Vito Di Noto

List of Publications by Year
in descending order

250 papers	7,825 citations	47409 49 h-index	97045 71 g-index
264 all docs	264 docs citations	264 times ranked	8121 citing authors

#	Article	IF	Citations
1	A formalism to compare electrocatalysts for the oxygen reduction reaction by cyclic voltammetry with the thin-film rotating ring-disk electrode measurements. Current Opinion in Electrochemistry, 2022, 31, 100839.	2.5	11
2	Inorganicâ€Organic Hybrid Anion Conducting Membranes Based on Ammoniumâ€Functionalized Polyethylene Pyrroleâ€Polyethylene Ketone Copolymer. Macromolecular Chemistry and Physics, 2022, 223, 2100409.	1.1	4
3	A general electrochemical formalism for vanadium redox flow batteries. Electrochimica Acta, 2022, 408, 139937.	2.6	19
4	Interplay between coordination, dynamics, and conductivity mechanism in Mg/Al-catenated ionic liquid electrolytes. Journal of Power Sources, 2022, 524, 231084.	4.0	6
5	What is Next in Anionâ€Exchange Membrane Water Electrolyzers? Bottlenecks, Benefits, and Future. ChemSusChem, 2022, 15, .	3.6	77
6	Foreword to the memorial issue for Professor Roberto Marassi. Journal of Solid State Electrochemistry, 2022, 26, 1-2.	1.2	2
7	Effect of Relaxations on the Conductivity of La_{1/2+1/2x}Li_{1/2â€“1/2x}Ti_{1â€“x}Al_xO₃ Fast Ion Conductors. Chemistry of Materials, 2022, 34, 5484-5499.	8.6	36
8	Hidden in plain sight: unlocking the full potential of cyclic voltammetry with the thin-film rotating (ring) disk electrode studies for the investigation of oxygen reduction reaction electrocatalysts. Current Opinion in Electrochemistry, 2021, 25, 100626.	2.5	10
9	Effect of plasticizer on the ion-conductive and dielectric behavior of poly(ethylene carbonate)-based Li electrolytes. Polymer Journal, 2021, 53, 149-155.	1.3	29
10	Hybrid twin-metal aluminumâ€“magnesium electrolytes for rechargeable batteries. Journal of Power Sources, 2021, 493, 229681.	4.0	11
11	An efficient barrier toward vanadium crossover in redox flow batteries: The bilayer [Nafion/(WO3)x] hybrid inorganic-organic membrane. Electrochimica Acta, 2021, 378, 138133.	2.6	93
12	(Invited) How to Expand the Scope of Cyclic Voltammetry with the Thin-Film Rotating (Ring) Disk Electrode to Investigate Oxygen Reduction Reaction Electrocatalysts. ECS Meeting Abstracts, 2021, MA2021-01, 1900-1900.	0.0	0
13	Positron Annihilation Spectroscopy as a Diagnostic Tool for the Study of LiCoO2 Cathode of Lithium-Ion Batteries. Condensed Matter, 2021, 6, 28.	0.8	5
14	Interplay between Conductivity, Matrix Relaxations and Composition of Caâ€Polyoxyethylene Polymer Electrolytes. ChemElectroChem, 2021, 8, 2459-2466.	1.7	5
15	Enhancement of Activity and Development of Low Pt Content Electrocatalysts for Oxygen Reduction Reaction in Acid Media. Molecules, 2021, 26, 5147.	1.7	11
16	Fast Response of kW-Class Vanadium Redox Flow Batteries. IEEE Transactions on Sustainable Energy, 2021, 12, 2413-2422.	5.9	16
17	From Hydrogen Manifesto, through Green Deal and Just Transition, to Clean Energy Act. Electrochemical Society Interface, 2021, 30, 57-60.	0.3	7
18	Transport and Morphology of a Proton Exchange Membrane Based on a Doubly Functionalized Perfluorosulfonic Imide Side Chain Perflourinated Polymer. Chemistry of Materials, 2020, 32, 38-59.	3.2	33

