Pawel J Kulesza

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

7,225 49 200 75 h-index g-index citations papers 7,667 235 5.4 5.73 avg, IF L-index ext. papers ext. citations

#	Paper	IF	Citations
200	Enhancement of oxidation of dimethyl ether through formation of hybrid electrocatalysts composed of Vulcan-supported PtSn decorated with Ru-black or PtRu nanoparticles. <i>Electrochimica Acta</i> , 2021 , 400, 139437	6.7	O
199	Photoelectrochemical Reduction of CO2 at Poly(4-Vinylpyridine)-Stabilized Copper(I) Oxide Semiconductor: Feasibility of Interfacial Decoration with Palladium Cocatalyst. <i>Solar Rrl</i> , 2021 , 5, 200070	75 ¹	5
198	Iodide Electrolyte-Based Hybrid Supercapacitor for Compact Photo-Rechargeable Energy Storage System Utilising Silicon Solar Cells. <i>Energies</i> , 2021 , 14, 2708	3.1	O
197	Surfactant-Free Preparation of Palladium Nanoparticles: Elucidation of Their Electrocatalytic Activity Toward Reduction of Carbon Dioxide. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-01, 1894-1894	0	
196	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	5.6	1
195	Stabilization and activation of Pd nanoparticles for efficient CO2-reduction: Importance of their generation within supramolecular network of tridentate Schiff-base ligands with N,N coordination sites. <i>Electrochimica Acta</i> , 2021 , 388, 138550	6.7	О
194	Enhancement of Activity and Development of Low Pt Content Electrocatalysts for Oxygen Reduction Reaction in Acid Media. <i>Molecules</i> , 2021 , 26,	4.8	1
193	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> , 2021 , 31, 100839	7.2	6
192	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	4.1	4
191	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	2.6	0
190	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, 131-13	7 .2	6
189	Photoelectrochemical reduction of CO2: 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	6.7	8
188	Critical ReviewElectrocatalytic Sensors for Arsenic Oxo Species. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037565	3.9	4
187	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	4	6
186	Strategies for Electrocatalytic Reduction and Photoelectrochemical Conversion of Carbon Dioxide to Fuels and Utility Chemicals. <i>Electrochemical Society Interface</i> , 2020 , 29, 67-72	3.6	2
185	Organic/Inorganic Hybrid Electrode Materials for Photo-Conversion of Solar Energy. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-01, 2562-2562	0	
184	Correlation between Precursor Properties and Performance in the Oxygen Reduction Reaction of Pt and Co Lore-shell Carbon Nitride-Based Electrocatalysts. <i>Electrocatalysis</i> , 2020 , 11, 143-159	2.7	10

183	Factors affecting performance of electrochemical capacitors operating in Keggin-type silicotungstic acid electrolyte. <i>Applied Surface Science</i> , 2020 , 530, 147273	6.7	3
182	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	2.6	1
181	Fe -Containing 96-Tungsto-16-Phosphate: Synthesis, Structure, Magnetism and Electrochemistry. <i>Chemistry - A European Journal</i> , 2020 , 26, 15821-15824	4.8	12
180	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	4.1	3
179	Visible-light-driven CO reduction on dye-sensitized NiO photocathodes decorated with palladium nanoparticles <i>RSC Advances</i> , 2020 , 10, 31680-31690	3.7	3
178	Polyoxometalate/hydroquinone dual redox electrolyte for hybrid energy storage systems. <i>Energy Storage Materials</i> , 2019 , 21, 427-438	19.4	18
177	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	3.9	9
176	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	6.7	5
175	Silver nanoparticles stabilized by polyoxotungstates. Influence of the silver iPolyoxotungstate molar ratio on UV/Vis spectra and SERS characteristics. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 854, 113537	4.1	4
174	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	2.7	14
173	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	4.1	2
172	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	6.7	17
171	ReviewLopper Oxide-Based Ternary and Quaternary Oxides: Where Solid-State Chemistry Meets Photoelectrochemistry. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H3192-H3206	3.9	58
170	Electrocatalytic properties of manganese and cobalt polyporphine films toward oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 816, 83-91	4.1	10
169	Toward Pt-Free Anion-Exchange Membrane Fuel Cells: FeBn Carbon Nitride Traphene Core Shell Electrocatalysts for the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2018 , 30, 2651-2659	9.6	34
168	Enhanced photoelectrochemical CO2-reduction system based on mixed Cu2O [honstoichiometric TiO2 photocathode. <i>Catalysis Today</i> , 2018 , 300, 145-151	5.3	30
167	15-Copper(ii)-containing 36-tungsto-4-silicates(iv) [CuO(OH)X(A-BiWO)] (X = Cl, Br): synthesis, structure, magnetic properties, and electrocatalytic CO reduction. <i>Dalton Transactions</i> , 2018 , 47, 12439-	- 1 23448	3 13
166	Activation of Reduced-Graphene-Oxide Supported Pt Nanoparticles by Aligning with WO3-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> ,	3.9	10

