

Pawel J Kulesza

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200
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75
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235
ext. papers

7,667
ext. citations

5.4
avg, IF

5.73
L-index

#	Paper	IF	Citations
200	Metal oxide photoanodes for solar hydrogen production. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2298		427
199	Electron hopping conductivity and vapor sensing properties of flexible network polymer films of metal nanoparticles. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8958-64	16.4	304
198	Hybrid organic/inorganic nanocomposite materials for application in solid state electrochemical supercapacitors. <i>Electrochemistry Communications</i> , 2003 , 5, 149-153	5.1	204
197	Polyoxometallate-Based Layered Composite Films on Electrodes: Preparation Through Alternate Immersions in Modification Solutions. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 140-147	3.9	186
196	Electrocatalysis at a novel electrode coating of nonstoichiometric tungsten(VI,V) oxide aggregates. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4905-4913	16.4	144
195	Network Films Composed of Conducting Polymer-Linked and Polyoxometalate-Stabilized Platinum Nanoparticles. <i>Chemistry of Materials</i> , 2004 , 16, 4128-4134	9.6	137
194	Electrochemical Charging, Countercation Accommodation, and Spectrochemical Identity of Microcrystalline Solid Cobalt Hexacyanoferrate. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 1870-1876	3.4	127
193	Electrocatalytic oxidation and determination of arsenic(III) on a glassy carbon electrode modified with a thin film of mixed-valent ruthenium(III, II) cyanide. <i>Analytical Chemistry</i> , 1984 , 56, 1021-1025	7.8	119
192	In Situ FT-IR/ATR Spectroelectrochemistry of Prussian Blue in the Solid State. <i>Analytical Chemistry</i> , 1996 , 68, 2442-2446	7.8	118
191	Electrocatalytic properties of bifunctional Pt/W(VI,V) oxide microstructures electrodeposited on carbon substrates. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 259, 81-98		114
190	Electroanalysis with electrodes modified by inorganic films. <i>Electroanalysis</i> , 1991 , 3, 869-877	3	99
189	Polyoxometallates as inorganic templates for monolayers and multilayers of ultrathin polyaniline. <i>Electrochemistry Communications</i> , 2002 , 4, 510-515	5.1	98
188	TopDown Approach for the Preparation of Colloidal Carbon Nanoparticles. <i>Chemistry of Materials</i> , 2004 , 16, 2984-2986	9.6	95
187	Fabrication of network films of conducting polymer-linked polyoxometallate-stabilized carbon nanostructures. <i>Electrochimica Acta</i> , 2006 , 51, 2373-2379	6.7	92
186	Electrolyte-cation-dependent coloring, electrochromism and thermochromism of cobalt(II) hexacyanoferrate(III, II) films. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 397, 287-292	4.1	92
185	Electrocatalytic properties of conducting polymer based composite film containing dispersed platinum microparticles towards oxidation of methanol. <i>Electrochimica Acta</i> , 1999 , 44, 2131-2137	6.7	89
184	Application of chelate-forming resin and modified glassy carbon electrode for selective determination of iron(III) by liquid chromatography with electrochemical detection. <i>Analytical Chemistry</i> , 1987 , 59, 2776-2780	7.8	88