#	Article	IF	Citations
19	Electric Response and Conductivity Mechanism of Blended Polyvinylidene Fluoride/Nafion Electrospun Nanofibers. Journal of the American Chemical Society, 2020, 142, 801-814.	6.6	19
20	Correlation between Precursor Properties and Performance in the Oxygen Reduction Reaction of Pt and Co â€œCore-shellâ€•Carbon Nitride-Based Electrocatalysts. Electrocatalysis, 2020, 11, 143-159.	1.5	13
21	High valence transition metal-doped olivine cathodes for superior energy and fast cycling lithium batteries. Journal of Materials Chemistry A, 2020, 8, 25727-25738.	5.2	12
22	Magnesium batteries: Current picture and missing pieces of the puzzle. Journal of Power Sources, 2020, 478, 229027.	4.0	70
23	Heteropolytungstate-assisted fabrication and deposition of catalytic silver nanoparticles on different reduced graphene oxide supports: Electroreduction of oxygen in alkaline electrolyte. Journal of Electroanalytical Chemistry, 2020, 875, 114694.	1.9	8
24	Chrysalis-Like Graphene Oxide Decorated Vanadium-Based Nanoparticles: An Extremely High-Power Cathode for Magnesium Secondary Batteries. Journal of the Electrochemical Society, 2020, 167, 070547.	1.3	11
25	Opening the door to liquid-free polymer electrolytes for calcium batteries. Electrochimica Acta, 2020, 353, 136525.	2.6	17
26	Prussian-blue-modified reduced-graphene-oxide as active support for Pt nanoparticles during oxygen electroreduction in acid medium. Journal of Electroanalytical Chemistry, 2020, 875, 114347.	1.9	6
27	Low-Noble-Metal-Loading Hybrid Catalytic System for Oxygen Reduction Utilizing Reduced-Graphene-Oxide-Supported Platinum Aligned with Carbon-Nanotube-Supported Iridium. Catalysts, 2020, 10, 689.	1.6	9
28	Prefaceâ€”JES Focus Issue on Challenges in Novel Electrolytes, Organic Materials, and Innovative Chemistries for Batteries in Honor of Michel Armand. Journal of the Electrochemical Society, 2020, 167, 070001.	1.3	0
29	Prefaceâ€”JES Focus Issue on Heterogeneous Functional Materials for Energy Conversion and Storage. Journal of the Electrochemical Society, 2020, 167, 050001.	1.3	0
30	Relaxation phenomena and conductivity mechanisms in anion-exchange membranes derived from polyketone. Electrochimica Acta, 2019, 319, 253-263.	2.6	10
31	Elucidation of the interplay between vanadium species and charge-discharge processes in VRFBs by Raman spectroscopy. Electrochimica Acta, 2019, 318, 913-921.	2.6	28
32	Structural analyses of blended Nafion/PVDF electrospun nanofibers. Physical Chemistry Chemical Physics, 2019, 21, 10357-10369.	1.3	14
33	Lithiated Nanoparticles Doped with Ionic Liquids as Quasi-Solid Electrolytes for Lithium Batteries. Electrochimica Acta, 2019, 307, 51-63.	2.6	13
34	Hybrid inorganic-organic proton-conducting membranes based on SPEEK doped with WO3 nanoparticles for application in vanadium redox flow batteries. Electrochimica Acta, 2019, 309, 311-325.	2.6	164
35	Enabling High Lithium Conductivity in Polymerized Ionic Liquid Block Copolymer Electrolytes. Batteries and Supercaps, 2019, 2, 132-138.	2.4	28
36	Electrocatalytic Oxygen Reduction in Alkaline Medium atÂGraphene-Supported Silver-Iron Carbon Nitride SitesÂGenerated DuringÂThermal Decomposition of Silver Hexacyanoferrate. Electrocatalysis, 2019, 10, 112-124.	1.5	19

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37	[Nafion/(WO3)x] hybrid membranes for vanadium redox flow batteries. Solid State Ionics, 2018, 319, 110-116.	1.3	68
