

Kouakou Boniface Kokoh

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.

152 papers	5,385 citations	41 h-index	66 g-index
159 ext. papers	5,913 ext. citations	5.2 avg, IF	5.58 L-index

#	Paper	IF	Citations
152	Insights on the C2 and C3 Electroconversion in Alkaline Medium on Rh/C catalyst: in situ FTIR Spectroscopic and Chromatographic Studies. <i>Electrochimica Acta</i> , 2022 , 140507	6.7	0
151	New insights on the selective electroconversion of the cellulosic biomass-derived glucose at PtAu nanocatalysts in an anion exchange membrane fuel cell. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115162	4.1	0
150	CO ₂ -to-HCOOH Electrochemical Conversion on Nanostructured Cu _x Pd _{100-x} /Carbon Catalysts. <i>ChemElectroChem</i> , 2021 , 8, 1362-1368	4.3	1
149	(Invited) An Insight into the Reaction Mechanism of Organics on Palladium-Based Electrocatalysts. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-01, 1930-1930	0	
148	Transition Metal Sulfide-Based Electrocatalysts for Hydrogen Evolution Reaction in Alkaline Environment. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-01, 1922-1922	0	
147	Electrochemical Oxidation of Carbon Monoxide on Unsupported Gold Nanospheres in Alkaline Medium. <i>Electrocatalysis</i> , 2021 , 12, 26-35	2.7	2
146	Ensemble effects of nickel in surfactant-less prepared Pt-Ni materials on the carbon monoxide oxidative removal. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 219-223	2.6	
145	Rhodium effects on Pt anode materials in a direct alkaline ethanol fuel cell.. <i>RSC Advances</i> , 2020 , 10, 35310-35317	3.7	4
144	Highly efficient formic acid and carbon dioxide electro-reduction to alcohols on indium oxide electrodes. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4030-4038	5.8	7
143	Recent trends in hydrogen and oxygen electrocatalysis for anion exchange membrane technologies. <i>Current Opinion in Electrochemistry</i> , 2020 , 21, 146-159	7.2	3
142	Recent advances in the electrooxidation of biomass-based organic molecules for energy, chemicals and hydrogen production. <i>Catalysis Science and Technology</i> , 2020 , 10, 3071-3112	5.5	22
141	Facile Synthesis of Mesoporous Co ₃ O ₄ /CoO on rGO Nanocomposites as Highly Active and Stable Oxygen Bi-Functional Electrocatalysts. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 134509	3.9	
140	Electrochemical Energy Conversion from Direct Oxidation of Glucose on Active Electrode Materials. <i>Electrocatalysis</i> , 2020 , 11, 170-179	2.7	4
139	CO ₂ electroreduction to fuels on mesoporous carbon-embedded copper nanoparticles. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 6045-6053	5.8	3
138	Insight into the Electrooxidation Mechanism of Ethylene Glycol on Palladium-Based Nanocatalysts: In Situ FTIRS and LC-MS Analysis. <i>ChemElectroChem</i> , 2020 , 7, 4326-4335	4.3	3
137	Bare laser-synthesized palladium-gold alloy nanoparticles as efficient electrocatalysts for glucose oxidation for energy conversion applications. <i>Catalysis Science and Technology</i> , 2020 , 10, 7955-7964	5.5	5
136	Probing the Surface of Noble Metals Electrochemically by Underpotential Deposition of Transition Metals. <i>Surfaces</i> , 2019 , 2, 257-276	2.9	23

135	Co3O4/rGO Catalysts for Oxygen Electrocatalysis: On the Role of the Oxide/Carbon Interaction. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H94-H102	3.9	12
134	Tools and Electrochemical In Situ and On-Line Characterization Techniques for Nanomaterials 2018 , 383-439		
133	One-Pot Soft-Template Synthesis of Nanostructured Copper-Supported Mesoporous Carbon FDU-15 Electrocatalysts for Efficient CO Reduction. <i>ChemPhysChem</i> , 2018 , 19, 1371-1381	3.2	13
