

# Daniel Guay

## List of Publications by Year in descending order

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267  
papers

9,623  
citations

30070

54  
h-index

53230

85  
g-index

274  
all docs

274  
docs citations

274  
times ranked

9586  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Defective Metal-Organic Framework-808@Polyaniline Composite Materials for High Capacitance Retention Supercapacitor Electrodes. ACS Applied Energy Materials, 2022, 5, 1235-1243.   | 5.1  | 24        |
| 2  | Au(001) Thin Films: Impact of Structure and Mosaicity on the Oxygen Reduction Reaction in Alkaline Medium. ACS Catalysis, 2022, 12, 1664-1676.  | 11.2 | 1         |
| 3  | Highly porous scaffolds for Ru-based microsupercapacitor electrodes using hydrogen bubble templated electrodeposition. Energy Storage Materials, 2022, 47, 134-140.   | 18.0 | 10        |
| 4  | Impact of Density on the Behavior of Suspension Plasma-Sprayed TiB <sub>2</sub> Coatings in the Presence of Molten Aluminum. Journal of Thermal Spray Technology, 2022, 31, 1499-1507.                                      | 3.1  | 2         |
| 5  | The effect of bond coat on the high-temperature behavior of HVOF-sprayed (Co,Ni)O coating on Cu-Ni-Fe anodes. Surface and Coatings Technology, 2022, 441, 128576.   | 4.8  | 4         |
| 6  | Uncovering Activity-Stability Relationships in Mixed Ir-Based Catalysts Toward Improved Water Electrolysis. ECS Meeting Abstracts, 2022, MA2022-01, 1373-1373.  | 0.0  | 0         |
| 7  | Porous RuO <sub>x</sub> N <sub>y</sub> S <sub>z</sub> Electrodes for Microsupercapacitors and Microbatteries with Enhanced Areal Performance. ACS Energy Letters, 2021, 6, 131-139.   | 17.4 | 19        |
| 8  | Electrodeposited TiB <sub>2</sub> on graphite as wettable cathode for Al production. Journal of the American Ceramic Society, 2021, 104, 1247-1254.   | 3.8  | 6         |
| 9  | TiB <sub>2</sub> Deposited on Graphite by Suspension Plasma Spray as Al Wettable Cathode. Journal of Thermal Spray Technology, 2021, 30, 1535-1543.   | 3.1  | 7         |
| 10 | High-temperature behaviour of HVOF (Co,Ni)O coated Cu-Ni-Fe anodes. Corrosion Science, 2021, 189, 109563.   | 6.6  | 7         |
| 11 | Effect of IrO <sub>6</sub> Octahedron Distortion on the OER Activity at (100) IrO <sub>2</sub> Thin Film. ACS Catalysis, 2020, 10, 806-817.   | 11.2 | 52        |
| 12 | Sampled current voltammetry for kinetic studies on materials unsuitable for rotating discs or microelectrodes: Application to the oxygen reduction reaction in acidic medium. Electrochimica Acta, 2020, 362, 136946.       | 5.2  | 8         |
| 13 | Understanding the Improved Activity of Dendritic Sn <sub>1</sub> Pb <sub>3</sub> Alloy for the CO <sub>2</sub> Electrochemical Reduction: A Computational-Experimental Investigation. ACS Catalysis, 2020, 10, 10726-10734. | 11.2 | 11        |
| 14 | Rethinking Pseudocapacitance: A Way to Harness Charge Storage of Crystalline RuO <sub>2</sub> . ACS Applied Energy Materials, 2020, 3, 4144-4148.   | 5.1  | 11        |
| 15 | OER Performances of Cationic Substituted (100)-Oriented IrO <sub>2</sub> Thin Films: A Joint Experimental and Theoretical Study. ACS Applied Energy Materials, 2020, 3, 5229-5237.  | 5.1  | 14        |
| 16 | Progress in the electrochemical reduction of CO <sub>2</sub> on hierarchical dendritic metal electrodes. Current Opinion in Electrochemistry, 2020, 23, 145-153.  | 4.8  | 6         |
| 17 | Suspension plasma spray deposition of Co <sub>x</sub> Ni <sub>1-x</sub> O coatings. Surface and Coatings Technology, 2020, 399, 126168.   | 4.8  | 8         |
| 18 | High Areal Capacity Porous Sn-Au Alloys with Long Cycle Life for Li-ion Microbatteries. Scientific Reports, 2020, 10, 10405.  | 3.3  | 9         |