38	Interplay between humidity, temperature and electrical response of a conductivity sensor based on a La₂LiNbO₆ double perovskite. Journal of Materials Chemistry A, 2018, 6, 5430-5442.	5.2	7
39	Interplay between physicochemical and mechanical properties of poly(ethylene terephthalate) meshes for hernia repair. Journal of Applied Polymer Science, 2018, 135, 46014.	1.3	3
40	Interplay Between Hydroxyl Density and Relaxations in Poly(vinylbenzyltrimethylammonium)-b-poly(methylbutylene) Membranes for Electrochemical Applications. Journal of the American Chemical Society, 2018, 140, 1372-1384.	6.6	21
41	Electric response and conductivity mechanism reciprocity in H3PO4-doped Polybenzimidazole-4N-ZrO2 nanocomposite membranes. Solid State Ionics, 2018, 320, 172-176.	1.3	14
42	Toward Pt-Free Anion-Exchange Membrane Fuel Cells: Feâ€“Sn Carbon Nitrideâ€“Graphene Coreâ€“Shell Electrocatalysts for the Oxygen Reduction Reaction. Chemistry of Materials, 2018, 30, 2651-2659.	3.2	44
43	Correlation between Properties and Conductivity Mechanism in Poly(vinyl alcohol)-based Lithium Solid Electrolytes. Solid State Ionics, 2018, 320, 177-185.	1.3	40
44	A New Glass-Forming Electrolyte Based on Lithium Glycerolate. Batteries, 2018, 4, 41.	2.1	8
45	Graphene-Based Nanostructures in Electrocatalytic Oxygen Reduction. , 2018, , 651-659.		4
46	Activation of Reduced-Graphene-Oxide Supported Pt Nanoparticles by Aligning with WO₃-Nanowires toward Oxygen Reduction in Acid Medium: Diagnosis with Rotating-Ring-Disk Voltammetry and Double-Potential-Step Chronocoulometry. Journal of the Electrochemical Society, 2018, 165, J3384-J3391.	1.3	13
47	Opening Doors to Future Electrochemical Energy Devices: The Anionâ€Conducting Polyketone Polyelectrolytes. Advanced Functional Materials, 2018, 28, 1706522.	7.8	19
48	Hierarchical oxygen reduction reaction electrocatalysts based on FeSn0.5 species embedded in carbon nitride-graphene based supports. Electrochimica Acta, 2018, 280, 149-162.	2.6	22
49	Elucidation of role of graphene in catalytic designs for electroreduction of oxygen. Current Opinion in Electrochemistry, 2018, 9, 257-264.	2.5	35
50	Properties of anion exchange membrane based on polyamine: Effect of functionalized silica particles prepared by solâ€“gel method. Solid State Ionics, 2018, 322, 85-92.	1.3	21
51	Polyurethane-Based Electrostrictive Nanocomposites as High Strainâ€“Low Frequency Mechanical Energy Harvesters. Journal of Physical Chemistry C, 2018, 122, 21115-21123.	1.5	2
52	Exotic solid state ion conductor from fluorinated titanium oxide and molten metallic lithium. Journal of Power Sources, 2018, 400, 16-22.	4.0	11
53	(Co, Ni)Sn_{0.5} Nanoparticles Supported on Hierarchical Carbon Nitrideâ€Grapheneâ€Based Electrocatalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 2029-2040.	1.7	6
54	Reorientational Relaxation and Hydrogen Bonding in Mixtures of Water and Methanol. Journal of the Electrochemical Society, 2018, 165, H549-H560.	1.3	2

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55	A Polyketone-based Anion Exchange Membrane for Electrochemical Applications: Synthesis and Characterization. Electrochimica Acta, 2017, 226, 148-157.	2.6	38