132	Preparation and Electrochemical Properties of NiCo O Nanospinel Supported on Graphene Derivatives as Earth-Abundant Oxygen Bifunctional Catalysts. <i>ChemPhysChem</i> , 2018 , 19, 319-326	3.2	4
131	Metal Loading Effect on the Activity of Co3O4/N-Doped Reduced Graphene Oxide Nanocomposites as Bifunctional Oxygen Reduction/Evolution Catalysts. <i>ChemElectroChem</i> , 2018 , 5, 483-493	4.3	14
130	Electrocatalytic and Electroanalytic Investigation of Carbohydrates Oxidation on Gold-Based Nanocatalysts in Alkaline and Neutral pHs. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H425-H436	3.9	16
129	Unexpected Activity for Glycerol Electro-Oxidation of Nanostructured PdPt and PdPtRu Catalysts. <i>ChemElectroChem</i> , 2017 , 4, 1314-1319	4.3	15
128	Efficient Design and Fabrication of Porous Metallic Electrocatalysts 2017 , 511-531		2
127	Co-Based Mesoporous Spinel for Oxygen Evolution Reaction in Alkaline Medium. <i>ECS Transactions</i> , 2017 , 77, 15-24	1	2
126	Electroconversion of glycerol in alkaline medium: From generation of energy to formation of value-added products. <i>Journal of Power Sources</i> , 2017 , 351, 174-182	8.9	46
125	Three dimensionally ordered mesoporous hydroxylated Ni _x Co _{3-x} O ₄ spinels for the oxygen evolution reaction: on the hydroxyl-induced surface restructuring effect. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7173-7183	13	41
124	Optimization of Chitosan Film-Templated Biocathode for Enzymatic Oxygen Reduction in Glucose Hybrid Biofuel Cell. <i>Journal of the Electrochemical Society</i> , 2017 , 164, G29-G35	3.9	13
123	Nanostructured Inorganic Materials at Work in Electrochemical Sensing and Biofuel Cells. <i>Catalysts</i> , 2017 , 7, 31	4	19
122	Selective Nanomaterials for Glucose-to-Gluconate Oxidation in an Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. <i>ECS Transactions</i> , 2017 , 77, 1547-1557	1	2
121	Catalysis and Inhibition in the Electrochemical Reduction of CO on Platinum in the Presence of Protonated Pyridine. New Insights into Mechanisms and Products. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13922-13928	16.4	28
120	Advances in Electrocatalysis for Energy Conversion and Synthesis of Organic Molecules. <i>ChemPhysChem</i> , 2017 , 18, 2573-2605	3.2	30
119	Carbon Support Nanostructuration for CO ₂ Electroreduction to Formic Acid on Copper Based Catalysts. <i>ECS Transactions</i> , 2017 , 77, 1291-1302	1	
118	Complex Oscillatory Kinetics in the Electro-Oxidation of Glucose on Gold. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H603-H607	3.9	7

117	Effect of gradual reduction of graphene oxide on the CO tolerance of supported platinum nanoparticles. <i>Carbon</i> , 2017 , 111, 849-858	10.4	26
116	Effect of Acetic Acid on Carbon Monoxide Electrooxidation over Tin Oxide and Rhodium-Modified Platinum Electrode Materials. <i>Electrocatalysis</i> , 2017 , 8, 11-15	2.7	1
115	Effect of Co-catalyst on the Selective Electrooxidation of Glycerol over Ruthenium-based Nanomaterials. <i>ChemElectroChem</i> , 2017 , 4, 39-45	4.3	25
114	Temperature-dependence of oxygen reduction activity on Pt/C and PtCr/C electrocatalysts synthesized from microwave-heated diethylene glycol method. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 72-84	21.8	23
113	Beneficial Promotion of Underpotentially Deposited Lead Adatoms on Gold Nanorods Toward Glucose Electrooxidation. <i>Electrocatalysis</i> , 2017 , 8, 67-73	2.7	3
112	Electrocatalytic activity of carbon-supported metallophthalocyanine catalysts toward oxygen reduction reaction in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 931-942	2.6	17
111	Reversible Electrocatalytic Activity of Carbon-Supported Pt Ni in Hydrogen Reactions. <i>ChemPhysChem</i> , 2016 , 17, 3964-3973	3.2	6