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|----|--|------|-----------|
| 19 | Cold-Sprayed Cu-Ni-Fe Anodes for CO <sub>2</sub> -Free Aluminum Production. Journal of Thermal Spray Technology, 2020, 29, 670-683.  | 3.1  | 7         |
| 20 | Uncovering the nature of electroactive sites in nano architected dendritic Bi for highly efficient CO <sub>2</sub> electroreduction to formate. Applied Catalysis B: Environmental, 2020, 274, 119031.                                     | 20.2 | 46        |
| 21 | Double Approach Towards 3D Electrodeposited RuO <sub>x</sub> Porous Structure for High Energy/High Power Micro-Supercapacitors. ECS Meeting Abstracts, 2020, MA2020-01, 2828-2828.   | 0.0  | 0         |
| 22 | Study of Li Metal/C Paper Electrodes for Li/S Batteries By Operando Dilatometry. ECS Meeting Abstracts, 2020, MA2020-01, 561-561.  | 0.0  | 0         |
| 23 | Regeneration of Reactive Pd Surfaces in Au-Pd Nanoparticles after Electrochemical Aging. ECS Meeting Abstracts, 2020, MA2020-01, 2665-2665.  | 0.0  | 0         |
| 24 | CO <sub>2</sub> Reduction to Formate on Amine Modified Pb Electrodes. ECS Meeting Abstracts, 2020, MA2020-01, 1519-1519.   | 0.0  | 0         |
| 25 | A Computational-Experimental Investigation of the Mechanisms Responsible for the Enhanced CO <sub>2</sub> Electrochemical Reduction of Dendritic Sn <sub>1</sub> Pb <sub>3</sub> Alloy. ECS Meeting Abstracts, 2020, MA2020-01, 2630-2630. | 0.0  | 1         |
| 26 | Synthesis and Characterization of (Co,Ni)O Solid Solutions As Protective Coatings for Inert Anodes in Aluminum Electrolysis. ECS Meeting Abstracts, 2020, MA2020-01, 1252-1252.  | 0.0  | 0         |
| 27 | (Co,Ni)O Coated Anodes for CO <sub>2</sub> -Free Al Production. ECS Meeting Abstracts, 2020, MA2020-01, 2911-2911.   | 0.0  | 0         |
| 28 | TiB <sub>2</sub> -Coated Graphite As Wettable Cathode for Al Production. ECS Meeting Abstracts, 2020, MA2020-01, 1253-1253.  | 0.0  | 0         |
| 29 | Model Operational Matrix for the Betterment of Ruthenium As a Catalyst for the Electrochemical Nitrogen Reduction Reaction to Ammonia in Aqueous Electrolytes. ECS Meeting Abstracts, 2020, MA2020-01, 1809-1809.                          | 0.0  | 0         |
| 30 | Domain Size Dependence of the Oxygen Reduction Reaction on (100)-Oriented Au Thin Films. ECS Meeting Abstracts, 2020, MA2020-01, 2670-2670.  | 0.0  | 0         |
| 31 | Ir Decorated Fractal Ni Catalysts for the Oxygen Evolution Reaction. ECS Meeting Abstracts, 2020, MA2020-01, 1538-1538.  | 0.0  | 0         |
| 32 | Electrodeposited TiB <sub>2</sub> Coating on Graphite As Wettable Cathode for Al Production. ECS Meeting Abstracts, 2020, MA2020-01, 1244-1244.  | 0.0  | 0         |
| 33 | Evaluation of Porous Ni(Zn) Materials As 3D Matrices for Li Metal Electrodes. ECS Meeting Abstracts, 2020, MA2020-01, 2842-2842.   | 0.0  | 0         |
| 34 | Study of Li Metal/C Paper Electrodes for Li/S Batteries By Operando Dilatometry. ECS Meeting Abstracts, 2020, MA2020-02, 3778-3778.  | 0.0  | 0         |
| 35 | Synthesis and Characterization of (Co,Ni)O Solid Solutions As Protective Coatings for Inert Anodes in Aluminum Electrolysis. ECS Meeting Abstracts, 2020, MA2020-02, 3759-3759.  | 0.0  | 0         |
| 36 | Double Approach Towards 3D Electrodeposited RuO <sub>x</sub> Porous Structure for High Energy/High Power Micro-Supercapacitors. ECS Meeting Abstracts, 2020, MA2020-02, 3801-3801.   | 0.0  | 0         |