56	Electric Response and Conductivity Mechanism in H3PO4â€'Doped Polybenzimidazole-4Nâ^'HfO2 Nanocomposite Membranes for High Temperature Fuel Cells. Electrochimica Acta, 2017, 228, 562-574.	2.6	20
57	Evaluation of reduced-graphene-oxide-supported gold nanoparticles as catalytic system for electroreduction of oxygen in alkaline electrolyte. Electrochimica Acta, 2017, 233, 113-122.	2.6	35
58	Three-dimensional Catenated 1-ethyl-3-methylimidazolium Halotitanate Ionic Liquid Electrolytes for Electrochemical Applications. Electrochimica Acta, 2017, 246, 914-923.	2.6	13
59	Effect of Graphite and Copper Oxide on the Performance of High Potential Li[Fe 1/3 Ni 1/3 Co 1/3]PO 4 Olivine Cathodes for Lithium Batteries. Electrochimica Acta, 2017, 225, 533-542.	2.6	17
60	A lipophilic ionic liquid based on formamidinium cations and TFSI: the electric response and the effect of CO₂ on the conductivity mechanism. Physical Chemistry Chemical Physics, 2017, 19, 26230-26239.	1.3	2
61	Chemical modification and structural rearrangements of polyketoneâ€based polymer membrane. Journal of Applied Polymer Science, 2017, 134, 45485.	1.3	17
62	Molecular Engineering of Mn^{II} Diamine Diketonate Precursors for the Vapor Deposition of Manganese Oxide Nanostructures. Chemistry - A European Journal, 2017, 23, 17954-17963.	1.7	33
63	Reduced-Graphene-Oxide with Traces of Iridium or Gold as Active Support for Pt Catalyst at Low Loading during Oxygen Electroreduction. ECS Transactions, 2017, 80, 869-877.	0.3	4
64	Toward a Magnesiumâ€Iodine Battery. Advanced Functional Materials, 2016, 26, 4860-4865.	7.8	59
65	Fe-carbon nitride â€œCore-shellâ€•electrocatalysts for the oxygen reduction reaction. Electrochimica Acta, 2016, 222, 1778-1791.	2.6	60
66	Property-Relaxation Correlations in 3D-Siloxane/Polyether Hybrid Polymer Electrolytes. Journal of Physical Chemistry C, 2016, 120, 10770-10780.	1.5	6
67	(Invited) The Implications of Cation Clustering in Anion Exchange Membranes on Conductivity and Mechanical Properties. ECS Transactions, 2016, 75, 945-948.	0.3	2
68	A selective hybrid stochastic strategy for fuel-cell multi-parameter identification. Journal of Power Sources, 2016, 332, 249-264.	4.0	35
69	Interplay Between Structure and Conductivity in 1-Ethyl-3-methylimidazolium tetrafluoroborate/(Î´-MgCl 2) f Electrolytes for Magnesium Batteries. Electrochimica Acta, 2016, 219, 152-162.	2.6	18
70	Oxygen reduction reaction and X-ray photoelectron spectroscopy characterisation of carbon nitride-supported bimetallic electrocatalysts. Electrochimica Acta, 2016, 215, 398-409.	2.6	35
71	Magnesium Batteries: Toward a Magnesium-Iodine Battery (Adv. Funct. Mater. 27/2016). Advanced Functional Materials, 2016, 26, 4859-4859.	7.8	1
72	Graphene-Supported Au-Ni Carbon Nitride Electrocatalysts for the ORR in Alkaline Environment. ECS Transactions, 2016, 72, 1-14.	0.3	4

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73	Phase Diagram Approach to Study Acid and Water Uptake of Polybenzimidazole-Type Membranes for Fuel Cells. ECS Transactions, 2016, 72, 157-167.	0.3	5
74	A Highly Hydroxide Conductive, Chemically Stable Anion Exchange Membrane, Poly(2,6 dimethyl 1,4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of the Electrochemical Society, 2016, 163, H513-H520.	1.3	55
75	Conductivity and properties of polysiloxane-polyether cluster-LiTFSI networks as hybrid polymer electrolytes. Journal of Power Sources, 2016, 325, 427-437.	4.0	25
