Kouakou Boniface Kokoh

List of Publications by Citations

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	IrO2 Coated on RuO2 as Efficient and Stable Electroactive Nanocatalysts for Electrochemical Water Splitting. *Journal of Physical Chemistry C*, **2016**, 120, 2562-2573	3.8	300
151	Fourier transform infrared reflectance spectroscopic investigation of the electrocatalytic oxidation of d-glucose: Identification of reactive intermediates and reaction products. *Electrochimica Acta*, **1996**, 41, 701-709	6.7	184
150	Electrochemical activity of ruthenium and iridium based catalysts for oxygen evolution reaction. *Applied Catalysis B: Environmental*, **2012**, 111-112, 376-380	21.8	177
149	Electro-reduction of carbon dioxide to formate on lead electrode in aqueous medium. *Journal of Applied Electrochemistry*, **2009**, 39, 227-232	2.6	148
148	Activity of platinum-gold alloys for glucose electrooxidation in biofuel cells. *Journal of Physical Chemistry B*, **2007**, 111, 10329-33	3.4	146
147	Carbon-supported ternary PtSnIr catalysts for direct ethanol fuel cell. *Electrochimica Acta*, **2007**, 52, 6997-7006	6.7	141
146	Electroactivity of tin modified platinum electrodes for ethanol electrooxidation. *Journal of Power Sources*, **2007**, 167, 1-10	8.9	140
145	Effect of the Oxide–Carbon Heterointerface on the Activity of Co3O4/NRGO Nanocomposites toward ORR and OER. *Journal of Physical Chemistry C*, **2016**, 120, 7949-7958	3.8	120
144	Electroactivity of RuO2–IrO2 mixed nanocatalysts toward the oxygen evolution reaction in a water electrolyzer supplied by a solar profile. *International Journal of Hydrogen Energy*, **2014**, 39, 16785-16796	6.7	119
143	Oxygen transport through laccase biocathodes for a membrane-less glucose/O2 biofuel cell. *Electrochemistry Communications*, **2007**, 9, 331-336	5.1	104
142	Toward the Electrochemical Valorization of Glycerol: Fourier Transform Infrared Spectroscopic and Chromatographic Studies. *ACS Catalysis*, **2013**, 3, 2403-2411	13.1	96
141	Efficient electrolyzer for CO2 splitting in neutral water using earth-abundant materials. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5526-9	11.5	94
140	Glycerol oxidation on nickel based nanocatalysts in alkaline medium – identification of the reaction products. *Journal of Electroanalytical Chemistry*, **2013**, 703, 56-62	4.1	91
139	Structural and electrochemical studies of Au-Pt nanoalloys. *Physical Chemistry Chemical Physics*, **2009**, 11, 3573-9	3.6	91
138	Electrochemical investigations of the oxidation–reduction of furfural in aqueous medium. *Electrochimica Acta*, **2004**, 49, 397-403	6.7	86
137	Electrosynthesis in aqueous medium: a kinetic study of the electrocatalytic oxidation of oxygenated organic molecules. *Electrochimica Acta*, **1991**, 36, 1157-1164	6.7	78
136	New Preparation of PdNi/C and PdAg/C Nanocatalysts for Glycerol Electrooxidation in Alkaline Medium. *Electrocatalysis*, **2013**, 4, 167-178	2.7	77

135	Electrochemically induced surface modifications of mesoporous spinels (Co_3O_4, $MnCo_2O_4$, $NiCo_2O_4$) as the origin of the OER activity and stability in alkaline medium. *Journal of Materials Chemistry A*, **2015**, 3, 17433-17444	13	75
134	Studies of the reaction products resulted from glycerol electrooxidation on Ni-based materials in alkaline medium. *Electrochimica Acta*, **2014**, 117, 255-262	6.7	73
133	Recent Advances in Carbon Supported Metal Nanoparticles Preparation for Oxygen Reduction Reaction in Low Temperature Fuel Cells. *Catalysts*, **2015**, 5, 310-348	4	73