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|----|--|------|-----------|
| 37 | Metal-Organic-Frameworks-Derived Cu/Cu <sub>2</sub> O Catalyst with Ultrahigh Current Density for Continuous-Flow CO <sub>2</sub> Electroreduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 15739-15746.                 | 6.7  | 39        |
| 38 | Hydrogen Bubble Templating of Fractal Ni Catalysts for Water Oxidation in Alkaline Media. ACS Applied Energy Materials, 2019, 2, 5734-5743.  | 5.1  | 20        |
| 39 | Study of Cu-Ni-Fe Alloys as Inert Anodes for Al Production in Low-Temperature KF-AlF <sub>3</sub> Electrolyte. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 3103-3111. | 2.1  | 14        |
| 40 | 3D Interdigitated Microsupercapacitors with Record Areal Cell Capacitance. Small, 2019, 15, 1901224.   | 10.0 | 27        |
| 41 | Electroreduction of CO <sub>2</sub> to formate on amine modified Pb electrodes. Journal of Materials Chemistry A, 2019, 7, 11272-11281.  | 10.3 | 55        |
| 42 | Synthesis and thermal stability of (Co,Ni)O solid solutions. Journal of the American Ceramic Society, 2019, 102, 5063-5070.  | 3.8  | 8         |
| 43 | Probing the surface sensitivity of dimethyl ether oxidation on epitaxially-grown PtRh(111) alloys: Insights into the challenge of improving on Pt(111). Journal of Catalysis, 2019, 369, 405-414.                                    | 6.2  | 3         |
| 44 | Vertically Aligned Ni Nanowires as a Platform for Kinetically Limited Water-Splitting Electrocatalysis. Journal of Physical Chemistry C, 2019, 123, 1082-1093.   | 3.1  | 5         |
| 45 | Promotion of Glycerol Oxidation by Selective Ru Decoration of (100) Domains at Nanostructured Pt Electrodes. ChemElectroChem, 2019, 6, 1784-1793.  | 3.4  | 6         |
| 46 | Impact of a post-casting homogenization treatment on the high-temperature oxidation resistance of a Cu-Ni-Fe alloy. Corrosion Science, 2019, 147, 321-329.   | 6.6  | 13        |
| 47 | Tuning Pt-Ir Interactions for NH <sub>3</sub> Electrocatalysis. ACS Catalysis, 2018, 8, 2508-2518.   | 11.2 | 46        |
| 48 | Enhanced electrocatalytic nitrate reduction by preferentially-oriented (100) PtRh and PtIr alloys: the hidden treasures of the "miscibility gap". Applied Catalysis B: Environmental, 2018, 221, 86-96.                              | 20.2 | 44        |
| 49 | Aqueous-phase electrochemical reduction of CO <sub>2</sub> based on SnO <sub>2</sub> CuO nanocomposites with improved catalytic activity and selectivity. Catalysis Today, 2018, 318, 2-9.   | 4.4  | 14        |
| 50 | Hydrazine Electro-Oxidation at Epitaxial Ir Pt <sub>100</sub> Alloys. , 2018, , 1-8.   |      | 0         |
| 51 | NH <sub>3</sub> Oxidation on Well-Defined Surfaces and Proxies of the Same. , 2018, , 752-760.   |      | 0         |
| 52 | Perovskite-Type Catalysts Prepared by Nanocasting: Effect of Metal Silicates on the Electrocatalytic Activity toward Oxygen Evolution and Reduction Reactions. ACS Applied Energy Materials, 2018, 1, 2565-2575.                     | 5.1  | 7         |
| 53 | Selective electroreduction of CO <sub>2</sub> to formate on Bi and oxide-derived Bi films. Journal of CO <sub>2</sub> Utilization, 2017, 19, 276-283.  | 6.8  | 78        |
| 54 | Pt Thin Films with Nanometer-Sized Terraces of (100) Orientation. Journal of Physical Chemistry C, 2017, 121, 12188-12198.   | 3.1  | 8         |