76	Dielectric relaxations of polyether-based polyurethanes containing ionic liquids as antistatic agents. Physical Chemistry Chemical Physics, 2016, 18, 2369-2378.	1.3	5
77	Origins, Developments, and Perspectives of Carbon Nitride-Based Electrocatalysts for Application in Low-Temperature FCs. Electrochemical Society Interface, 2015, 24, 59-64.	0.3	55
78	Electrochemical Energy Conversion. Electrochemical Society Interface, 2015, 24, 37-37.	0.3	1
79	Highâ€Performance Olivine for Lithium Batteries: Effects of Ni/Co Doping on the Properties of LiFe_{Î±}Ni_{Î²}Co_{Î³}PO₄ Cathodes. Advanced Functional Materials, 2015, 25, 4032-4037.	7.8	29
80	A Key concept in Magnesium Secondary Battery Electrolytes. ChemSusChem, 2015, 8, 3069-3076.	3.6	54
81	Study of electrochemical properties and thermal stability of the high-voltage spinel cathode material for lithium-ion accumulators. Journal of Solid State Electrochemistry, 2015, 19, 1579-1590.	1.2	9
82	Interplay between Composition, Structure, and Properties of New H₃PO₄-Doped PBI₄Nâ€“HfO₂ Nanocomposite Membranes for High-Temperature Proton Exchange Membrane Fuel Cells. Macromolecules, 2015, 48, 15-27.	2.2	56
83	Structural features, properties, and relaxations of PMMA-ZnO nanocomposite. Journal of Materials Science, 2015, 50, 2218-2228.	1.7	23
84	The structure of waterâ€“methanol mixtures under an electric field: Ab initio molecular dynamics simulations. Chemical Physics Letters, 2015, 635, 99-106.	1.2	5
85	Nanocomposite Membranes based on Polybenzimidazole and ZrO₂ for Highâ€Temperature Proton Exchange Membrane Fuel Cells. ChemSusChem, 2015, 8, 1381-1393.	3.6	64
86	Polymers: Opening Doors to Future Batteries. Polymer Reviews, 2015, 55, 208-246.	5.3	76
87	Single-Ion-Conducting Nanocomposite Polymer Electrolytes for Lithium Batteries Based on Lithiated-Fluorinated-Iron Oxide and Poly(ethylene glycol) 400. Electrochimica Acta, 2015, 175, 113-123.	2.6	47
88	Interplay between solid state transitions, conductivity mechanisms, and electrical relaxations in a [PVBTMA] [Br]-b-PMB diblock copolymer membrane for electrochemical applications. Physical Chemistry Chemical Physics, 2015, 17, 31125-31139.	1.3	29
89	Graphene-based technologies for energy applications, challenges and perspectives. 2D Materials, 2015, 2, 030204.	2.0	74
90	Interplay between water uptake, ion interactions, and conductivity in an e-beam grafted poly(ethylene-co-tetrafluoroethylene) anion exchange membrane. Physical Chemistry Chemical Physics, 2015, 17, 4367-4378.	1.3	83

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91	CCK8 peptide-labeled PluronicÂ® F127 micelles as a targeted vehicle of gold-based anticancer chemotherapeutics. MedChemComm, 2015, 6, 155-163.	3.5	16
92	Pyrolysis mechanism and electrical properties of 3D-hybrid organicâ€“inorganic materials based on zirconium oxides-hydroxides, 3-butenoates and vinyltrimethoxysilane. Journal of Thermal Analysis and Calorimetry, 2015, 119, 2305-2319.	2.0	2
93	The influence of used precursors on the properties of high-voltage cathode materials. Journal of Solid State Electrochemistry, 2015, 19, 647-653.	1.2	5
94	Interplay between Nitrogen Concentration, Structure, Morphology, and Electrochemical Performance of PdCoNi â€œCoreâ€“Shellâ€•Carbon Nitride Electrocatalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2014, 1, 1359-1369.	1.7	86