165	Hierarchical oxygen reduction reaction electrocatalysts based on FeSn0.5 species embedded in carbon nitride-graphene based supports. <i>Electrochimica Acta</i> , 2018 , 280, 149-162	6.7	18
164	Elucidation of role of graphene in catalytic designs for electroreduction of oxygen. <i>Current Opinion in Electrochemistry</i> , 2018 , 9, 257-264	7.2	28
163	Capacitance characteristics of carbon-based electrochemical capacitors exposed to heteropolytungstic acid electrolyte. <i>Electrochimica Acta</i> , 2018 , 282, 533-543	6.7	10
162	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	6.7	28
161	Amperometric detector for gas chromatography based on a silica sol-gel solid electrolyte. <i>Talanta</i> , 2017 , 174, 1-6	6.2	4
160	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	3.9	18
159	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	1	4
158	Bacterial-biofilm enhanced design for improved electrocatalytic reduction of oxygen in neutral medium. <i>Electrochimica Acta</i> , 2016 , 213, 314-323	6.7	4
157	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	6.7	4
156	Mixed layered WO3/ZrO2 films (with and without rhodium) as active supports for PtRu nanoparticles: enhancement of oxidation of ethanol. <i>Electrochimica Acta</i> , 2016 , 210, 575-587	6.7	18
155	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	8.9	1
154	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	2.6	14
153	Enhancement of oxidative electrocatalytic properties of platinum nanoparticles by supporting onto mixed WO3/ZrO2 matrix. <i>Applied Surface Science</i> , 2016 , 388, 616-623	6.7	9
152	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, H30	52-A30)6 0 2
151	Evaluation of kinetic constants on porous, non-noble catalyst layers for oxygen reduction accomparative study between SECM and hydrodynamic methods. <i>Catalysis Today</i> , 2016 , 262, 74-81	5.3	17
150	Carbon supported PdxPty nanoparticles for oxygen reduction. The effect of Pd:Pt ratio. <i>Electrochimica Acta</i> , 2016 , 222, 1220-1233	6.7	9
149	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	1.2	6
148	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, 6707-10	16.4	64

(2014-2015)

147	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	6.7	9	
146	Polyoxometallate-assisted integration of nanostructures of Au and ZrO2 to form supports for electrocatalytic PtRu nanoparticles: enhancement of their activity toward oxidation of ethanol. <i>Electrochimica Acta</i> , 2015 , 162, 215-223	6.7	13	
145	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	2.6	6	
144	Selenourea-assisted synthesis of selenium-modified iridium catalysts: evaluation of their activity toward reduction of oxygen. <i>Electrochimica Acta</i> , 2015 , 185, 162-171	6.7	5	
143	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	8.9	54	
142	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	1	1	
141	Nanocomposite semi-solid redox ionic liquid electrolytes with enhanced charge-transport capabilities for dye-sensitized solar cells. <i>ChemSusChem</i> , 2015 , 8, 2560-8	8.3	16	
140	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	2.6	25	
139	The effect of Nafion ionomer on electroactivity of palladiumpolypyrrole catalysts for oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 639-653	2.6	14	
138	Enhanced Water Splitting at Thin Film Tungsten Trioxide Photoanodes Bearing Plasmonic Gold B olyoxometalate Particles. <i>Angewandte Chemie</i> , 2014 , 126, 14420-14424	3.6	8	
137	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	6.7	50	
136	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	8.9	20	
135	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	2.6	3	
134	Fabrication of Nanostructured Palladium Within Tridentate Schiff-Base-Ligand Coordination Architecture: Enhancement of Electrocatalytic Activity Toward CO2 Electroreduction. <i>Electrocatalysis</i> , 2014 , 5, 229-234	2.7	12	
133	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	6.7	4	
132	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	1.2	11	
131	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	1.2	6	
130	COlelectroreduction at bare and Cu-decorated Pd pseudomorphic layers: catalyst tuning by controlled and indirect supporting onto Au(111). <i>Langmuir</i> , 2014 , 30, 14314-21	4	40	