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|----|---|------|-----------|
| 55 | Nanostructured Pt Surfaces with Ir Submonolayers for Enhanced NH <sub>3</sub> Electrooxidation. ChemElectroChem, 2017, 4, 1327-1333.  | 3.4  | 14        |
| 56 | Hydrogen solubility of bcc PdCu and PdCuAg alloys prepared by mechanical alloying. Journal of Alloys and Compounds, 2017, 698, 725-730.   | 5.5  | 14        |
| 57 | Pt nanostructures with different Rh surface entities: Impact on NH <sub>3</sub> electro-oxidation. Journal of Catalysis, 2017, 354, 270-277.  | 6.2  | 12        |
| 58 | Selective electroreduction of CO <sub>2</sub> to formate on 3D [100] Pb dendrites with nanometer-sized needle-like tips. Journal of Materials Chemistry A, 2017, 5, 20747-20756.  | 10.3 | 56        |
| 59 | The Art of Decoration: Rhodium-Modified Platinum Films with Preferential (100) Orientation as Electrocatalysts for Nitrate Reduction and Dimethyl Ether Oxidation. Journal of Physical Chemistry C, 2017, 121, 15233-15247. | 3.1  | 10        |
| 60 | Atypical Properties of FIB-Patterned RuO <sub>2</sub> Nanosupercapacitors. ACS Energy Letters, 2017, 2, 1734-1739.  | 17.4 | 25        |
| 61 | CO <sub>2</sub> electroreduction at AuCu <sub>1-x</sub> obtained by pulsed laser deposition in O <sub>2</sub> atmosphere. Electrochimica Acta, 2017, 246, 115-122.  | 5.2  | 18        |
| 62 | Trends in Catalysis and Catalyst Cost Effectiveness for N <sub>2</sub> H <sub>4</sub> Fuel Cells and Sensors: a Rotating Disk Electrode (RDE) Study. Journal of Physical Chemistry C, 2016, 120, 4717-4738.                 | 3.1  | 51        |
| 63 | Gold-Manganese Oxide Core-Shell Nanoparticles Produced by Pulsed Laser Ablation in Water. Journal of Physical Chemistry C, 2016, 120, 22635-22645.  | 3.1  | 13        |
| 64 | Interdigitated microelectrodes for oxygen removal in N <sub>2</sub> H <sub>4</sub> sensors. Electrochemistry Communications, 2016, 71, 56-60.   | 4.7  | 7         |
| 65 | Hydrogen Solubility of Magnetron Co-Sputtered FCC and BCC PdCuAu Thin Films. Journal of Physical Chemistry C, 2016, 120, 5297-5307.   | 3.1  | 7         |
| 66 | Identification of Cu surface active sites for a complete nitrate-to-nitrite conversion with nanostructured catalysts. Applied Catalysis B: Environmental, 2016, 187, 399-407.   | 20.2 | 48        |
| 67 | Hydrogen permeability of PdCuAu membranes prepared from mechanically-alloyed powders. Journal of Membrane Science, 2016, 509, 68-82.  | 8.2  | 13        |
| 68 | Mechanically alloyed Cu-Ni-Fe-Y material as inert anode for Al production. Minerals, Metals and Materials Series, 2016, , 1277-1281.  | 0.4  | 1         |
| 69 | Cold Spray deposition of mechanically alloyed Cu-Ni-Fe material for application as inert anodes for aluminum production. Minerals, Metals and Materials Series, 2016, , 1283-1287.  | 0.4  | 0         |
| 70 | 3D RuO <sub>2</sub> Microsupercapacitors with Remarkable Areal Energy. Advanced Materials, 2015, 27, 6625-6629.   | 21.0 | 206       |
| 71 | Electrooxidation of Ammonia at Tuned (100)Pt Surfaces by using Epitaxial Thin Films. ChemElectroChem, 2015, 2, 1187-1198.   | 3.4  | 17        |
| 72 | Formic acid oxidation on antimony-covered platinum films with a preferential (100) orientation. Journal of Power Sources, 2015, 299, 315-323.   | 7.8  | 4         |