95	Effect of steam on structure and mechanical properties of biomedical block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1337-1346.	2.4	17
96	(Invited) Thin Robust Anion Exchange Membranes for Fuel Cell Applications. ECS Transactions, 2014, 64, 1185-1194.	0.3	2
97	Interplay between morphology and electrochemical performance of â€œcoreâ€“shellâ€•electrocatalysts for oxygen reduction reaction based on a PtNix carbon nitride â€œshellâ€•and a pyrolyzed polyketone nanoball â€œcoreâ€• International Journal of Hydrogen Energy, 2014, 39, 2828-2841.	3.8	56
98	Synthesis, studies and fuel cell performance of â€œcoreâ€“shellâ€•electrocatalysts for oxygen reduction reaction based on a PtNix carbon nitride â€œshellâ€•and a pyrolyzed polyketone nanoball â€œcoreâ€• International Journal of Hydrogen Energy, 2014, 39, 2812-2827.	3.8	71
99	Coprecipitation of Oxalates: An Easy and Reproducible Wetâ€Chemistry Synthesis Route for Transitionâ€Metal Ferrites. European Journal of Inorganic Chemistry, 2014, 2014, 875-887.	1.0	30
100	Current Environmental Issues and Challenges. , 2014, , .		10
101	Effect of steam on the structural and morphological stability of renewable poly(etherâ€blockâ€amide)s. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 409-418.	2.4	8
102	Highly Conducting 3D-Hybrid Polymer Electrolytes for Lithium Batteries Based on Siloxane Networks and Cross-Linked Organic Polar Interphases. Chemistry of Materials, 2014, 26, 6339-6350.	3.2	33
103	Microstructure Development and Dielectric Characterization of Forsteriteâ€Based Ceramics from Silicone Resins and Oxide Fillers. Advanced Engineering Materials, 2014, 16, 806-813.	1.6	19
104	Nanostructured Pd barrier for low methanol crossover DMFC. International Journal of Hydrogen Energy, 2014, 39, 2801-2811.	3.8	24
105	Single-ion-conducting nanocomposite polymer electrolytes based on PEG400 and anionic nanoparticles: Part 2. Electrical characterization. International Journal of Hydrogen Energy, 2014, 39, 2884-2895.	3.8	38
106	Iodide-conducting plastic crystals based on N,N-dimethyl-2-(methylsilyloxy) ethanaminium cations (MESEAn+) for application in dye-sensitized solar cells. International Journal of Hydrogen Energy, 2014, 39, 2896-2903.	3.8	6
107	Single-ion-conducting nanocomposite polymer electrolytes based on PEG400 and anionic nanoparticles: Part 1. Synthesis, structure and properties. International Journal of Hydrogen Energy, 2014, 39, 2872-2883.	3.8	30
108	A vibrational spectroscopic and modeling study of poly(2,5-benzimidazole) (ABPBI) â€“ Phosphoric acid interactions in high temperature PEFC membranes. International Journal of Hydrogen Energy, 2014, 39, 2776-2784.	3.8	27

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109	Fuel Cell Technology and Materials. , 2014, , 57-71.		0
110	New nanocomposite proton conducting membranes based on a coreâ€“shell nanofiller for low relative humidity fuel cells. RSC Advances, 2013, 3, 18960.	1.7	17
111	Interplay between chemical structure and ageing on mechanical and electric relaxations in poly(ether-block-amide)s. Polymer Degradation and Stability, 2013, 98, 1126-1137.	2.7	20
112	Interplay between Structure and Relaxations in Perfluorosulfonic Acid Proton Conducting Membranes. Journal of the American Chemical Society, 2013, 135, 822-834.	6.6	100