183	Quartz crystal microbalance monitoring of mass transport during redox processes of cyanometallate modified electrodes: complex charge transport in nickel hexacyanoferrate films. <i>Electrochimica Acta</i> , 2000 , 45, 3777-3784	6.7	85
182	A polynuclear mixed-valent ruthenium oxide/cyanoruthenate composite that yields thin coatings on a glassy carbon electrode with high catalytic activity toward methanol oxidation. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987 , 220, 295-309		83
181	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
180	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
179	Electroreduction of oxygen at polyoxometallate-modified glassy carbon-supported Pt nanoparticles. <i>Journal of Power Sources</i> , 2006 , 159, 802-809	8.9	82
178	Evaluation of polyaniline films containing traces of dispersed platinum for protection of stainless steel against corrosion. <i>Electrochimica Acta</i> , 1999 , 44, 2157-2163	6.7	77
177	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
176	Electrochemical preparation and characterization of hybrid films composed of Prussian blue type metal hexacyanoferrate and conducting polymer. <i>Electrochimica Acta</i> , 2001 , 46, 4065-4073	6.7	74
175	Electrochemical preparation and characterization of electrodes modified with mixed hexacyanoferrates of nickel and palladium. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 487, 57-65	4.1	74
174	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
173	Tungsten Oxides as Active Supports for Highly Dispersed Platinum Microcenters: Electrocatalytic Reactivity Toward Reduction of Hydrogen Peroxide and Oxygen. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 1911-1917	3.9	68
172	Influence of experimental conditions on electrochemical behavior of Prussian blue type nickel hexacyanoferrate film. <i>Electrochimica Acta</i> , 2003 , 48, 4261-4269	6.7	68
171	Improved capacitance characteristics during electrochemical charging of carbon nanotubes modified with polyoxometallate monolayers. <i>Electrochimica Acta</i> , 2008 , 53, 3862-3869	6.7	66
170	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
169	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
168	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
167	Electrodeposition and Characterization of Three-Dimensional Tungsten(VI, V)-Oxide Films Containing Spherical Pt Microparticles. <i>Journal of the Electrochemical Society</i> , 1989 , 136, 707-713	3.9	63
166	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

165	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
164	Solid-State Voltammetry [Analytical Prospects. <i>Electroanalysis</i> , 1998 , 10, 73-80	3	59
163	Solid-state electrochemistry of iron hexacyanoferrate (Prussian Blue type) powders. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 289, 103-116		59
162	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	3.9	58
161	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
160	Electrochromic features of hybrid films composed of polyaniline and metal hexacyanoferrate. <i>Electrochimica Acta</i> , 2001 , 46, 4371-4378	6.7	56
159	The membrane properties of Prussian Blue films on electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 274, 95-105		56
158	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
157	Spectroelectrochemical characterization of cobalt hexacyanoferrate films in potassium salt electrolyte. <i>Electrochimica Acta</i> , 1998 , 43, 919-923	6.7	52
156	Indium(III)-hexacyanoferrate as a novel polynuclear mixed-valent inorganic material for preparation of thin zeolitic films on conducting substrates. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 252, 461-466		51
155	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
154	Enhancement of the Electrocatalytic Oxidation of Methanol at PtRu Nanoparticles Immobilized in Different WO ₃ Matrices. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, E13		50
153	Electrochemical preparation of electrodes modified with non-stoichiometric mixed-valent tungsten(VI, V) oxides. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 248, 305-320		50
152	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
151	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
150	Network films of conducting polymer-linked polyoxometallate-modified gold nanoparticles: Preparation and electrochemical characterization. <i>Electrochimica Acta</i> , 2008 , 53, 3924-3931	6.7	47
149	Electrochemical identity of copper hexacyanoferrate in the solid-state: evidence for the presence and redox activity of both iron and copper ionic sites. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 532, 157-164	4.1	47
148	Network electrocatalytic films of conducting polymer-linked polyoxometallate-stabilized platinum nanoparticles. <i>Electrochimica Acta</i> , 2005 , 50, 5155-5162	6.7	46