110	Highly Selective Oxidation of Carbohydrates in an Efficient Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. <i>ChemSusChem</i> , 2016 , 9, 252-63	8.3	33
109	High impact of the reducing agent on palladium nanomaterials: new insights from X-ray photoelectron spectroscopy and oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 12627-12637	3.7	39
108	IrO ₂ Coated on RuO ₂ as Efficient and Stable Electroactive Nanocatalysts for Electrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2562-2573	3.8	300
107	Beneficial effects of rhodium and tin oxide on carbon supported platinum catalysts for ethanol electrooxidation. <i>Journal of Power Sources</i> , 2016 , 315, 47-55	8.9	39
106	One-pot synthesis of reduced graphene oxide supported gold-based nanomaterials as robust nanocatalysts for glucose electrooxidation. <i>Electrochimica Acta</i> , 2016 , 212, 864-875	6.7	49
105	Direct Ethanol Fuel Cell on Carbon Supported Pt Based Nanocatalysts. <i>Nanostructure Science and Technology</i> , 2016 , 435-475	0.9	1
104	Size-Dependent Electrocatalytic Activity of Free Gold Nanoparticles for the Glucose Oxidation Reaction. <i>ChemPhysChem</i> , 2016 , 17, 1454-62	3.2	38
103	Advanced Surfactant-free Nanomaterials for Electrochemical Energy Conversion Systems: From Electrocatalysis to Bionanotechnology 2016 , 103-145		3
102	Effect of the Oxide/Carbon Heterointerface on the Activity of Co ₃ O ₄ /NRGO Nanocomposites toward ORR and OER. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7949-7958	3.8	120
101	Efficient electrolyzer for CO ₂ splitting in neutral water using earth-abundant materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5526-9	11.5	94
100	Facile synthesis of highly active and durable PdM/C (M = Fe, Mn) nanocatalysts for the oxygen reduction reaction in an alkaline medium. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8337-8349	13	36

99	Electrochemically induced surface modifications of mesoporous spinels ($\text{Co}_3\text{O}_4/\text{MnCo}_2\text{O}_4/\text{NiCo}_2\text{O}_4$) as the origin of the OER activity and stability in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17433-17444	13	75
98	Electrospun Carbon Fibers: Promising Electrode Material for Abiotic and Enzymatic Catalysis. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16724-16733	3.8	10
97	Effect of Adding CeO_2 to RuO_2/O_2 Mixed Nanocatalysts: Activity towards the Oxygen Evolution Reaction and Stability in Acidic Media. <i>ChemElectroChem</i> , 2015 , 2, 1128-1137	4.3	66
96	Electrocatalytic properties of nanomaterials synthesized from Bromide Anion Exchange—method - Investigations of glucose and glycerol oxidation. <i>Electrochimica Acta</i> , 2015 , 162, 205-214	6.7	31
95	Advanced Electrocatalysts on the Basis of Bare Au Nanomaterials for Biofuel Cell Applications. <i>ACS Catalysis</i> , 2015 , 5, 6489-6496	13.1	63
94	Electrochemical and Physicochemical Characterizations of Gold-Based Nanomaterials: Correlation between Surface Composition and Electrocatalytic Activity. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H929-H937	3.9	12
93	Wireless Information Transmission System Powered by an Abiotic Biofuel Cell Implanted in an Orange. <i>Electroanalysis</i> , 2015 , 27, 276-280	3	19
92	Kinetic Investigations of Glycerol Oxidation Reaction on Ni/C. <i>Electrocatalysis</i> , 2015 , 6, 447-454	2.7	34
91	Recent Advances in Carbon Supported Metal Nanoparticles Preparation for Oxygen Reduction Reaction in Low Temperature Fuel Cells. <i>Catalysts</i> , 2015 , 5, 310-348	4	73
90	[email-protected] Core-Shell Mesoporous Nanoballs and Nanoparticles as Efficient Electrocatalysts toward Formic Acid and Glucose Oxidation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27529-27539	3.8	36