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|----|--|------|-----------|
| 73 | Preferentially (100) oriented Pt thin film with less than a monolayer of Bi, Pd and Sb adatoms: application for formic acid oxidation. <i>Electrochimica Acta</i> , 2015, 162, 237-244.  | 5.2  | 7         |
| 74 | Dopamine and ascorbic acid electro-oxidation on Au, AuPt and Pt nanoparticles prepared by pulse laser ablation in water. <i>Electrochimica Acta</i> , 2015, 159, 174-183.  | 5.2  | 56        |
| 75 | Mechanistic Similarity in Catalytic N <sub>2</sub> Production from NH <sub>3</sub> and NO <sub>2</sub> at Pt(100) Thin Films: Toward a Universal Catalytic Pathway for Simple N-Containing Species, and Its Application to <i>in Situ</i> Removal of NH <sub>3</sub> Poisons. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9860-9878. | 3.1  | 40        |
| 76 | On the key role of Cu on the oxidation behavior of Cu-Ni-Fe based anodes for Al electrolysis. <i>Corrosion Science</i> , 2015, 101, 105-113.   | 6.6  | 32        |
| 77 | Pulsed Laser Deposition of PdCuAu Alloy Membranes for Hydrogen Absorption Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26451-26458.  | 3.1  | 11        |
| 78 | Cold sprayed Cu-Ni-Fe anode for Al production. <i>Corrosion Science</i> , 2015, 90, 259-265.   | 6.6  | 26        |
| 79 | Influence of Partial Substitution of Cu by Various Elements in Cu-Ni-Fe Alloys on Their High-Temperature Oxidation Behavior. , 2015, , 1187-1191.  |      | 1         |
| 80 | Outer and Inner Surface Contribution of Manganese Dioxides Energy Storage Characterization by Cavity Microelectrode Technique. <i>ECS Transactions</i> , 2014, 58, 53-59.  | 0.5  | 4         |
| 81 | Transmission line model of mixed ionic and electronic conductor: the case of hydrous ruthenium oxide. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2913-2920.  | 2.5  | 0         |
| 82 | Formic acid oxidation on Bi covered Pt electrodeposited thin films: influence of the underlying structure. <i>Electrochimica Acta</i> , 2014, 134, 486-495.  | 5.2  | 11        |
| 83 | High-resolution on-chip supercapacitors with ultra-high scan rate ability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7170-7174.   | 10.3 | 104       |
| 84 | Highly active PtAu alloy nanoparticle catalysts for the reduction of 4-nitrophenol. <i>Nanoscale</i> , 2014, 6, 2125-2130.   | 5.6  | 211       |
| 85 | Hydrous RuO <sub>2</sub> /carbon nanowalls hierarchical structures for all-solid-state ultrahigh-energy-density micro-supercapacitors. <i>Nano Energy</i> , 2014, 10, 288-294.   | 16.0 | 176       |
| 86 | Kinetically stable Pt x Ir 100-x alloy thin films prepared by pulsed laser deposition: Oxidation of NH <sub>3</sub> and poisoning resistance. <i>Electrochimica Acta</i> , 2014, 142, 289-298.   | 5.2  | 16        |
| 87 | Hydrogen solubility in PdCuAg ternary alloy films prepared by electrodeposition. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15810-15818.  | 7.1  | 9         |
| 88 | Hydrogen solubility in PdCuAu alloy thin films prepared by electrodeposition. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3487-3497.   | 7.1  | 12        |
| 89 | Formic acid electro-oxidation at PtAu alloyed nanoparticles synthesized by pulsed laser ablation in liquids. <i>Journal of Power Sources</i> , 2014, 248, 273-282.   | 7.8  | 66        |
| 90 | Structure and valence properties of ceria films synthesized by laser ablation under reducing atmosphere. <i>Materials Research Express</i> , 2014, 1, 015704.  | 1.6  | 22        |

