Riccardo Ruffo

List of Publications by Year
in descending order

141 papers	8,292 citations	61984 43 h-index	46799 89 g-index
152 all docs	152 docs citations	152 times ranked	11126 citing authors

#	Article	IF	Citations
1	Composite solid-state electrolyte based on hybrid poly(ethylene glycol)-silica fillers enabling long-life lithium metal batteries. Electrochimica Acta, 2022, 411, 140060.	5.2	6
2	Design of high-performance antimony/MXene hybrid electrodes for sodium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 10569-10585.	10.3	12
3	Physicochemical properties of Pyr13TFSI-NaTFSI electrolyte for sodium batteries. Electrochimica Acta, 2022, 412, 140123.	5.2	11
4	Comparative life cycle assessment of Fe2O3-based fibers as anode materials for sodium-ion batteries. Environment, Development and Sustainability, 2021, 23, 6786-6799.	5.0	12
5	Effect of Germanium Incorporation on the Electrochemical Performance of Electrospun Fe2O3 Nanofibers-Based Anodes in Sodium-Ion Batteries. Applied Sciences (Switzerland), 2021, 11, 1483.	2.5	5
6	Using the electron spin resonance to detect the functional centers in materials for sensor devices. Ionics, 2021, 27, 1839-1851.	2.4	1
7	The Importance of Interphases in Energy Storage Devices: Methods and Strategies to Investigate and Control Interfacial Processes. Physchem, 2021, 1, 26-44.	1.1	0
8	In memoriamâ€”Claudio Maria Mari (1947â€“2020). Ionics, 2021, 27, 1837-1838.	2.4	0
9	Cycling properties of Na3V2(PO4)2F3 as positive material for sodium-ion batteries. Ionics, 2021, 27, 1853-1860.	2.4	9
10	Circular Economy and the Fate of Lithium Batteries: Second Life and Recycling. Advanced Energy and Sustainability Research, 2021, 2, 2100047.	5.8	16
11	Algae-derived hard carbon anodes for Na-ion batteries. Journal of Applied Electrochemistry, 2021, 51, 1665-1673.	2.9	12
12	Treatment with ROS detoxifying gold quantum clusters alleviates the functional decline in a mouse model of Friedreich ataxia. Science Translational Medicine, 2021, 13, .	12.4	7
13	Low dye content efficient dye-sensitized solar cells using carbon doped-titania paste from convenient green synthetic process. Inorganica Chimica Acta, 2021, 525, 120487.	2.4	0
14	The Missing Piece: The Structure of the Ti₃C₂T_{<i>x</i>} MXene and Its Behavior as Negative Electrode in Sodium Ion Batteries. Nano Letters, 2021, 21, 8290-8297.	9.1	22
15	Ti3C2Tx MXene compounds for electrochemical energy storage. Current Opinion in Electrochemistry, 2021, 29, 100764.	4.8	17
16	A physico-chemical investigation of highly concentrated potassium acetate solutions towards applications in electrochemistry. Physical Chemistry Chemical Physics, 2021, 23, 1139-1145.	2.8	19
17	First demonstration of the use of open-shell derivatives as organic luminophores for transparent luminescent solar concentrators. Materials Advances, 2021, 2, 7369-7378.	5.4	12
18	Fluorine substituted non-symmetric phenazines: a new synthetic protocol from polyfluorinated azobenzenes. Arkivoc, 2020, 2019, 340-351.	0.5	5

