

Silvia Licoccia

List of Publications by Year in descending order

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2,367
citations

201385

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docs citations

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times ranked

2790
citing authors

#	ARTICLE	IF	CITATIONS
1	Looking for Minor Phenolic Compounds in Extra Virgin Olive Oils Using Neutron and Raman Spectroscopies. <i>Antioxidants</i> , 2021, 10, 643.	2.2	5
2	Redox-active coordination polymers as bifunctional electrolytes in slurry-based aqueous batteries at neutral pH. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115442.	1.9	4
3	Novel Composite Fuel Electrode for CO ₂ /CO-RSOCs. <i>Journal of the Electrochemical Society</i> , 2021, 168, 104507.	1.3	7
4	Pd-doped perovskite-based SOFC anodes for biogas. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 93-100.	1.2	11
5	Electrochemical performance and stability of LSMn+NiSDC anode in dry methane. <i>Electrochimica Acta</i> , 2020, 362, 137116.	2.6	16
6	Nickel-Based Structured Catalysts for Indirect Internal Reforming of Methane. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3083.	1.3	5
7	The role of manganese substitution on the redox behavior of La _{0.6} Sr _{0.4} Fe _{0.8} Mn _{0.2} O _{3-δ} . <i>Journal of the European Ceramic Society</i> , 2020, 40, 4076-4083.	2.8	20
8	Lithium ion storage in 1D and 2D redox active metal-organic frameworks. <i>Electrochimica Acta</i> , 2020, 341, 136063.	2.6	6
9	Effect of Active Site Poisoning on Iron-Nitrogen-Carbon Platinum-Group Metal-Free Oxygen Reduction Reaction Catalysts Operating in Neutral Media: A Rotating Disk Electrode Study. <i>ChemElectroChem</i> , 2020, 7, 3044-3055.	1.7	19
10	Composition-Nanostructure Steered Performance Predictions in Steel Wires. <i>Nanomaterials</i> , 2019, 9, 1119.	1.9	15
11	Investigating the factors that influence resistance rise of PIM-1 membranes in nonaqueous electrolytes. <i>Electrochemistry Communications</i> , 2019, 107, 106530.	2.3	11
12	A redox stable Pd-doped perovskite for SOFC applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5344-5352.	5.2	33
13	Pd-doped lanthanum ferrites for symmetric solid oxide fuel cells (SSOFCs). <i>Materialia</i> , 2019, 8, 100460.	1.3	8
14	Bioarchaeological approach to the study of the medieval population of Santa Severa (Rome, 7th-15th century). <i>Journal of Archaeological Science</i> , 2019, 102, 102000.	0.2	4
15	MnO _x -based electrocatalysts for enhanced oxygen reduction in microbial fuel cell air cathodes. <i>Journal of Power Sources</i> , 2018, 390, 45-53.	4.0	64
16	Oxygen Reduction Reaction Electrocatalysts Derived from Iron Salt and Benzimidazole and Aminobenzimidazole Precursors and Their Application in Microbial Fuel Cell Cathodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 5755-5765.	2.5	29
17	Lanthanum chromite based composite anodes for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14742-14750.	3.8	33
18	Highly ion selective hydrocarbon-based membranes containing sulfonated hypercrosslinked polystyrene nanoparticles for vanadium redox flow batteries. <i>Journal of Membrane Science</i> , 2018, 563, 552-560.	4.1	26