113	Correlation Between Chemical and Mechanical Properties in Renewable Poly(etherâ€blockâ€amide)s for Biomedical Applications. Macromolecular Chemistry and Physics, 2013, 214, 2061-2072.	1.1	19
114	Dielectric relaxations and conduction mechanisms in polyetherâ€“clay composite polymer electrolytes under high carbon dioxide pressure. Physical Chemistry Chemical Physics, 2013, 15, 16626.	1.3	24
115	The influence of the cationic form and degree of hydration on the structure of Nafionâ„¢. Solid State Ionics, 2013, 252, 84-92.	1.3	39
116	Molecular Relaxations in Magnesium Polymer Electrolytes via GHz Broadband Electrical Spectroscopy. ChemSusChem, 2013, 6, 2157-2160.	3.6	25
117	Pressure, Temperature, and Dew Point Broadband Electrical Spectroscopy (PTD-BES) for the Investigation of Membranes for PEMFCsâ€´. Fuel Cells, 2013, 13, 48-57.	1.5	4
118	Synthesis of Nanocomposites from Pd⁰ and a Hyperâ€Crossâ€Linked Functional Resin Obtained from a Conventional Gelâ€Type Precursor. Chemistry - A European Journal, 2013, 19, 9381-9387.	1.7	9
119	Using Broadband Electric Spectroscopy to Study Transport in Anion Exchange Membranes. ECS Meeting Abstracts, 2013, , .	0.0	0
120	(Keynote Lecture) Multi-Metal Nano-Electrocatalysts Based on Carbon Nitride Supports for the ORR and FOR in PEM Fuel Cells. ECS Transactions, 2012, 40, 3-10.	0.3	4
121	New hybrid inorganic-organic proton conducting membranes based on Nafion and a [(ZrO2)Â·(Ta2O5)0.119] oxide core-shell nanofiller. Materials Research Society Symposia Proceedings, 2012, 1384, 1.	0.1	1
122	Raman study of the polybenzimidazoleâ€“phosphoric acid interactions in membranes for fuel cells. Physical Chemistry Chemical Physics, 2012, 14, 10022.	1.3	50
123	Synthesisâ€“Structureâ€“Morphology Interplay of Bimetallic â€œCoreâ€“Shellâ€•Carbon Nitride Nanoâ€electrocatalysts. ChemSusChem, 2012, 5, 2451-2459.	3.6	80
124	Interplay between the Structure and Relaxations in Selemion AMV Hydroxide Conducting Membranes for AEMFC Applications. Journal of Physical Chemistry C, 2012, 116, 23965-23973.	1.5	28
125	Influence of Anions on Proton-Conducting Membranes Based on Neutralized Nafion 117, Triethylammonium Methanesulfonate, and Triethylammonium Perfluorobutanesulfonate. 2. Electrical Properties. Journal of Physical Chemistry C, 2012, 116, 1370-1379.	1.5	44
126	Influence of Anions on Proton-Conducting Membranes Based on Neutralized Nafion 117, Triethylammonium Methanesulfonate, and Triethylammonium Perfluorobutanesulfonate. 1. Synthesis and Properties. Journal of Physical Chemistry C, 2012, 116, 1361-1369.	1.5	35

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127	Interplay between Structural and Dielectric Features of New Low k Hybrid Organicâ€“Organometallic Supramolecular Ribbons. Crystal Growth and Design, 2012, 12, 297-305.	1.4	48
128	Interplay between Mechanical, Electrical, and Thermal Relaxations in Nanocomposite Proton Conducting Membranes Based on Nafion and a [(ZrO₂)Â·(Ta₂O₅)_{0.119}] Coreâ€“Shell Nanofiller. Journal of the American Chemical Society, 2012, 134, 19099-19107.	6.6	79
129	New Nanocomposite Hybrid Inorganicâ€“Organic Protonâ€Conducting Membranes Based on Functionalized Silica and PTFE. ChemSusChem, 2012, 5, 1758-1766.	3.6	24