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19	New Rollâ€toâ€Roll Processable PEDOTâ€Based Polymer with Colorless Bleached State for Flexible Electrochromic Devices. Advanced Functional Materials, 2020, 30, 1906254.	14.9	68
20	Chemically Sustainable Large Stokes Shift Derivatives for High-Performance Large-Area Transparent Luminescent Solar Concentrators. Joule, 2020, 4, 1988-2003.	24.0	32
21	A new double layer super-capacitor made by free-standing activated carbon membranes and highly concentrated potassium acetate solutions. Electrochimica Acta, 2020, 364, 137323.	5.2	11
22	Red phosphorus decorated electrospun carbon anodes for high efficiency lithium ion batteries. Scientific Reports, 2020, 10, 13233.	3.3	13
23	Exploiting Selfâ€Healing in Lithium Batteries: Strategies for Nextâ€Generation Energy Storage Devices. Advanced Energy Materials, 2020, 10, 2002815.	19.5	38
24	Lithiation Mechanism in High-Entropy Oxides as Anode Materials for Li-Ion Batteries: An Operando XAS Study. ACS Applied Materials & Interfaces, 2020, 12, 50344-50354.	8.0	78
25	Thermally Regenerable Redox Flow Battery. ChemSusChem, 2020, 13, 5460-5467.	6.8	16
26	Paving the Way toward Highly Efficient, High-Energy Potassium-Ion Batteries with Ionic Liquid Electrolytes. Chemistry of Materials, 2020, 32, 7653-7661.	6.7	58
27	Effect of Hematite Doping with Aliovalent Impurities on the Electrochemical Performance of Î±-Fe2O3@rGO-Based Anodes in Sodium-Ion Batteries. Nanomaterials, 2020, 10, 1588.	4.1	10
28	Na 3 V 2 (PO 4) 3 â€Supported Electrospun Carbon Nanofiber Nonwoven Fabric as Selfâ€Standing Naâ€Ion Cell Cathode. ChemElectroChem, 2020, 7, 1652-1659.	3.4	16
29	FeTiO 3 as Anode Material for Sodiumâ€Ion Batteries: from Morphology Control to Decomposition. ChemElectroChem, 2020, 7, 1713-1722.	3.4	9
30	Enhanced Functional Properties of Ti 3 C 2 T x MXenes as Negative Electrodes in Sodiumâ€Ion Batteries by Chemical Tuning. Small Methods, 2020, 4, 2000314.	8.6	27
31	Thermally Regenerable Redox Flow Battery for Exploiting Low-Temperature Heat Sources. Cell Reports Physical Science, 2020, 1, 100056.	5.6	16
32	Polymer-in-Ceramic Nanocomposite Solid Electrolyte for Lithium Metal Batteries Encompassing PEO-Grafted TiO₂ Nanocrystals. Journal of the Electrochemical Society, 2020, 167, 070535.	2.9	25
33	Preparation of Naphthalene Dianhydride Bithiophene Copolymers by Direct Arylation Polycondensation and the Latent Pigment Approach. ChemPlusChem, 2019, 84, 1176-1176.	2.8	0
34	A study on cobalt substitution in sodium manganese mixed-anion phosphates as positive electrode materials for Na-ion batteries. Journal of Power Sources, 2019, 444, 227274.	7.8	19
35	Preparation of Naphthalene Dianhydride Bithiophene Copolymers by Direct Arylation Polycondensation and the Latent Pigment Approach. ChemPlusChem, 2019, 84, 1346-1352.	2.8	5
36	Transition Metal Oxides on Reduced Graphene Oxide Nanocomposites: Evaluation of Physicochemical Properties. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	18