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|-----|---|-----|-----------|
| 91  | Evaluation of a Pre-Oxidation Treatment for Limiting Electrolyte Penetration in Cu-Ni-Fe Anode during Al Electrolysis. , 2014, , 1305-1307.   |     | 1         |
| 92  | Evaluation of a Pre-Oxidation Treatment for Limiting Electrolyte Penetration in Cu-Ni-Fe Anode during Al Electrolysis. , 2014, , 1305-1307.   |     | 0         |
| 93  | Hydrazine Oxidation at Porous and Preferentially Oriented {100} Pt Thin Films. <i>Electrocatalysis</i> , 2013, 4, 76-84.  | 3.0 | 30        |
| 94  | Consolidation of mechanically alloyed Cu-Ni-Fe material by spark plasma sintering and evaluation as inert anode for aluminum electrolysis. <i>Journal of Alloys and Compounds</i> , 2013, 580, 256-261.   | 5.5 | 20        |
| 95  | Electrodeposited platinum thin films with preferential (100) orientation: Characterization and electrocatalytic properties for ammonia and formic acid oxidation. <i>Journal of Power Sources</i> , 2013, 225, 323-329.                         | 7.8 | 52        |
| 96  | Measurements of hydrogen solubility in Cu <sub>x</sub> Pd <sub>100-x</sub> thin films. <i>Electrochimica Acta</i> , 2013, 90, 615-622.  | 5.2 | 31        |
| 97  | Influence of the configuration in planar interdigitated electrochemical micro-capacitors. <i>Journal of Power Sources</i> , 2013, 230, 230-235.   | 7.8 | 88        |
| 98  | Measurement of Hydrogen Solubility in Pd <sub>x</sub> Cu <sub>100-x</sub> Thin Films Prepared by Pulsed Laser Deposition: An Electrochemical in Situ X-Ray Diffraction Analysis. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2688-2698. | 3.1 | 12        |
| 99  | Anodic behavior of mechanically alloyed Cu-Ni-Fe and Cu-Ni-Fe-O electrodes for aluminum electrolysis in low-temperature KF-AlF <sub>3</sub> electrolyte. <i>Electrochimica Acta</i> , 2013, 112, 176-182.                                       | 5.2 | 32        |
| 100 | Ultra high capacitance values of Pt@RuO <sub>2</sub> core-shell nanotubular electrodes for microsupercapacitor applications. <i>Journal of Power Sources</i> , 2013, 221, 228-231.  | 7.8 | 36        |
| 101 | Ruthenium Oxide Electrodeposition on Titanium Interdigitated Microarrays for Energy Storage. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1494, 265-270.  | 0.1 | 0         |
| 102 | Bismuth decoration of electrodeposited platinum thin films with a preferential (100) orientation. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1491, 34.  | 0.1 | 0         |
| 103 | Simultaneous Determination of the Permeability of a Nafion Membrane to Formic Acid and Water. <i>Fuel Cells</i> , 2013, 13, 1024-1031.  | 2.4 | 3         |
| 104 | Ball-Milled (Cu-Ni-Fe + Fe <sub>2</sub> O <sub>3</sub> ) Composite as Inert Anode for Aluminum Electrolysis. <i>Journal of the Electrochemical Society</i> , 2013, 160, E55-E59.  | 2.9 | 12        |
| 105 | 3D-Percolating Model of Hydrous Ruthenium Oxide Dispersed in an Inert Polymer Matrix: An Impedance Spectroscopy Study. <i>Journal of the Electrochemical Society</i> , 2012, 159, F507-F513.  | 2.9 | 1         |
| 106 | Mechanically Alloyed Cu-Ni-Fe-O Based Materials as Oxygen-Evolving Anodes for Aluminum Electrolysis. <i>Journal of the Electrochemical Society</i> , 2012, 159, E62-E68.  | 2.9 | 31        |
| 107 | Investigation of cavity microelectrode technique for electrochemical study with manganese dioxides. <i>Electrochimica Acta</i> , 2012, 86, 268-276.   | 5.2 | 40        |
| 108 | Structure and morphology of Pt <sub>3</sub> Sc alloy thin film prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2012, 524, 127-132.   | 1.8 | 7         |