147	Intercalation of metal complex cations in polyoxometallates: formation of composite films with distinct electrocatalytic centers. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 280, 233-240		46
146	Switching between solid-state electroactivity, coupled with ionic conductivity, and semiconducting or dielectric properties in dry mixed-metal hexacyanoferrate powders. <i>Inorganic Chemistry</i> , 1990 , 29, 2395-2397	5.1	46
145	Solid-state amperometric sensors for gas phase analytes: A review of recent advances. <i>Electroanalysis</i> , 1997 , 9, 97-101	3	45
144	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
143	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
142	Hybrid Metal Cyanometallates Electrochemical Charging and Spectrochemical Identity of Heteronuclear Nickel/Cobalt Hexacyanoferrate. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 3757-3761	3.0	42
141	Solid-state electroanalysis of silicotungstic acid single crystals at an ultramicrodisk electrode. <i>Journal of the American Chemical Society</i> , 1993 , 115, 11878-11884	16.4	42
140	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, 14314-21	4	40
139	Spectroelectrochemical identity of Prussian blue films in various electrolytes: comparison of time-derivative voltabsorptometric responses with conventional cyclic voltammetry. <i>Journal of Solid State Electrochemistry</i> , 1997 , 1, 88-93	2.6	40
138	Mixed-valence electron hopping, redox conduction and migration effects in solid-state electrochemistry of transition metal hexacyanoferrates. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 323, 261-274	4.1	40
137	A new development in polynuclear inorganic films: Silver(I)/crosslinked nickel(II)-hexacyanoferrate(III, II) microstructures. <i>Electrochimica Acta</i> , 1989 , 34, 851-853	6.7	40
136	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
135	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
134	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
133	Enhancement of oxygen reduction by incorporation of heteropolytungstate into the electrocatalytic ink of carbon supported platinum nanoparticles. <i>Electrochimica Acta</i> , 2007 , 52, 3958-3964	6.7	37
132	Counteranion intercalation and kinetics of charge transport during redox reactions of nickel hexacyanoferrate. <i>Electrochimica Acta</i> , 2004 , 49, 4253-4258	6.7	36
131	Protection of Steel Against Corrosion in Aggressive Medium by Surface Modification with Multilayer Polyaniline-Based Composite Film. <i>Journal of the Electrochemical Society</i> , 2003 , 150, B249	3.9	35
130	Oxidation of methanol at an electrocatalytic film containing platinum and polynuclear oxocyanoruthenium microcenters dispersed within tungsten oxide matrix. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 512, 110-118	4.1	35

129	Cathodic fabrication of platinum microparticles via anodic dissolution of a platinum counter-electrode: Electrocatalytic probing and surface analysis of dispersed platinum. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 336, 35-44	4.1	35
128	Toward Pt-Free Anion-Exchange Membrane Fuel Cells: Fe ₃ N Carbon Nitride/Graphene Core/Shell Electrocatalysts for the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2018 , 30, 2651-2659	9.6	34
127	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
126	Voltammetry of phosphotungstic acid immobilized in templated silica gel. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 456, 239-243	4.1	34
125	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
124	Solid-state electrochemistry: voltammetric monitoring of redox transitions in single crystals of silicotungstic acid. <i>Journal of the American Chemical Society</i> , 1991 , 113, 379-381	16.4	33
123	Enhanced photoelectrochemical CO ₂ -reduction system based on mixed Cu ₂ O/Nonstoichiometric TiO ₂ photocathode. <i>Catalysis Today</i> , 2018 , 300, 145-151	5.3	30
122	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
121	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
120	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
119	Protective properties of hexacyanoferrate containing polypyrrole films on stainless steel. <i>Corrosion Science</i> , 2005 , 47, 771-783	6.8	29
118	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
117	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
116	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
115	Electrochemistry of Prussian Blue in silica sol-gel electrolytes doped with polyamidoamine dendrimers. <i>Journal of Solid State Electrochemistry</i> , 2002 , 6, 528-533	2.6	26
114	Preparation, spectroscopic characterization and electrochemical charging of the sodium-containing analogue of Prussian Blue. <i>Electrochimica Acta</i> , 1995 , 40, 681-688	6.7	26
113	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
112	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

