized Solar Cell. <i>Electrochimica Acta</i> , 2014, 143, 390-397.	2.6	61
97	Enhancement of ethanol oxidation at Pt and PtRu nanoparticles dispersed over hybrid zirconia-rhodium supports. <i>Journal of Power Sources</i> , 2014, 272, 681-688.	4.0	21
98	Electrocatalytic properties of platinum nanocenters electrogenerated at ultra-trace levels within zeolitic phosphododecatungstate cesium salt matrices. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2993-3001.	1.2	3
99	Fabrication of Nanostructured Palladium Within Tridentate Schiff-Base-Ligand Coordination Architecture: Enhancement of Electrocatalytic Activity Toward CO ₂ Electroreduction. <i>Electrocatalysis</i> , 2014, 5, 229-234.	1.5	12
100	Assembly of crosslinked oxo-cyanoruthenate and zirconium oxide bilayers: Application in electrocatalytic films based on organically modified silica with templated pores. <i>Electrochimica Acta</i> , 2014, 122, 197-203.	2.6	5
101	Hybrid materials utilizing polyelectrolyte-derivatized carbon nanotubes and vanadium-mixed addenda heteropolytungstate for efficient electrochemical charging and electrocatalysis. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1631-1640.	1.2	27
102	Enhancement of activity of RuSe _x electrocatalyst by modification with nanostructured iridium towards more efficient reduction of oxygen. <i>Journal of Power Sources</i> , 2013, 243, 225-232.	4.0	6
103	Integration of solid-state dye-sensitized solar cell with metal oxide charge storage material into photoelectrochemical capacitor. <i>Journal of Power Sources</i> , 2013, 234, 91-99.	4.0	83
104	Electrocatalytic oxidation of small organic molecules in acid medium: Enhancement of activity of noble metal nanoparticles and their alloys by supporting or modifying them with metal oxides. <i>Electrochimica Acta</i> , 2013, 110, 474-483.	2.6	99
105	Application of SECM in tracing of hydrogen peroxide at multicomponent non-noble electrocatalyst films for the oxygen reduction reaction. <i>Catalysis Today</i> , 2013, 202, 55-62.	2.2	33
106	Admixing palladium nanoparticles with tungsten oxide nanorods toward more efficient electrocatalytic oxidation of formic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 200-206.	2.3	29
107	Multifunctional Nanostructured Materials for Oxidation of Methanol. <i>ECS Transactions</i> , 2013, 53, 1-10.	0.3	1
108	Electrocatalytic Activity toward Oxygen Reduction of RuS _x N _y Catalysts Supported on Different Nanostructured Carbon Carriers. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, M61-M66.	0.9	4

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109	Multifunctional Mediating System Composed of a Conducting Polymer Matrix, Redox Mediator and Functionalized Carbon Nanotubes: Integration with an Enzyme for Effective Bioelectrocatalytic Oxidation of Glucose. <i>Electroanalysis</i> , 2013, 25, 2651-2658.	1.5	8
110	Toward More Efficient Bioelectrocatalytic Oxidation of Ethanol for Amperometric Sensing and Biofuel Cell Technology. <i>Analytical Chemistry</i> , 2012, 84, 9564-9571.	3.2	23
111	Development of an Integrated System for Immobilization and Mediating Charge to Alcohol Dehydrogenase During Bioelectrocatalytic Oxidation and Detection of Ethanol. <i>Electroanalysis</i> , 2012, 24, 254-263.	1.5	9
112	Development of Hybrid Organic-Inorganic Materials for Efficient Charging/Discharging in Electrochemical and Photoelectrochemical Capacitors. <i>ECS Transactions</i> , 2011, 35, 93-102.	0.3	11
113	Influence of polyoxometallate on oxidation state of tin in Pt/Sn nanoparticles and its importance during electrocatalytic oxidation of ethanol – Combined electrochemical and XPS study. <i>Journal of Electroanalytical Chemistry</i> , 2011, 662, 93-99.	1.9	25
114	Enhanced oxygen reduction at Pd catalytic nanoparticles dispersed onto heteropolytungstate-assembled poly(diallyldimethylammonium)-functionalized carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4400.	1.3	45
115	Fabrication of polyoxometallate-modified gold nanoparticles and their utilization as supports for dispersed platinum in electrocatalysis. <i>Electrochimica Acta</i> , 2011, 56, 10744-10750.	2.6	22
116	The preparation and electrochemical properties of nanostructured nickel hexacyanoruthenate deposited on multiwalled carbon nanotubes. <i>Electrochimica Acta</i> , 2011, 58, 474-480.	2.6	3
117	Electrochemical characterization of Prussian blue type nickel hexacyanoferrate redox mediator for potential application as charge relay in dye-sensitized solar cells. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2545-2552.	1.2	26
118	Enhancement of Activity of PtRu Nanoparticles Towards Oxidation of Ethanol by Supporting on Poly(diallyldimethylammonium)-Functionalized Carbon Nanotubes and Modification with Phosphomolybdate. <i>Electrocatalysis</i> , 2011, 2, 52-59.	1.5	5
119	Application of Black Pearl carbon-supported WO ₃ nanostructures as hybrid carriers for electrocatalytic RuSex nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 8215-8222.	3.1	9
120	Enhancement of activity of platinum towards oxidation of ethanol by supporting on titanium dioxide containing phosphomolybdate-modified gold nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 8205-8210.	3.1	27
121	Fabrication of composite coatings of 4-(pyrrole-1-yl) benzoate-modified poly-3,4-ethylenedioxythiophene with phosphomolybdate and their application in corrosion protection. <i>Electrochimica Acta</i> , 2011, 56, 3649-3655.	2.6	43
122	Integration of vanadium-mixed addenda Dawson heteropolytungstate within poly(3,4-ethylenedioxythiophene) and poly(2,2'-bithiophene) films by electrodeposition from the nonionic micellar aqueous medium. <i>Electrochimica Acta</i> , 2011, 56, 3605-3615.	2.6	9
123	Pd nanoparticles supported on HPMo-PDDA-MWCNT and their activity for formic acid oxidation reaction of fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8508-8517.	3.8	89
124	Hexagonal nanorods of tungsten trioxide: Synthesis, structure, electrochemical properties and activity as supporting material in electrocatalysis. <i>Applied Surface Science</i> , 2011, 257, 8223-8229.	3.1	58
125	Activation of dispersed PtSn/C nanoparticles by tungsten oxide matrix towards more efficient oxidation of ethanol. <i>Journal of Power Sources</i> , 2011, 196, 2595-2601.	4.0	30
126	Oxygen permeation through Nafion 117 membrane and its impact on efficiency of polymer membrane ethanol fuel cell. <i>Journal of Power Sources</i> , 2011, 196, 4714-4718.	4.0	40

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