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19	Graphene oxide nanoplateforms to enhance catalytic performance of iron phthalocyanine for oxygen reduction reaction in bioelectrochemical systems. <i>Journal of Power Sources</i> , 2017, 356, 381-388.	4.0	75
20	Design of Iron(II) Phthalocyanine-Derived Oxygen Reduction Electrocatalysts for High-Power-Density Microbial Fuel Cells. <i>ChemSusChem</i> , 2017, 10, 3243-3251.	3.6	67
21	Ni supported on γ -Al ₂ O ₃ promoted by Ru for the dry reforming of methane in packed and monolithic reactors. <i>Fuel Processing Technology</i> , 2017, 158, 130-140.	3.7	77
22	Compositional studies of functional orthodontic archwires using prompt-gamma activation analysis at a pulsed neutron source. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1420-1427.	1.6	14
23	Poly(phenylene sulfide sulfone) based membranes with improved stability for vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18845-18853.	5.2	23
24	Orthodontic archwire composition and phase analyses by neutron spectroscopy. <i>Dental Materials Journal</i> , 2017, 36, 282-288.	0.8	15
25	Iron-nitrogen-functionalized carbon as efficient oxygen reduction reaction electrocatalyst in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19637-19644.	3.8	47
26	Enhancement of proton mobility and mitigation of methanol crossover in sPEEK fuel cells by an organically modified titania nanofiller. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1585-1598.	1.2	30
27	Ni and Ni-Co La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O ₃ infiltrated cells in H ₂ and CH ₄ /CO ₂ mixture. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 1-7.	10.8	15
28	Iron/Polyindole-based Electrocatalysts to Enhance Oxygen Reduction in Microbial Fuel Cells. <i>Electrochimica Acta</i> , 2016, 190, 388-395.	2.6	101
29	Tuning Structural Changes in Glucose Oxidase for Enzyme Fuel Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28311-28318.	4.0	11
30	Organically functionalized titanium oxide/Nafion composite proton exchange membranes for fuel cells applications. <i>Journal of Power Sources</i> , 2014, 248, 1127-1132.	4.0	65
31	Effect of filler surface functionalization on the performance of Nafion/Titanium oxide composite membranes. <i>Electrochimica Acta</i> , 2014, 147, 418-425.	2.6	39
32	La _{0.8} Sr _{0.2} Fe _{0.8} Cu _{0.2} O ₃ as a cobalt-free cathode for La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O ₃ electrolyte. <i>Journal of Power Sources</i> , 2014, 271, 187-194.	4.0	52
33	Iron chelates as low-cost and effective electrocatalyst for oxygen reduction reaction in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 6462-6469.	3.8	61
34	Composite Polymer Electrolytes for Fuel Cell Applications: Filler-Induced Effect on Water Sorption and Transport Properties. <i>ChemPhysChem</i> , 2013, 14, 3814-3821.	1.0	4
35	Development of glucose oxidase-based bioanodes for enzyme fuel cell applications. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 181-190.	1.5	10
36	Layered tetratitanate intercalating sulfanilic acid for organic/inorganic proton conductors. <i>Solid State Ionics</i> , 2012, 227, 73-79.	1.3	6