132	Activity of platinum–tin catalysts prepared by the Pechini–Adams method for the electrooxidation of ethanol. *Journal of Electroanalytical Chemistry*, **2009**, 628, 81-89	4.1	73
131	On line 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. *Electrochimica Acta*, **1992**, 37, 1909-1918	6.7	70
130	On the electrochemical reactivity of anomers: electrocatalytic oxidation of α- and β-d-glucose on platinum electrodes in acid and basic media. *Journal of Electroanalytical Chemistry*, **1995**, 397, 261-269	4.1	69
129	Concentric glucose/O2 biofuel cell. *Journal of Electroanalytical Chemistry*, **2008**, 622, 97-102	4.1	68
128	Effect of Adding CeO_2 to RuO_2–TiO_2 Mixed Nanocatalysts: Activity towards the Oxygen Evolution Reaction and Stability in Acidic Media. *ChemElectroChem*, **2015**, 2, 1128-1137	4.3	66
127	Effect of W on PtSn/C catalysts for ethanol electrooxidation. *Journal of Applied Electrochemistry*, **2008**, 38, 653-662	2.6	66
126	Advanced Electrocatalysts on the Basis of Bare Au Nanomaterials for Biofuel Cell Applications. *ACS Catalysis*, **2015**, 5, 6489-6496	13.1	63
125	FTIR spectroscopy study of the reduction of carbon dioxide on lead electrode in aqueous medium. *Applied Catalysis B: Environmental*, **2010**, 94, 219-224	21.8	63
124	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. *Journal of Power Sources*, **2012**, 215, 53-62	8.9	61
123	On line 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. *Electrochimica Acta*, **1992**, 37, 1333-1342	6.7	59
122	Enhancing the available specific surface area of carbon supports to boost the electroactivity of nanostructured Pt catalysts. *Physical Chemistry Chemical Physics*, **2014**, 16, 25609-20	3.6	55
121	Enhancement of the performances of a single concentric glucose/O2 biofuel cell by combination of bilirubin oxidase/Nafion cathode and Au–Pt anode. *Electrochemistry Communications*, **2009**, 11, 111-113	5.1	52
120	Insight on the Surface Structure Effect of Free Gold Nanorods on Glucose Electrooxidation. *Journal of Physical Chemistry C*, **2013**, 117, 9872-9880	3.8	51
119	Preparation, characterization and application of Pt–Ru–Sn/C trimetallic electrocatalysts for ethanol oxidation in direct fuel cell. *International Journal of Hydrogen Energy*, **2011**, 36, 11034-11042	6.7	51
118	Electrocatalytic oxidation of ethanol on Pt–Mo bimetallic electrodes in acid medium. *Journal of Applied Electrochemistry*, **2006**, 36, 1391-1397	2.6	51

117	Effect of Ni on Pt/C and PtSn/C prepared by the Pechini method. *International Journal of Hydrogen Energy*, **2011**, 36, 3803-3810	6.7	49
116	One-pot synthesis of reduced graphene oxide supported gold-based nanomaterials as robust nanocatalysts for glucose electrooxidation. *Electrochimica Acta*, **2016**, 212, 864-875	6.7	49
115	Electroconversion of glycerol in alkaline medium: From generation of energy to formation of value-added products. *Journal of Power Sources*, **2017**, 351, 174-182	8.9	46
114	Pacemaker Activated by an Abiotic Biofuel Cell Operated in Human Serum Solution. *Electroanalysis*, **2014**, 26, 2445-2457	3	46
113	Direct ethanol fuel cell: Electrochemical performance at 90 °C on Pt and PtSn/C electrocatalysts. *Journal of Power Sources*, **2012**, 198, 95-99	8.9	45
112	Electroreduction of carbon dioxide at a lead electrode in propylene carbonate: A spectroscopic study. *Applied Catalysis B: Environmental*, **2010**, 98, 65-71	21.8	42
111	Three dimensionally ordered mesoporous hydroxylated NixCo3−xO4 spinels for the oxygen evolution reaction: on the hydroxyl-induced surface restructuring effect. *Journal of Materials Chemistry A*, **2017**, 5, 7173-7183	13	41