89	Probing Structure Modification of Palladium Nanomaterials during Chemical Synthesis by using In Situ X-ray Diffraction: Electrochemical Properties. <i>ChemElectroChem</i> , 2015 , 2, 592-599	4.3	18
88	Efficient multi-metallic anode catalysts in a PEM water electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 1924-1931	6.7	28
87	Studies of the reaction products resulted from glycerol electrooxidation on Ni-based materials in alkaline medium. <i>Electrochimica Acta</i> , 2014 , 117, 255-262	6.7	73
86	Electrochemical oxidation of isopropanol using a nickel foam electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 716, 120-128	4.1	26
85	Insights on Hybrid Glucose Biofuel Cells Based on Bilirubin Oxidase Cathode and Gold-Based Anode Nanomaterials. <i>ChemElectroChem</i> , 2014 , 1, 1976-1987	4.3	21
84	Electroactivity of RuO_2/O_2 mixed nanocatalysts toward the oxygen evolution reaction in a water electrolyzer supplied by a solar profile. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 16785-16796	6.7	119
83	Electrochemical Behavior of Organics Oxidation on Palladium-Based Nanocatalysts Synthesized from Bromide Anion Exchange. <i>ECS Transactions</i> , 2014 , 58, 25-35	1	13
82	Pacemaker Activated by an Abiotic Biofuel Cell Operated in Human Serum Solution. <i>Electroanalysis</i> , 2014 , 26, 2445-2457	3	46

81	Identification of chemicals resulted in selective glycerol conversion as sustainable fuel on Pd-based anode nanocatalysts. <i>RSC Advances</i> , 2014 , 4, 64476-64483	3.7	19
80	Enhancing the available specific surface area of carbon supports to boost the electroactivity of nanostructured Pt catalysts. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25609-20	3.6	55
79	Elaboration and characterization of ruthenium nano-oxides for the oxygen evolution reaction in a Proton Exchange Membrane Water Electrolyzer supplied by a solar profile. <i>Electrochimica Acta</i> , 2014 , 132, 284-291	6.7	36
78	New Preparation of PdNi/C and PdAg/C Nanocatalysts for Glycerol Electrooxidation in Alkaline Medium. <i>Electrocatalysis</i> , 2013 , 4, 167-178	2.7	77
77	Effect of Adding a Third Metal to Carbon-Supported PtSn-Based Nanocatalysts for Direct Ethanol Fuel Cell in Acidic Medium. <i>Journal of the Electrochemical Society</i> , 2013 , 160, F965-F971	3.9	20
76	Toward the Electrochemical Valorization of Glycerol: Fourier Transform Infrared Spectroscopic and Chromatographic Studies. <i>ACS Catalysis</i> , 2013 , 3, 2403-2411	13.1	96
75	Shape-dependent electrocatalytic activity of free gold nanoparticles toward glucose oxidation. <i>Gold Bulletin</i> , 2013 , 46, 311-318	1.6	39
74	Insight on the Surface Structure Effect of Free Gold Nanorods on Glucose Electrooxidation. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9872-9880	3.8	51
73	Glycerol oxidation on nickel based nanocatalysts in alkaline medium Identification of the reaction products. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 703, 56-62	4.1	91
72	Kinetic Study of Oxygen Reduction Reaction on Carbon Supported Pd-Based Nanomaterials in Alkaline Medium. <i>Journal of the Electrochemical Society</i> , 2013 , 160, H302-H308	3.9	18
71	Synthesis of RuIr _{1-x} O ₂ Anode Electrocatalysts for Proton Exchange Membrane Water Electrolysis. <i>ECS Transactions</i> , 2013 , 45, 47-58	1	8
70	Direct ethanol fuel cell: Electrochemical performance at 90 °C on Pt and PtSn/C electrocatalysts. <i>Journal of Power Sources</i> , 2012 , 198, 95-99	8.9	45
69	Activity of PtSnRh/C nanoparticles for the electrooxidation of C1 and C2 alcohols. <i>Thin Solid Films</i> , 2012 , 520, 5846-5850	2.2	23
68	An optimization study of PtSn/C catalysts applied to direct ethanol fuel cell: Effect of the preparation method on the electrocatalytic activity of the catalysts. <i>Journal of Power Sources</i> , 2012 , 215, 53-62	8.9	61