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37	On the proton conductivity of Nafion®/Faujasite composite membranes for low temperature direct methanol fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 9176-9187.	4.0	54
38	Layered Titanates Intercalating Organic Guest Spacers for Organic/Inorganic Proton Conductors. <i>ECS Transactions</i> , 2011, 41, 2091-2096.	0.3	1
39	Development of Nafion/Tin Oxide Composite MEA for DMFC Applications. <i>Fuel Cells</i> , 2010, 10, 790-797.	1.5	33
40	Proton-conducting electrolytes based on silylated and sulfonated polyetheretherketone: Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2178-2186.	2.5	9
41	Titania Nanosheets (TNS)/Sulfonated Poly Ether Ether Ketone (SPEEK) Nanocomposite Proton Exchange Membranes for Fuel Cells. <i>Chemistry of Materials</i> , 2010, 22, 1126-1133.	3.2	75
42	Composite Nafion/Sulfated Zirconia Membranes: Effect of the Filler Surface Properties on Proton Transport Characteristics. <i>Chemistry of Materials</i> , 2010, 22, 813-821.	3.2	103
43	Proton Conducting Hybrid Membranes Based on Aromatic Polymers Blends for Direct Methanol Fuel Cell Applications. <i>Fuel Cells</i> , 2009, 9, 387-393.	1.5	17
44	Effect of a Proton Conducting Filler on the Physico-Chemical Properties of SPEEK-Based Membranes. <i>Fuel Cells</i> , 2009, 9, 372-380.	1.5	22
45	Sulfonated polyether ether ketone and hydrated tin oxide proton conducting composites for direct methanol fuel cell applications. <i>Journal of Power Sources</i> , 2008, 178, 554-560.	4.0	67
46	Composite Proton-Conducting Hybrid Polymers: Water Sorption Isotherms and Mechanical Properties of Blends of Sulfonated PEEK and Substituted PPSU. <i>Chemistry of Materials</i> , 2008, 20, 4327-4334.	3.2	72
47	Engineering materials and biology to boost performance of microbial fuel cells: a critical review. <i>Energy and Environmental Science</i> , 2008, 1, 417.	15.6	316
48	Composite Ormosil/Nafion Membranes as Electrolytes for Direct Methanol Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2007, 154, B1148.	1.3	19
49	Effect of an ormosil-based filler on the physico-chemical and electrochemical properties of Nafion membranes. <i>Journal of Power Sources</i> , 2007, 169, 247-252.	4.0	10
50	A Simple New Route to Covalent Organic/Inorganic Hybrid Proton Exchange Polymeric Membranes. <i>Chemistry of Materials</i> , 2006, 18, 69-75.	3.2	87
51	Ormosil/Sulfonated Polyetheretherketone-Based Hybrid Composite Proton Conducting Membranes. <i>Journal of the Electrochemical Society</i> , 2006, 153, A1226.	1.3	23
52	Nanocomposite polymeric electrolytes to record electrophysiological brain signals in prolonged, unconventional or extreme conditions. <i>Acta Biomaterialia</i> , 2006, 2, 531-536.	4.1	0
53	Increasing the operation temperature of polymer electrolyte membranes for fuel cells: From nanocomposites to hybrids. <i>Journal of Power Sources</i> , 2006, 159, 12-20.	4.0	55
54	SPEEK/PPSU-based organic-inorganic membranes: proton conducting electrolytes in anhydrous and wet environments. <i>Journal of Membrane Science</i> , 2006, 279, 186-191.	4.1	56

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55	Sulfonated Polyether Ether Ketone-Based Composite Membranes Doped with a Tungsten-Based Inorganic Proton Conductor for Fuel Cell Applications. <i>Journal of the Electrochemical Society</i> , 2006, 153, A463.	1.3	44
56	Vanadium and tantalum-doped titanium oxide (TiTaV): a novel material for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 89-96.	4.0	24
57	A covalent organic/inorganic hybrid proton exchange polymeric membrane: synthesis and characterization. <i>Polymer</i> , 2005, 46, 1754-1758.	1.8	70
58	Thick-film gas sensors based on vanadium-titanium oxide powders prepared by sol-gel synthesis. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1409-1413.	2.8	24
59	Nonhydrolytic Synthesis of NASICON of Composition Na ₃ Zr ₂ Si ₂ PO ₁₂ : A Spectroscopic Study. <i>Chemistry of Materials</i> , 2001, 13, 141-144.	3.2	22
60	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2001, 22, 167-179.	1.1	113
61	Synthesis and Characterization of Novel Ionoconductor Gels for Biomedical Applications in Space. <i>Journal of the Electrochemical Society</i> , 2001, 148, J63.	1.3	6
62	¹⁹⁹ Hg NMR: a tool for direct detection of the products from acetoxymercuration of alkynes. <i>Applied Organometallic Chemistry</i> , 2000, 14, 565-569.	1.7	3
63	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 577-580.	1.1	3
64	Non-Hydrolytic Routes for the Synthesis of NASICON. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 463-467.	1.1	8
65	Acetoxymercuration of alkynes. ¹⁹⁹ Hg NMR spectra of addition products from arylphenylethyne. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, 797-800.	1.1	3
66	Towards Neutron Scattering Identification of Olive Oil's Antioxidant Properties. <i>Neutron News</i> , 0, , 1-2.	0.1	0