110	Application of Pt+RuO2 catalysts prepared by thermal decomposition of polymeric precursors to DMFC. *Journal of Power Sources*, **2006**, 158, 1195-1201	8.9	41
109	High impact of the reducing agent on palladium nanomaterials: new insights from X-ray photoelectron spectroscopy and oxygen reduction reaction. *RSC Advances*, **2016**, 6, 12627-12637	3.7	39
108	Beneficial effects of rhodium and tin oxide on carbon supported platinum catalysts for ethanol electrooxidation. *Journal of Power Sources*, **2016**, 315, 47-55	8.9	39
107	Shape-dependent electrocatalytic activity of free gold nanoparticles toward glucose oxidation. *Gold Bulletin*, **2013**, 46, 311-318	1.6	39
106	Synthesis of Gold-Platinum Nanomaterials Using Bromide Anion Exchange-Synergistic Electroactivity toward CO and Glucose Oxidation. *Journal of the Electrochemical Society*, **2012**, 159, H828-H833	3.9	39
105	Size-Dependent Electrocatalytic Activity of Free Gold Nanoparticles for the Glucose Oxidation Reaction. *ChemPhysChem*, **2016**, 17, 1454-62	3.2	38
104	Electrochemical characterization of adsorbed bilirubin oxidase on Vulcan XC 72R for the biocathode preparation in a glucose/O2 biofuel cell. *Electrochimica Acta*, **2010**, 55, 7701-7705	6.7	37
103	 Core−Shell Mesoporous Nanoballs and Nanoparticles as Efficient Electrocatalysts toward Formic Acid and Glucose Oxidation. *Journal of Physical Chemistry C*, **2015**, 119, 27529-27539	3.8	36
102	Elaboration and characterization of ruthenium nano-oxides for the oxygen evolution reaction in a Proton Exchange Membrane Water Electrolyzer supplied by a solar profile. *Electrochimica Acta*, **2014**, 132, 284-291	6.7	36
101	Electrocatalytic oxidation of saccharose in alkaline medium. *Electrochimica Acta*, **1993**, 38, 1679-1683	6.7	36
100	Facile synthesis of highly active and durable PdM/C (M = Fe, Mn) nanocatalysts for the oxygen reduction reaction in an alkaline medium. *Journal of Materials Chemistry A*, **2016**, 4, 8337-8349	13	36

99	Kinetic Investigations of Glycerol Oxidation Reaction on Ni/C. *Electrocatalysis*, **2015**, 6, 447-454	2.7	34
98	Long-term activity of covalent grafted biocatalysts during intermittent use of a glucose/O2 biofuel cell. *Electrochimica Acta*, **2009**, 54, 2998-3003	6.7	34
97	Highly Selective Oxidation of Carbohydrates in an Efficient Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. *ChemSusChem*, **2016**, 9, 252-63	8.3	33
96	Electrocatalytic oxidation of acetaldehyde on Pt alloy electrodes. *Electrochimica Acta*, **2004**, 49, 2077-2083	5.7	33
95	Electrocatalytic properties of nanomaterials synthesized from Bromide Anion Exchange method - Investigations of glucose and glycerol oxidation. *Electrochimica Acta*, **2015**, 162, 205-214	6.7	31
94	Advances in Electrocatalysis for Energy Conversion and Synthesis of Organic Molecules. *ChemPhysChem*, **2017**, 18, 2573-2605	3.2	30
93	On some mechanistic aspects of the electrochemical oxidation of lactose at platinum and gold electrodes in alkaline medium. *Journal of Electroanalytical Chemistry*, **1997**, 426, 103-115	4.1	29
92	Ethanol electrooxidation on Pt-Sn and Pt-Sn-W bulk alloys. *Journal of the Brazilian Chemical Society*, **2008**, 19, 795-802	1.5	29
91	Efficient multi-metallic anode catalysts in a PEM water electrolyzer. *International Journal of Hydrogen Energy*, **2014**, 39, 1924-1931	6.7	28
90	Catalysis and Inhibition in the Electrochemical Reduction of CO on Platinum in the Presence of Protonated Pyridine. New Insights into Mechanisms and Products. *Journal of the American Chemical Society*, **2017**, 139, 13922-13928	16.4	28