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|-----|--|------|-----------|
| 109 | Metastable AuRh <sub>100</sub> Thin Films Prepared by Pulsed Laser Deposition for the Electrooxidation of Methanol. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5262-5269.   | 3.1  | 18        |
| 110 | Effect of the nature of (100) surface sites on the electroactivity of macroscopic Pt electrodes for the electrooxidation of ammonia. <i>Electrochemistry Communications</i> , 2012, 22, 197-199.   | 4.7  | 43        |
| 111 | Highly Porous and Preferentially Oriented {100} Platinum Nanowires and Thin Films. <i>Advanced Functional Materials</i> , 2012, 22, 4172-4181.   | 14.9 | 51        |
| 112 | Preparation of PtAu Alloy Colloids by Laser Ablation in Solution and Their Characterization. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13413-13420.  | 3.1  | 91        |
| 113 | Effect of Al addition on the microstructure and low-temperature reactivity to oxygen of pre-formed MoSi <sub>2</sub> . <i>Journal of Materials Science</i> , 2012, 47, 6792-6800.  | 3.7  | 7         |
| 114 | Synthesis and characterization of PtCo nanowires for the electro-oxidation of methanol. <i>Journal of Power Sources</i> , 2012, 206, 20-28.  | 7.8  | 35        |
| 115 | Ball-Milled Cu-Ni-Fe-O Materials as Inert Anodes for Aluminum Electrolysis in Low-Temperature KF-AlF <sub>3</sub> Electrolyte. , 2012, , 1377-1380.  |      | 0         |
| 116 | Effect of Ball-Milling on the Physical and Electrochemical Properties of PbO <sub>2</sub> and PbO <sub>2</sub> /BaSO <sub>4</sub> Nanocomposite. <i>Journal of the Electrochemical Society</i> , 2011, 159, A60-A67.   | 2.9  | 4         |
| 117 | Influence of the iron content in Cu-Ni based inert anodes on their corrosion resistance for aluminium electrolysis. <i>Corrosion Science</i> , 2011, 53, 3248-3253.  | 6.6  | 35        |
| 118 | PtCo 1D Nanostructures for Electrocatalytic Oxidation of Methanol. <i>ECS Meeting Abstracts</i> , 2011, , .  | 0.0  | 0         |
| 119 | Carbon/PbO <sub>2</sub> asymmetric electrochemical capacitor based on methanesulfonic acid electrolyte. <i>Electrochimica Acta</i> , 2011, 56, 8122-8128.  | 5.2  | 73        |
| 120 | Synthesis of Cu-Pd alloy thin films by co-electrodeposition. <i>Electrochimica Acta</i> , 2011, 56, 7397-7403.   | 5.2  | 28        |
| 121 | Comparative study on the structure and electrochemical hydriding properties of MgTi, Mg <sub>0.5</sub> Ni <sub>0.5</sub> Ti and MgTi <sub>0.5</sub> Ni <sub>0.5</sub> alloys prepared by high energy ball milling. <i>Journal of Power Sources</i> , 2011, 196, 1561-1568. | 7.8  | 23        |
| 122 | Hydrazine oxidation at preferentially oriented Pt (100) nanowires array electrodes. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1311, 10601.  | 0.1  | 1         |
| 123 | Synthesis and Characterization of Well Aligned Ru Nanowires and Nanotubes. <i>ECS Transactions</i> , 2010, 25, 3-11.   | 0.5  | 20        |
| 124 | Determination of the real surface area of powdered materials in cavity microelectrodes by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2010, 55, 6283-6291.  | 5.2  | 46        |
| 125 | Synthesis of fcc Mg-Ti-H alloys by high energy ball milling: Structure and electrochemical hydrogen storage properties. <i>Journal of Power Sources</i> , 2010, 195, 4370-4374.  | 7.8  | 29        |
| 126 | Influence of the velocity of Pt ablated species on the structural and electrocatalytic properties of Pt thin films. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8486-8493.   | 7.1  | 9         |

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|-----|---|-----|-----------|
| 127 | Influence of Pd on the structure and electrochemical hydrogen storage properties of Mg <sub>50</sub> Ti <sub>50</sub> alloy prepared by ball milling. <i>Electrochimica Acta</i> , 2010, 55, 611-619.                           | 5.2 | 26        |
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