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37	Role of the carbon defects in the catalytic oxygen reduction by graphite nanoparticles: a spectromagnetic, electrochemical and computational integrated approach. Physical Chemistry Chemical Physics, 2019, 21, 6021-6032.	2.8	27
38	Electrochemical characterization of highly abundant, low cost iron (III) oxide as anode material for sodium-ion rechargeable batteries. Electrochimica Acta, 2018, 269, 367-377.	5.2	26
39	Readiness Level of Sodiumâ€Ion Battery Technology: A Materials Review. Advanced Sustainable Systems, 2018, 2, 1700153.	5.3	135
40	Modulation of charge transport properties in poly(3,4-ethylenedioxythiophene) nanocomposites for thermoelectric applications. Journal Physics D: Applied Physics, 2018, 51, 034002.	2.8	2
41	Diketopyrrolopyrrole latent pigment-based bilayer solar cells. Organic Photonics and Photovoltaics, 2018, 6, 8-16.	1.3	5
42	New perfluorinated ionomer with improved oxygen permeability for application in cathode polymeric electrolyte membrane fuel cell. Journal of Power Sources, 2018, 396, 95-101.	7.8	70
43	Synthesis and characterization of Fe2O3 /reduced graphene oxide nanocomposite as a high-performance anode material for sodium-ion batteries. Modelling, Measurement and Control B: Solid and Fluid Mechanics and Thermics, Mechanical Systems, 2018, 87, 129-134.	0.4	6
44	Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. Sustainable Energy and Fuels, 2017, 1, 694-698.	4.9	23
45	Shape-Controlled TiO₂ Nanocrystals for Na-Ion Battery Electrodes: The Role of Different Exposed Crystal Facets on the Electrochemical Properties. Nano Letters, 2017, 17, 992-1000.	9.1	162
46	Electro-spun Co3O4 anode material for Na-ion rechargeable batteries. Solid State Ionics, 2017, 309, 41-47.	2.7	22
47	Algae Derived Electrodes for Rechargeable Na-Ion Batteries: Materials Characterization and Electrochemical Performances. ECS Transactions, 2017, 80, 349-355.	0.5	3
48	Anharmonic motions<i>versus</i>dynamic disorder at the Mg ion from the charge densities in pyrope (Mg₃Al₂Si₃O₁₂) crystals at 30â€…K: six of one, half a dozen of the other. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 722-736.	1.1	12
49	An Integrated Theoretical/Experimental Study of Quinolinicâ€“Isoquinolinic Derivatives Acting as Reversible Electrochromes. Materials, 2017, 10, 802.	2.9	1
50	Molecular Level Factors Affecting the Efficiency of Organic Chromophores for p-Type Dye Sensitized Solar Cells. Energies, 2016, 9, 33.	3.1	14
51	Stateâ€ofâ€theâ€Art Neutral Tint Multichromophoric Polymers for Highâ€Contrast Seeâ€Through Electrochromic Devices. Advanced Functional Materials, 2016, 26, 5240-5246.	14.9	63
52	Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. Chemical Communications, 2016, 52, 6977-6980.	4.1	55
53	Co3O4 negative electrode material for rechargeable sodium ion batteries: An investigation of conversion reaction mechanism and morphology-performances correlations. Journal of Power Sources, 2016, 332, 42-50.	7.8	86
54	Synthesis and Characterization of Squaraineâ€Based Photocrosslinkable Resists for Bulk Heterojunction Solar Cells. European Journal of Organic Chemistry, 2016, 2016, 4032-4040.	2.4	6

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55	A novel layered lithium niobium titanate as battery anode material: Crystal structure and charge-discharge properties. Solid State Ionics, 2016, 295, 72-77.	2.7	6
56	Epitaxial InN/InGaN quantum dots on Si: Clâˆ’anion selectivity and pseudocapacitor behavior. Applied Physics Express, 2016, 9, 081004.	2.4	3
57	Manganeseâ€“cobalt hexacyanoferrate cathodes for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 4211-4223.	10.3	180
58	The Na2FeP2O7-carbon nanotubes composite as high rate cathode material for sodium ion batteries. Journal of Power Sources, 2016, 302, 61-69.	7.8	78
59	Tuning Thiopheneâ€Based Phenothiazines for Stable Photocatalytic Hydrogen Production. ChemSusChem, 2015, 8, 4216-4228.	6.8	48
60	Stokes shift/emission efficiency trade-off in donorâ€“acceptor perylenemonoimides for luminescent solar concentrators. Journal of Materials Chemistry A, 2015, 3, 8045-8054.	10.3	57
61	Electrode kinetics in the â€œcapacitive mixingâ€•and â€œbattery mixingâ€•techniques for energy production from salinity differences. Electrochimica Acta, 2015, 176, 1065-1073.	5.2	27
62	A new method and tool for detection and quantification of PM oxidative potential. Environmental Science and Pollution Research, 2015, 22, 12469-12478.	5.3	9
63	Influence of doping elements on the formation rate of silicon nanowires by silver-assisted chemical etching. Surface and Coatings Technology, 2015, 280, 37-42.	4.8	18
64	Postâ€Deposition Activation of Latent Hydrogenâ€Bonding: A New Paradigm for Enhancing the Performances of Bulk Heterojunction Solar Cells. Advanced Functional Materials, 2014, 24, 7410-7419.	14.9	27
65	Effect of the alkali insertion ion on the electrochemical properties of nickel hexacyanoferrate electrodes. Faraday Discussions, 2014, 176, 69-81.	3.2	68
66	Investigation of redox activity in the napthalenediimide-poly(3,4-ethylenedioxythiophene) cross-linked polymers. Electrochimica Acta, 2014, 140, 152-159.	5.2	5
67	Physicochemical Investigation of the Panchromatic Effect on Î²-Substituted Zn^{II} Porphyrinates for DSSCs: The Role of the Ï€ Bridge between a Dithienylethylene Unit and the Porphyrinic Ring. Journal of Physical Chemistry C, 2014, 118, 7307-7320.	3.1	27
68	Electrolytes for quasi solid-state dye-sensitized solar cells based on block copolymers. Journal of Polymer Science Part A, 2014, 52, 719-727.	2.3	24
69	Surface interaction of WO3 nanocrystals with NH3. Role of the exposed crystal surfaces and porous structure in enhancing the electrical response. RSC Advances, 2014, 4, 11012.	3.6	29
70	Connecting molecule oxidation to single crystal structural and charge transport properties in rubrene derivatives. Journal of Materials Chemistry C, 2014, 2, 4147-4155.	5.5	25
71	Neutron Diffraction and Electrochemical Study of FeNb₁₁O₂₉/Li₁₁FeNb₁₁O₂₉ for Lithium Battery Anode Applications. Chemistry of Materials, 2014, 26, 2203-2209.	6.7	54
72	Exomethylene-3,4-ethylenedioxythiophene (emEDOT): A New Versatile Building Block for Functionalized Electropolymerized Poly(3,4-ethylenedioxythiophenes) (PEDOTs). Organic Letters, 2013, 15, 3502-3505.	4.6	13