89	Electrochemical oxidation of isopropanol using a nickel foam electrode. *Journal of Electroanalytical Chemistry*, **2014**, 716, 120-128	4.1	26
88	Effect of gradual reduction of graphene oxide on the CO tolerance of supported platinum nanoparticles. *Carbon*, **2017**, 111, 849-858	10.4	26
87	Selective electro-oxidation of d-glucose by RuCl2(azpy)2 complexes as electrochemical mediators. *Electrochimica Acta*, **2005**, 50, 3341-3346	6.7	26
86	The oxidation of formaldehyde on high overvoltage DSA type electrodes. *Journal of the Brazilian Chemical Society*, **2000**, 11, 16-21	1.5	26
85	Effect of Co-catalyst on the Selective Electrooxidation of Glycerol over Ruthenium-based Nanomaterials. *ChemElectroChem*, **2017**, 4, 39-45	4.3	25
84	Selective Oxidation of Unprotected Carbohydrates to Aldehyde Analogues by Using TEMPO Salts. *European Journal of Organic Chemistry*, **2007**, 2007, 1567-1570	3.2	25
83	Modeling and simulation of the anode in direct ethanol fuels cells. *Journal of Power Sources*, **2008**, 180, 283-293	8.9	25
82	TEMPO mediated oxidation of carbohydrates using electrochemical methods. *Cellulose*, **2010**, 17, 815-824	5.5	24

81	Application of Ti/RuO2–Ta2O5 electrodes in the electrooxidation of ethanol and derivants: Reactivity versus electrocatalytic efficiency. *Electrochimica Acta*, **2008**, 53, 7845-7851	6.7	24
80	Probing the Surface of Noble Metals Electrochemically by Underpotential Deposition of Transition Metals. *Surfaces*, **2019**, 2, 257-276	2.9	23
79	Activity of PtSnRh/C nanoparticles for the electrooxidation of C1 and C2 alcohols. *Thin Solid Films*, **2012**, 520, 5846-5850	2.2	23
78	Temperature-dependence of oxygen reduction activity on Pt/C and PtCr/C electrocatalysts synthesized from microwave-heated diethylene glycol method. *Applied Catalysis B: Environmental*, **2017**, 203, 72-84	21.8	23
77	Electrocatalytic oxidation of d-sorbitol on platinum in acid medium: analysis of the reaction products. *Journal of Electroanalytical Chemistry*, **1997**, 432, 237-242	4.1	23
76	Selective oxidation of D-gluconic acid on platinum and lead adatoms modified platinum electrodes in alkaline medium. *Electrochimica Acta*, **1993**, 38, 1359-1365	6.7	23
75	Recent advances in the electrooxidation of biomass-based organic molecules for energy, chemicals and hydrogen production. *Catalysis Science and Technology*, **2020**, 10, 3071-3112	5.5	22
74	Selective TEMPO-Catalyzed Chemicals vs. Electrochemical Oxidation of Carbohydrate Derivatives. *Journal of Carbohydrate Chemistry*, **2006**, 25, 253-266	1.7	22
73	Selective oxidation of lactose to lactobionic acid on lead-adatoms modified platinum electrodes in Na2CO3 + NaHCO3 buffered medium. *Journal of Electroanalytical Chemistry*, **1995**, 385, 77-83	4.1	22
72	Insights on Hybrid Glucose Biofuel Cells Based on Bilirubin Oxidase Cathode and Gold-Based Anode Nanomaterials. *ChemElectroChem*, **2014**, 1, 1976-1987	4.3	21
71	Effect of Adding a Third Metal to Carbon-Supported PtSn-Based Nanocatalysts for Direct Ethanol Fuel Cell in Acidic Medium. *Journal of the Electrochemical Society*, **2013**, 160, F965-F971	3.9	20
70	Electrocatalytic Activity of Supported Au–Pt Nanoparticles for CO Oxidation and O2 Reduction in Alkaline Medium. *Electrocatalysis*, **2010**, 1, 51-59	2.7	20
69	Electrocatalytic oxidation of sucrose: analysis of the reaction products. *Journal of Applied Electrochemistry*, **1997**, 27, 25-33	2.6	20
68	Wireless Information Transmission System Powered by an Abiotic Biofuel Cell Implanted in an Orange. *Electroanalysis*, **2015**, 27, 276-280	3	19