67	Development of ternary and quaternary catalysts for the electrooxidation of glycerol. <i>Scientific World Journal, The</i> , 2012 , 2012, 502083	2.2	6
66	Electrochemical activity of ruthenium and iridium based catalysts for oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2012 , 111-112, 376-380	21.8	177
65	Synthesis of Gold-Platinum Nanomaterials Using Bromide Anion Exchange-Synergistic Electroactivity toward CO and Glucose Oxidation. <i>Journal of the Electrochemical Society</i> , 2012 , 159, H828-H833	3.9	39
64	Preparation, characterization and application of PtRuSn/C trimetallic electrocatalysts for ethanol oxidation in direct fuel cell. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11034-11042	6.7	51

63	Activity of sputtered gold particles layers towards glucose electrochemical oxidation in alkaline medium. <i>Current Applied Physics</i> , 2011 , 11, 1149-1152	2.6	8
62	Effect of the Cleaning Step on the Morphology of Gold Nanoparticles. <i>Electrocatalysis</i> , 2011 , 2, 24-27	2.7	7
61	Oxygen Electroreduction Catalyzed by Bilirubin Oxidase Does Not Release Hydrogen Peroxide. <i>Electrocatalysis</i> , 2011 , 2, 268-272	2.7	8
60	One-Step Synthesis of Clean and Size-Controlled Gold Electrocatalysts: Modeling by Taguchi Design of Experiments. <i>Electrocatalysis</i> , 2011 , 2, 279-284	2.7	11
59	Effect of Ni on Pt/C and PtSn/C prepared by the Pechini method. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3803-3810	6.7	49
58	An Optimization Study of PtSn/C Nanocatalysts Prepared by Microwave-assisted Heating and Their Application in Direct Ethanol Fuel Cell: A Comparative Study of PtSn/C Nanocatalysts. <i>ECS Transactions</i> , 2011 , 41, 1271-1278	1	4
57	Electrochemical characterization of adsorbed bilirubin oxidase on Vulcan XC 72R for the biocathode preparation in a glucose/O ₂ biofuel cell. <i>Electrochimica Acta</i> , 2010 , 55, 7701-7705	6.7	37
56	Electrocatalytic Activity of Supported AuPt Nanoparticles for CO Oxidation and O ₂ Reduction in Alkaline Medium. <i>Electrocatalysis</i> , 2010 , 1, 51-59	2.7	20
55	The Effect of Heat Treatment on the Preparation of Pt-RuO ₂ /C Electrocatalysts. <i>Electrocatalysis</i> , 2010 , 1, 122-128	2.7	8
54	TEMPO mediated oxidation of carbohydrates using electrochemical methods. <i>Cellulose</i> , 2010 , 17, 815-824	5.5	24
53	Electroreduction of carbon dioxide at a lead electrode in propylene carbonate: A spectroscopic study. <i>Applied Catalysis B: Environmental</i> , 2010 , 98, 65-71	21.8	42
52	FTIR spectroscopy study of the reduction of carbon dioxide on lead electrode in aqueous medium. <i>Applied Catalysis B: Environmental</i> , 2010 , 94, 219-224	21.8	63
51	Electro-reduction of carbon dioxide to formate on lead electrode in aqueous medium. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 227-232	2.6	148
50	Long-term activity of covalent grafted biocatalysts during intermittent use of a glucose/O ₂ biofuel cell. <i>Electrochimica Acta</i> , 2009 , 54, 2998-3003	6.7	34
49	Activity of platinumRu catalysts prepared by the Pechini-Adams method for the electrooxidation of ethanol. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 628, 81-89	4.1	73
48	Enhancement of the performances of a single concentric glucose/O ₂ biofuel cell by combination of bilirubin oxidase/Nafion cathode and AuPt anode. <i>Electrochemistry Communications</i> , 2009 , 11, 111-113	5.1	52
47	Structural and electrochemical studies of Au-Pt nanoalloys. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3573-9	3.6	91
46	FTIR spectroscopic investigation of pyruvate electroreduction on copper in alkaline medium on the mechanistic aspects. <i>Canadian Journal of Chemistry</i> , 2008 , 86, 992-995	0.9	1