129	Enhanced water splitting at thin film tungsten trioxide photoanodes bearing plasmonic gold-polyoxometalate particles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14196-200	16.4	61
128	Palladium Content Effect on the Electrocatalytic Activity of Palladium Polypyrrole Nanocomposite for Cathodic Reduction of Oxygen. <i>Electrocatalysis</i> , 2014 , 5, 23-40	2.7	21
127	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	2.6	26
126	Enhancement of activity of RuSex electrocatalyst by modification with nanostructured iridium towards more efficient reduction of oxygen. <i>Journal of Power Sources</i> , 2013 , 243, 225-232	8.9	5
125	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	8.9	70
124	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	6.7	82
123	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	5.3	24
122	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	5.1	22
121	Multifunctional Nanostructured Materials for Oxidation of Methanol. <i>ECS Transactions</i> , 2013 , 53, 1-10	1	1
120	Electrocatalytic Activity toward Oxygen Reduction of RuSxNyCatalysts Supported on Different Nanostructured Carbon Carriers. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, M61-M66	2	4
119	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	3	8
118	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	3	8
117	Toward more efficient bioelectrocatalytic oxidation of ethanol for amperometric sensing and biofuel cell technology. <i>Analytical Chemistry</i> , 2012 , 84, 9564-71	7.8	23
116	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	4.1	21
115	Enhanced oxygen reduction at Pd catalytic nanoparticles dispersed onto heteropolytungstate-assembled poly(diallyldimethylammonium)-functionalized carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4400-10	3.6	44
114	Fabrication of polyoxometallate-modified gold nanoparticles and their utilization as supports for dispersed platinum in electrocatalysis. <i>Electrochimica Acta</i> , 2011 , 56, 10744-10750	6.7	20
113	The preparation and electrochemical properties of nanostructured nickel hexacyanoruthenate deposited on multiwalled carbon nanotubes. <i>Electrochimica Acta</i> , 2011 , 58, 474-480	6.7	3
112	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	2.6	24

(2009-2011)

111	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	2.7	5	
110	Development of Hybrid Organic-Inorganic Materials for Efficient Charging/Discharging in Electrochemical and Photoelectrochemical Capacitors. <i>ECS Transactions</i> , 2011 , 35, 93-102	1	11	
109	Application of Black Pearl carbon-supported WO3 nanostructures as hybrid carriers for electrocatalytic RuSex nanoparticles. <i>Applied Surface Science</i> , 2011 , 257, 8215-8222	6.7	8	
108	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	6.7	25	
107	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	6.7	34	
106	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	6.7	7	
105	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	6.7	82	
104	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	6.7	49	
103	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	8.9	30	
102	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	8.9	39	
101	Electronic-level interactions of tungsten oxide with unsupported Se/Ru electrocatalytic nanoparticles. <i>Electrochimica Acta</i> , 2010 , 55, 7603-7609	6.7	21	
100	Enhancement of catalytic activity of platinum-based nanoparticles towards electrooxidation of ethanol through interfacial modification with heteropolymolybdates. <i>Journal of Power Sources</i> , 2010 , 195, 2507-2513	8.9	37	
99	Effective charge propagation and storage in hybrid films of tungsten oxide and poly(3,4-ethylenedioxythiophene). <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 2049-2056	2.6	33	
98	Activation of carbon-supported platinum nanoparticles by zeolite-type cesium salts of polyoxometallates of molybdenum and tungsten towards more efficient electrocatalytic oxidation of methanol and ethanol. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 649, 238-247	4.1	29	
97	Visible Light-Driven Photoelectrochemical Conversion of the By-Products of the Ethanol Fuel Cell into Hydrogen. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, B165		11	
96	Multi-walled carbon nanotube-supported tungsten oxide-containing multifunctional hybrid electrocatalytic system for oxygen reduction in acid medium. <i>Electrochimica Acta</i> , 2009 , 54, 4682-4687	6.7	29	
95	Electrocatalytic reduction of oxygen at electropolymerized films of metalloporphyrins deposited onto multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2009 , 54, 1954-1960	6.7	56	
94	Phosphomolybdate-modified multi-walled carbon nanotubes as effective mediating systems for electrocatalytic reduction of bromate. <i>Analytica Chimica Acta</i> , 2009 , 631, 153-60	6.6	63	