130	Time-resolved ESR investigation on energy transfer processes in Nafion photochemistry. International Journal of Hydrogen Energy, 2012, 37, 6317-6325.	3.8	4
131	Hybrid inorganic-organic nanocomposite polymer electrolytes based on Nafion and fluorinated TiO2 for PEMFCs. International Journal of Hydrogen Energy, 2012, 37, 6169-6181.	3.8	54
132	Inorganicâ€“organic membranes based on Nafion, [(ZrO2)Â·(HfO2)0.25] and [(SiO2)Â·(HfO2)0.28]. Part I: Synthesis, thermal stability and performance in a single PEMFC. International Journal of Hydrogen Energy, 2012, 37, 6199-6214.	3.8	50
133	Inorganicâ€“organic membranes based on Nafion, [(ZrO2)Â·(HfO2)0.25] and [(SiO2)Â·(HfO2)0.28] nanoparticles. Part II: Relaxations and conductivity mechanism. International Journal of Hydrogen Energy, 2012, 37, 6215-6227.	3.8	51
134	Preparation, characterization and single-cell performance of a new class of Pd-carbon nitride electrocatalysts for oxygen reduction reaction in PEMFCs. Applied Catalysis B: Environmental, 2012, 111-112, 185-199.	10.8	56
135	Characterization of sulfated-zirconia/NafionÂ® composite membranes for proton exchange membrane fuel cells. Journal of Power Sources, 2012, 198, 66-75.	4.0	58
136	Broadband electric spectroscopy of proton conducting SPEEK membranes. Journal of Membrane Science, 2012, 390-391, 58-67.	4.1	37
137	Further characterization of agmatine binding to mitochondrial membranes: involvement of imidazoline I2 receptor. Amino Acids, 2012, 42, 761-768.	1.2	6
138	Structureâ€“property interplay of proton conducting membranes based on PBI5N, SiO2â€“Im and H3PO4 for high temperature fuel cells. Physical Chemistry Chemical Physics, 2011, 13, 12146.	1.3	35
139	Effect of SiO2 on the dynamics of proton conducting [Nafion/(SiO2)X] composite membranes: a solid-state 19F NMR study. Physical Chemistry Chemical Physics, 2011, 13, 9327.	1.3	23
140	Broadband Electric Spectroscopy at High CO₂ Pressure: Dipole Moment of CO₂ and Relaxation Phenomena of the CO₂â€“Poly(vinyl chloride) System. Journal of Physical Chemistry B, 2011, 115, 9014-9021.	1.2	10
141	New Sulfonated Poly(p-phenylenesulfone)/Poly(1-oxotrimethylene) Nanocomposite Proton-Conducting Membranes for PEMFCs. Chemistry of Materials, 2011, 23, 4452-4458.	3.2	12
142	Effect of High Pressure CO₂ on the Structure of PMMA: A FT-IR Study. Journal of Physical Chemistry B, 2011, 115, 13519-13525.	1.2	23
143	Broadband dielectric and conductivity spectroscopy of Li-ion conducting three-dimensional hybrid inorganicâ€“organic networks as polymer electrolytes based on poly(ethylene glycol) 400, Zr and Al nodes. Electrochimica Acta, 2011, 57, 192-200.	2.6	26
144	Interplay between structural and electrochemical properties of Pt-Rh carbon nitride electrocatalysts for the oxygen reduction reaction. Electrochimica Acta, 2011, 57, 257-269.	2.6	43

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145	Iodide-conducting polymer electrolytes based on poly-ethylene glycol and MgI2: Synthesis and structural characterization. Electrochimica Acta, 2011, 57, 112-122.	2.6	37
146	Platinum(II) chloride indenyl complexes: electrochemical and biological evaluation. Journal of Biological Inorganic Chemistry, 2011, 16, 695-713.	1.1	14
147	Characterization of Synthetic Iron Oxides and their Performance as Support for Au Catalysts.. ChemCatChem, 2010, 2, 1143-1149.	1.8	15
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