45	Ethanol electrooxidation on Pt-Sn and Pt-Sn-W bulk alloys. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 795-802	1.5	29
44	Concentric glucose/O ₂ biofuel cell. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 622, 97-102	4.1	68
43	Modeling and simulation of the anode in direct ethanol fuels cells. <i>Journal of Power Sources</i> , 2008 , 180, 283-293	8.9	25
42	Application of Ti/RuO ₂ /Ta ₂ O ₅ electrodes in the electrooxidation of ethanol and derivants: Reactivity versus electrocatalytic efficiency. <i>Electrochimica Acta</i> , 2008 , 53, 7845-7851	6.7	24
41	Effect of W on PtSn/C catalysts for ethanol electrooxidation. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 653-662	2.6	66
40	Electrocatalytic oxidation of ethanol on Sn(1-x)Ir(x)O ₂ electrodes in acid medium. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 837-843	2.6	4
39	Activity of platinum-gold alloys for glucose electrooxidation in biofuel cells. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 10329-33	3.4	146
38	Selective Oxidation of Unprotected Carbohydrates to Aldehyde Analogues by Using TEMPO Salts. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 1567-1570	3.2	25
37	Oxygen transport through laccase biocathodes for a membrane-less glucose/O ₂ biofuel cell. <i>Electrochemistry Communications</i> , 2007 , 9, 331-336	5.1	104
36	Carbon-supported ternary PtSnIr catalysts for direct ethanol fuel cell. <i>Electrochimica Acta</i> , 2007 , 52, 6997-7006	6.7	141
35	Electroactivity of tin modified platinum electrodes for ethanol electrooxidation. <i>Journal of Power Sources</i> , 2007 , 167, 1-10	8.9	140
34	In situ FTIRS studies of the electrocatalytic oxidation of ethanol on Pt alloy electrodes. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 1567-1573	2.6	17
33	Methanol electro-oxidation at Pt _x Ru(1-x)O _y electrodes [An in situ FTIR study. <i>Canadian Journal of Chemistry</i> , 2007 , 85, 923-929	0.9	1
32	Selective TEMPO-Catalyzed Chemicals vs. Electrochemical Oxidation of Carbohydrate Derivatives. <i>Journal of Carbohydrate Chemistry</i> , 2006 , 25, 253-266	1.7	22
31	Electrooxidation of acetaldehyde on platinum-modified Ti/Ru _{0.3} Ti _{0.7} O ₂ electrodes. <i>Electrochimica Acta</i> , 2006 , 51, 2800-2808	6.7	18
30	Application of Pt+RuO ₂ catalysts prepared by thermal decomposition of polymeric precursors to DMFC. <i>Journal of Power Sources</i> , 2006 , 158, 1195-1201	8.9	41
29	Electrosynthesis of lactic acid and 2,3-dimethyltartaric acid from pyruvic acid on lead cathode in aqueous medium. <i>Tetrahedron Letters</i> , 2006 , 47, 3459-3462	2	6
28	Electrocatalytic oxidation of lactose on gold nanoparticle modified carbon in carbonate buffer. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 147-151	2.6	11

27	Electrocatalytic oxidation of monosaccharides on platinum electrodes modified by thallium adatoms in carbonate buffered medium. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 233-238	2.6	6
26	Electrosynthesis of 2,3-dimethyltartaric acid from pyruvic acid in acid medium. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 643-647	2.6	3
25	Electrooxidation of benzyl alcohol and benzaldehyde on a nickel oxy-hydroxide electrode in a filter-press type cell. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 1035-1041	2.6	15
24	Electrocatalytic oxidation of ethanol on PtMo bimetallic electrodes in acid medium. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 1391-1397	2.6	51
23	Selective electroreduction of pyruvic acid on lead electrode in acid medium. <i>Electrochimica Acta</i> , 2005 , 50, 2431-2435	6.7	11