67	Nanostructured Inorganic Materials at Work in Electrochemical Sensing and Biofuel Cells. *Catalysts*, **2017**, 7, 31	4	19
66	Identification of chemicals resulted in selective glycerol conversion as sustainable fuel on Pd-based anode nanocatalysts. *RSC Advances*, **2014**, 4, 64476-64483	3.7	19
65	Probing Structure Modification of Palladium Nanomaterials during Chemical Synthesis by using In Situ X-ray Diffraction: Electrochemical Properties. *ChemElectroChem*, **2015**, 2, 592-599	4.3	18
64	Kinetic Study of Oxygen Reduction Reaction on Carbon Supported Pd-Based Nanomaterials in Alkaline Medium. *Journal of the Electrochemical Society*, **2013**, 160, H302-H308	3.9	18

63	Electrooxidation of acetaldehyde on platinum-modified Ti/Ru0.3Ti0.7O2 electrodes. *Electrochimica Acta*, **2006**, 51, 2800-2808	6.7	18
62	Electrosynthesis of furan-2,5-dicarbaldehyde by programmed potential electrolysis. *Tetrahedron Letters*, **2002**, 43, 229-231	2	18
61	Electrocatalytic activity of carbon-supported metallophthalocyanine catalysts toward oxygen reduction reaction in alkaline solution. *Journal of Solid State Electrochemistry*, **2016**, 20, 931-942	2.6	17
60	In situ FTIRS studies of the electrocatalytic oxidation of ethanol on Pt alloy electrodes. *Journal of Solid State Electrochemistry*, **2007**, 11, 1567-1573	2.6	17
59	Electro-oxidation of lactose on platinum and on modified platinum electrodes in alkaline medium. *Electrochimica Acta*, **1994**, 39, 2577-2584	6.7	17
58	Electrocatalytic and Electroanalytic Investigation of Carbohydrates Oxidation on Gold-Based Nanocatalysts in Alkaline and Neutral pHs. *Journal of the Electrochemical Society*, **2018**, 165, H425-H436	3.9	16
57	Unexpected Activity for Glycerol Electro-Oxidation of Nanostructured PdPt and PdPtRu Catalysts. *ChemElectroChem*, **2017**, 4, 1314-1319	4.3	15
56	Electrooxidation of benzyl alcohol and benzaldehyde on a nickel oxy-hydroxide electrode in a filter-press type cell. *Journal of Applied Electrochemistry*, **2006**, 36, 1035-1041	2.6	15
55	FTIR spectroelectrochemical investigation of the electrocatalytic oxidation of ascorbic acid at platinum electrodes in acid medium. *Electrochimica Acta*, **2002**, 47, 3965-3969	6.7	15
54	Metal Loading Effect on the Activity of Co3O4/N-Doped Reduced Graphene Oxide Nanocomposites as Bifunctional Oxygen Reduction/Evolution Catalysts. *ChemElectroChem*, **2018**, 5, 483-493	4.3	14
53	Optimization of Chitosan Film-Templated Biocathode for Enzymatic Oxygen Reduction in Glucose Hybrid Biofuel Cell. *Journal of the Electrochemical Society*, **2017**, 164, G29-G35	3.9	13
52	One-Pot Soft-Template Synthesis of Nanostructured Copper-Supported Mesoporous Carbon FDU-15 Electrocatalysts for Efficient CO Reduction. *ChemPhysChem*, **2018**, 19, 1371-1381	3.2	13
51	Electrochemical Behavior of Organics Oxidation on Palladium-Based Nanocatalysts Synthesized from Bromide Anion Exchange. *ECS Transactions*, **2014**, 58, 25-35	1	13
50	Electrosynthesis of lactic acid on copper and lead cathodes in aqueous media. *Electrochimica Acta*, **2005**, 51, 111-117	6.7	13
49	Co3O4/rGO Catalysts for Oxygen Electrocatalysis: On the Role of the Oxide/Carbon Interaction. *Journal of the Electrochemical Society*, **2019**, 166, H94-H102	3.9	12
48	Electrochemical and Physicochemical Characterizations of Gold-Based Nanomaterials: Correlation between Surface Composition and Electrocatalytic Activity. *Journal of the Electrochemical Society*, **2015**, 162, H929-H937	3.9	12
47	One-Step Synthesis of Clean and Size-Controlled Gold Electrocatalysts: Modeling by Taguchi Design of Experiments. *Electrocatalysis*, **2011**, 2, 279-284	2.7	11