111	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
110	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
109	Solid-state electrochemistry of silicotungstic acid immobilized by sol-gel chemistry. <i>Journal of Solid State Electrochemistry</i> , 1998 , 2, 247-252	2.6	24
108	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
107	Solid state voltammetric characterization of iron hexacyanoferrate encapsulated in silica. <i>Journal of Solid State Electrochemistry</i> , 2000 , 4, 199-204	2.6	24
106	Electron Self-Exchange Dynamics of Hexacyanoferrate in Redox Polyether Hybrid Molten Salts Containing Polyether-Tailed Counterions. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 5833-5838	3.4	24
105	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
104	Reactivity and charge transfer at the tungsten oxide/sulfuric acid interfaces: Nonstoichiometric tungsten(VI,V) oxide films as powerful electroreduction catalysts. <i>Colloids and Surfaces</i> , 1989 , 41, 123-134		23
103	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	3.9	22
102	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
101	Oxidation of methanol at the network film of polyoxometallate-linked ruthenium-stabilized platinum nanoparticles. <i>Journal of Solid State Electrochemistry</i> , 2004 , 8, 854-860	2.6	22
100	The effect of modification of carbon electrodes with hybrid inorganic/organic monolayers on morphology and electrocatalytic activity of platinum deposits. <i>Electrochimica Acta</i> , 2001 , 46, 4197-4204	6.7	22
99	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
98	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
97	Electronic-level interactions of tungsten oxide with unsupported Se/Ru electrocatalytic nanoparticles. <i>Electrochimica Acta</i> , 2010 , 55, 7603-7609	6.7	21
96	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
95	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
94	Platinization assisted by Keggin-type heteropolytungstates. <i>Electrochimica Acta</i> , 2003 , 48, 3797-3804	6.7	20

93	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
92	Polyoxometalate/hydroquinone dual redox electrolyte for hybrid energy storage systems. <i>Energy Storage Materials</i> , 2019 , 21, 427-438	19.4	18
91	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	6.7	18
90	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
89	Preparation and characterization of Ag-intercalated copper hexacyanoferrate films on electrodes. <i>Electroanalysis</i> , 1996 , 8, 113-116	3	18
88	Preparation and electrochemical characterization of O-transfer catalytic centers in thin films of mixed-valence ruthenium oxide cross-linked with cyanide. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 323, 131-147	4.1	18
87	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	6.7	18
86	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
85	Evaluation of kinetic constants on porous, non-noble catalyst layers for oxygen reduction: comparative study between SECM and hydrodynamic methods. <i>Catalysis Today</i> , 2016 , 262, 74-81	5.3	17
84	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
83	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
82	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
81	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
80	Films of mixed nickel(II) and thallium(I) hexacyanoferrates(III,II): voltammetric preparation and characterization. <i>Electrochimica Acta</i> , 2001 , 46, 4057-4063	6.7	17
79	Solid-state electrochemical cell for characterization of thin films in the absence of liquid electrolyte. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 347, 417-423	4.1	17
78	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
77	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
76	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

75	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
74	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	2.6	14
73	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
72	Polyoxometallate-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	6.7	13
71	15-Copper(ii)-containing 36-tungsto-4-silicates(iv) [CuO(OH)X(A-SiWO)] (X = Cl, Br): synthesis, structure, magnetic properties, and electrocatalytic CO reduction. <i>Dalton Transactions</i> , 2018 , 47, 12439-12448	4.3	13
70	Electrode processes and charge transport in bulk redox conducting inorganic solids. <i>Electrochimica Acta</i> , 1997 , 42, 867-872	6.7	13
69	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	2.7	12
68	Determination of mixed-valence redox centers and dynamics of charge propagation in a bulk redox-conducting solid: phospho-12-tungstic acid single crystal. <i>Journal of Electroanalytical Chemistry</i> , 1996 , 401, 201-206	4.1	12
67	Fe-Containing 96-Tungsto-16-Phosphate: Synthesis, Structure, Magnetism and Electrochemistry. <i>Chemistry - A European Journal</i> , 2020 , 26, 15821-15824	4.8	12
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