22	Electrosynthesis of lactic acid on copper and lead cathodes in aqueous media. <i>Electrochimica Acta</i> , 2005 , 51, 111-117	6.7	13
21	Selective electro-oxidation of d-glucose by RuCl ₂ (azpy) ₂ complexes as electrochemical mediators. <i>Electrochimica Acta</i> , 2005 , 50, 3341-3346	6.7	26
20	Electrochemical investigations of the oxidation/reduction of furfural in aqueous medium. <i>Electrochimica Acta</i> , 2004 , 49, 397-403	6.7	86
19	Electrocatalytic oxidation of acetaldehyde on Pt alloy electrodes. <i>Electrochimica Acta</i> , 2004 , 49, 2077-2083	6.7	33
18	Electrosynthesis of furan-2,5-dicarbaldehyde by programmed potential electrolysis. <i>Tetrahedron Letters</i> , 2002 , 43, 229-231	2	18
17	FTIR spectroelectrochemical investigation of the electrocatalytic oxidation of ascorbic acid at platinum electrodes in acid medium. <i>Electrochimica Acta</i> , 2002 , 47, 3965-3969	6.7	15
16	The oxidation of formaldehyde on high overvoltage DSA type electrodes. <i>Journal of the Brazilian Chemical Society</i> , 2000 , 11, 16-21	1.5	26
15	Electro-oxidation of meso-erythritol on platinum in acid medium: analysis of the reaction products. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 464, 101-109	4.1	5
14	Selective electrocatalytic oxidation of 2,5-dihydroxymethylfuran in aqueous medium: a chromatographic analysis of the reaction products. <i>Electrochimica Acta</i> , 1999 , 44, 2779-2787	6.7	8
13	On some mechanistic aspects of the electrochemical oxidation of lactose at platinum and gold electrodes in alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 426, 103-115	4.1	29
12	Electrocatalytic oxidation of sucrose: analysis of the reaction products. <i>Journal of Applied Electrochemistry</i> , 1997 , 27, 25-33	2.6	20
11	Electrocatalytic oxidation of d-sorbitol on platinum in acid medium: analysis of the reaction products. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 432, 237-242	4.1	23
10	Fourier transform infrared reflectance spectroscopic investigation of the electrocatalytic oxidation of d-glucose: Identification of reactive intermediates and reaction products. <i>Electrochimica Acta</i> , 1996 , 41, 701-709	6.7	184

9	Selective oxidation of lactose to lactobionic acid on lead-adatoms modified platinum electrodes in Na ₂ CO ₃ + NaHCO ₃ buffered medium. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 385, 77-83	4.1	22
8	On the electrochemical reactivity of anomers: electrocatalytic oxidation of α - and β -D-glucose on platinum electrodes in acid and basic media. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 397, 261-269	4.1	69
7	Electro-oxidation of lactose on platinum and on modified platinum electrodes in alkaline medium. <i>Electrochimica Acta</i> , 1994 , 39, 2577-2584	6.7	17
6	Selective oxidation of D-gluconic acid on platinum and lead adatoms modified platinum electrodes in alkaline medium. <i>Electrochimica Acta</i> , 1993 , 38, 1359-1365	6.7	23
5	Electrocatalytic oxidation of saccharose in alkaline medium. <i>Electrochimica Acta</i> , 1993 , 38, 1679-1683	6.7	36
4	On line HPLC chromatographic analysis of the products resulting from the electrocatalytic oxidation of d-glucose on Pt, Au and adatoms modified Pt electrodes Part I. Acid and neutral media. <i>Electrochimica Acta</i> , 1992 , 37, 1333-1342	6.7	59
3	On line HPLC chromatographic analysis of the products resulting from the electrocatalytic oxidation of d-glucose on pure and adatoms modified Pt and Au electrodes Part II. Alkaline medium. <i>Electrochimica Acta</i> , 1992 , 37, 1909-1918	6.7	70
2	Electrosynthesis in aqueous medium: a kinetic study of the electrocatalytic oxidation of oxygenated organic molecules. <i>Electrochimica Acta</i> , 1991 , 36, 1157-1164	6.7	78
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