46	Electrocatalytic oxidation of lactose on gold nanoparticle modified carbon in carbonate buffer. *Journal of Applied Electrochemistry*, **2006**, 36, 147-151	2.6	11

45	Selective electroreduction of pyruvic acid on lead electrode in acid medium. *Electrochimica Acta*, **2005**, 50, 2431-2435	6.7	11
44	Electrospun Carbon Fibers: Promising Electrode Material for Abiotic and Enzymatic Catalysis. *Journal of Physical Chemistry C*, **2015**, 119, 16724-16733	3.8	10
43	Synthesis of RuxIr1-xO2 Anode Electrocatalysts for Proton Exchange Membrane Water Electrolysis. *ECS Transactions*, **2013**, 45, 47-58	1	8
42	Activity of sputtered gold particles layers towards glucose electrochemical oxidation in alkaline medium. *Current Applied Physics*, **2011**, 11, 1149-1152	2.6	8
41	Oxygen Electroreduction Catalyzed by Bilirubin Oxidase Does Not Release Hydrogen Peroxide. *Electrocatalysis*, **2011**, 2, 268-272	2.7	8
40	The Effect of Heat Treatment on the Preparation of Pt-RuO2/C Electrocatalysts. *Electrocatalysis*, **2010**, 1, 122-128	2.7	8
39	Selective electrocatalytic oxidation of 2,5-dihydroxymethylfuran in aqueous medium: a chromatographic analysis of the reaction products. *Electrochimica Acta*, **1999**, 44, 2779-2787	6.7	8
38	Highly efficient formic acid and carbon dioxide electro-reduction to alcohols on indium oxide electrodes. *Sustainable Energy and Fuels*, **2020**, 4, 4030-4038	5.8	7
37	Complex Oscillatory Kinetics in the Electro-Oxidation of Glucose on Gold. *Journal of the Electrochemical Society*, **2017**, 164, H603-H607	3.9	7
36	Effect of the Cleaning Step on the Morphology of Gold Nanoparticles. *Electrocatalysis*, **2011**, 2, 24-27	2.7	7
35	Reversible Electrocatalytic Activity of Carbon-Supported Pt Ni in Hydrogen Reactions. *ChemPhysChem*, **2016**, 17, 3964-3973	3.2	6
34	Development of ternary and quaternary catalysts for the electrooxidation of glycerol. *Scientific World Journal, The*, **2012**, 2012, 502083	2.2	6
33	Electrosynthesis of lactic acid and 2,3-dimethyltartaric acid from pyruvic acid on lead cathode in aqueous medium. *Tetrahedron Letters*, **2006**, 47, 3459-3462	2	6
32	Electrocatalytic oxidation of monosaccharides on platinum electrodes modified by thallium adatoms in carbonate buffered medium. *Journal of Applied Electrochemistry*, **2006**, 36, 233-238	2.6	6
31	Electro-oxidation of meso-erythritol on platinum in acid medium: analysis of the reaction products. *Journal of Electroanalytical Chemistry*, **1999**, 464, 101-109	4.1	5
30	Bare laser-synthesized palladium–gold alloy nanoparticles as efficient electrocatalysts for glucose oxidation for energy conversion applications. *Catalysis Science and Technology*, **2020**, 10, 7955-7964	5.5	5
29	Rhodium effects on Pt anode materials in a direct alkaline ethanol fuel cell.. *RSC Advances*, **2020**, 10, 35310-35317	3.7	4
28	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. *ECS Transactions*, **2011**, 41, 1271-1278	1	4

27	Electrocatalytic oxidation of ethanol on Sn(1−x)Ir(x)O2 electrodes in acid medium. *Journal of Applied Electrochemistry*, **2008**, 38, 837-843	2.6	4
26	Electrochemical Energy Conversion from Direct Oxidation of Glucose on Active Electrode Materials. *Electrocatalysis*, **2020**, 11, 170-179	2.7	4
25	Preparation and Electrochemical Properties of NiCo O Nanospinels Supported on Graphene Derivatives as Earth-Abundant Oxygen Bifunctional Catalysts. *ChemPhysChem*, **2018**, 19, 319-326	3.2	4
24	Recent trends in hydrogen and oxygen electrocatalysis for anion exchange membrane technologies. *Current Opinion in Electrochemistry*, **2020**, 21, 146-159	7.2	3