93	Metal oxide photoanodes for solar hydrogen production. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2298	3	427
92	ABTS-modified multiwalled carbon nanotubes as an effective mediating system for bioelectrocatalytic reduction of oxygen. <i>Analytical Chemistry</i> , 2008 , 80, 7643-8	7.8	61
91	Application of Inorganic Redox-Conducting Solids As Charge Relays in Dye-Sensitized Solar Cell. <i>ECS Transactions</i> , 2008 , 13, 185-198	1	4
90	Enhancement of bio-electrocatalytic oxygen reduction at the composite film of cobalt porphyrin immobilized within the carbon nanotube-supported peroxidase enzyme. <i>Electrochimica Acta</i> , 2008 , 53, 2408-2415	6.7	24
89	Network films of conducting polymer-linked polyoxometalate-modified gold nanoparticles: Preparation and electrochemical characterization. <i>Electrochimica Acta</i> , 2008 , 53, 3924-3931	6.7	47
88	Improved capacitance characteristics during electrochemical charging of carbon nanotubes modified with polyoxometallate monolayers. <i>Electrochimica Acta</i> , 2008 , 53, 3862-3869	6.7	66
87	Monitoring of conductivity changes in passive layers by scanning electrochemical microscopy in feedback mode: localization of pitting precursor sites on surfaces of multimetallic phase materials. <i>Analytical Chemistry</i> , 2007 , 79, 3996-4005	7.8	15
86	Modification of Pt nanoparticles with polyoxometallate monolayers: Competition between activation and blocking of reactive sites for the electrocatalytic oxygen reduction. <i>Electrochimica Acta</i> , 2007 , 52, 5574-5581	6.7	76
85	Hybrid bioelectrocatalyst for hydrogen peroxide reduction: immobilization of enzyme within organic-inorganic film of structured Prussian Blue and PEDOT. <i>Bioelectrochemistry</i> , 2007 , 71, 23-8	5.6	37
84	Enhancement of oxygen reduction by incorporation of heteropolytungstate into the electrocatalytic ink of carbon supported platinum nanoparticles. <i>Electrochimica Acta</i> , 2007 , 52, 3958-39	96 ⁶ 4 ⁷	37
83	Controlled fabrication of multilayered 4-(pyrrole-1-yl) benzoate supported poly(3,4-ethylenedioxythiophene) linked hybrid films of Prussian blue type nickel hexacyanoferrate. <i>Electrochimica Acta</i> , 2007 , 53, 1235-1243	6.7	17
82	Enhancement of the oxidation of methyl formate at multifunctional electrocatalyst composed of Pt/Pd and Pt/Ru nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 600, 80-86	4.1	17
81	Preparation and spectroelectrochemical characterization of composite films of poly(3,4-ethylenedioxythiophene) with 4-(pyrrole-1-yl) benzoic acid. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 1023-1030	2.6	18
80	Activation of methanol-tolerant carbon-supported RuSex electrocatalytic nanoparticles towards more efficient oxygen reduction. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 915-921	2.6	17
79	Enhancement of the Electrocatalytic Oxidation of Methanol at PtRu Nanoparticles Immobilized in Different WO[sub 3] Matrices. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, E13		50
78	Analysis of charge transport in gels containing polyoxometallates using methods of different sensitivity to migration. <i>Analytica Chimica Acta</i> , 2006 , 575, 144-50	6.6	3
77	Fabrication of network films of conducting polymer-linked polyoxometallate-stabilized carbon nanostructures. <i>Electrochimica Acta</i> , 2006 , 51, 2373-2379	6.7	92
76	Electroreduction of oxygen at polyoxometallate-modified glassy carbon-supported Pt nanoparticles. <i>Journal of Power Sources</i> , 2006 , 159, 802-809	8.9	82

(2003-2006)

75	Electrochemical charging and electrocatalysis at hybrid films of polymer-interconnected polyoxometallate-stabilized carbon submicroparticles. <i>Journal of Solid State Electrochemistry</i> , 2006 , 10, 168-175	2.6	45
74	Effective Charge Transport in Poly(3,4-ethylenedioxythiophene) Based Hybrid Films Containing Polyoxometallate Redox Centers. <i>Journal of the Electrochemical Society</i> , 2005 , 152, E98	3.9	49
73	Protective properties of hexacyanoferrate containing polypyrrole films on stainless steel. <i>Corrosion Science</i> , 2005 , 47, 771-783	6.8	29
72	Polyoxometallates as inorganic templates for electrocatalytic network films of ultra-thin conducting polymers and platinum nanoparticles. <i>Bioelectrochemistry</i> , 2005 , 66, 79-87	5.6	63
71	Network electrocatalytic films of conducting polymer-linked polyoxometallate-stabilized platinum nanoparticles. <i>Electrochimica Acta</i> , 2005 , 50, 5155-5162	6.7	46
70	Solid-state electroanalytical characterization of the nonaqueous proton-conducting redox gel containing polyoxometallates. <i>Analytica Chimica Acta</i> , 2005 , 536, 275-281	6.6	15
69	Formation of ultra-thin prussian blue layer on carbon steel that promotes adherence of hybrid polypyrrole based protective coating. <i>Journal of Solid State Electrochemistry</i> , 2005 , 9, 403-411	2.6	17
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