23	Beneficial Promotion of Underpotentially Deposited Lead Adatoms on Gold Nanorods Toward Glucose Electrooxidation. *Electrocatalysis*, **2017**, 8, 67-73	2.7	3
22	Electrosynthesis of 2,3-dimethyltartaric acid from pyruvic acid in acid medium. *Journal of Applied Electrochemistry*, **2006**, 36, 643-647	2.6	3
21	CO2 electroreduction to fuels on mesoporous carbon-embedded copper nanoparticles. *Sustainable Energy and Fuels*, **2020**, 4, 6045-6053	5.8	3
20	Insight into the Electrooxidation Mechanism of Ethylene Glycol on Palladium-Based Nanocatalysts: In Situ FTIRS and LC-MS Analysis. *ChemElectroChem*, **2020**, 7, 4326-4335	4.3	3
19	Advanced Surfactant-free Nanomaterials for Electrochemical Energy Conversion Systems: From Electrocatalysis to Bionanotechnology **2016**, 103-145		3
18	Efficient Design and Fabrication of Porous Metallic Electrocatalysts **2017**, 511-531		2
17	Co-Based Mesoporous Spinels for Oxygen Evolution Reaction in Alkaline Medium. *ECS Transactions*, **2017**, 77, 15-24	1	2
16	Selective Nanomaterials for Glucose-to-Gluconate Oxidation in an Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. *ECS Transactions*, **2017**, 77, 1547-1557	1	2
15	Electrochemical Oxidation of Carbon Monoxide on Unsupported Gold Nanospheres in Alkaline Medium. *Electrocatalysis*, **2021**, 12, 26-35	2.7	2
14	Effect of Acetic Acid on Carbon Monoxide Electrooxidation over Tin Oxide and Rhodium-Modified Platinum Electrode Materials. *Electrocatalysis*, **2017**, 8, 11-15	2.7	1
13	FTIR spectroscopic investigation of pyruvate electroreduction on copper in alkaline medium □On the mechanistic aspects. *Canadian Journal of Chemistry*, **2008**, 86, 992-995	0.9	1
12	Methanol electro-oxidation at Ptx Ru(1−x)Oy electrodes □An in situ FTIR study. *Canadian Journal of Chemistry*, **2007**, 85, 923-929	0.9	1
11	CO2-to-HCOOH Electrochemical Conversion on Nanostructured CuxPd100−x/Carbon Catalysts. *ChemElectroChem*, **2021**, 8, 1362-1368	4.3	1
10	Direct Ethanol Fuel Cell on Carbon Supported Pt Based Nanocatalysts. *Nanostructure Science and Technology*, **2016**, 435-475	0.9	1

9	Electrochemical hydrogen generation technology: Challenges in electrodes materials for a sustainable energy. *Electrochemical Science Advances*,		1
8	New insights on the selective electroconversion of the cellulosic biomass-derived glucose at PtAu nanocatalysts in an anion exchange membrane fuel cell. *Journal of Electroanalytical Chemistry*, **2021**, 887, 115162	4.1	0
7	Insights on the C2 and C3 Electroconversion in Alkaline Medium on Rh/C catalyst: in situ FTIR Spectroscopic and Chromatographic Studies. *Electrochimica Acta*, **2022**, 140507	6.7	0
6	Tools and Electrochemical In Situ and On-Line Characterization Techniques for Nanomaterials **2018**, 383-439		
5	Carbon Support Nanostructuration for CO 2 Electroreduction to Formic Acid on Copper Based Catalysts. *ECS Transactions*, **2017**, 77, 1291-1302	1	
4	Facile Synthesis of Mesoporous Co3O4/CoO on rGO Nanocomposites as Highly Active and Stable Oxygen Bi-Functional Electrocatalysts. *Journal of the Electrochemical Society*, **2020**, 167, 134509	3.9	
3	(Invited) An Insight into the Reaction Mechanism of Organics on Palladium-Based Electrocatalysts. *ECS Meeting Abstracts*, **2021**, MA2021-01, 1930-1930	0	
2	Transition Metal Sulfide-Based Electrocatalysts for Hydrogen Evolution Reaction in Alkaline Environment. *ECS Meeting Abstracts*, **2021**, MA2021-01, 1922-1922	0	
1	Ensemble effects of nickel in surfactant-less prepared Pt-Ni materials on the carbon monoxide oxidative removal. *Journal of Solid State Electrochemistry*, **2021**, 25, 219-223	2.6	