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73	Tetraaryl Zn^{II} Porphyrinates Substituted at Î²â€Pyrrolic Positions as Sensitizers in Dyeâ€Sensitized Solar Cells: A Comparison with <i>meso</i>â€Disubstituted Pushâ€“Pull Zn^{II} Porphyrinates. Chemistry - A European Journal, 2013, 19, 10723-10740.	3.3	60
74	Asymmetric Tribranched Dyes: An Intramolecular Cosensitization Approach for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2013, 2013, 6793-6801.	2.4	36
75	Dye-sensitized solar cells containing plasma jet deposited hierarchically nanostructured TiO2 thin photoanodes. Journal of Materials Chemistry A, 2013, 1, 11665.	10.3	16
76	Impedance analysis of Na0.44MnO2 positive electrode for reversible sodium batteries in organic electrolyte. Electrochimica Acta, 2013, 108, 575-582.	5.2	66
77	High Stokes shift perylene dyes for luminescent solar concentrators. Chemical Communications, 2013, 49, 1618.	4.1	97
78	Open circuit voltage tuning through molecular design in hydrazone end capped donors for bulk heterojunction solar cells. Journal of Materials Chemistry A, 2013, 1, 2631.	10.3	16
79	Diffusion behavior of sodium ions in Na0.44MnO2 in aqueous and non-aqueous electrolytes. Journal of Power Sources, 2013, 244, 758-763.	7.8	158
80	High Efficiency Upâ€Converting Single Phase Elastomers for Photon Managing Applications. Advanced Energy Materials, 2013, 3, 680-686.	19.5	108
81	Electrochemical and Spectroelectrochemical Properties of a New Donorâ€“Acceptor Polymer Containing 3,4-Dialkoxythiophene and 2,1,3-Benzothiadiazole Units. Polymers, 2013, 5, 1068-1080.	4.5	8
82	Crosslinked Electroactive Polymers Containing Naphthalene-Bisimide Redox Centers for Energy Storage. Journal of the Electrochemical Society, 2013, 160, A1094-A1098.	2.9	22
83	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. Dalton Transactions, 2012, 41, 11731.	3.3	39
84	Panchromatic squaraine compounds for broad band light harvesting electronic devices. Journal of Materials Chemistry, 2012, 22, 6704.	6.7	45
85	Layered Na0.71CoO2: a powerful candidate for viable and high performance Na-batteries. Physical Chemistry Chemical Physics, 2012, 14, 5945.	2.8	116
86	Quaterpyridine Ligands for Panchromatic Ru(II) Dye Sensitizers. Journal of Organic Chemistry, 2012, 77, 7945-7956.	3.2	30
87	A new thiocyanate-free cyclometallated ruthenium complex for dye-sensitized solar cells: Beneficial effects of substitution on the cyclometallated ligand. Journal of Organometallic Chemistry, 2012, 714, 88-93.	1.8	38
88	A vinyleneâ€linked benzo[1,2â€‹<i>b</i>:4,5â€‹<i>b'</i>]dithiopheneâ€2,1,3â€benzothiadiazole lowâ€bandgap polymer. Journal of Polymer Science Part A, 2012, 50, 2829-2840.	2.3	25
89	Gray to Colorless Switching, Crosslinked Electrochromic Polymers with Outstanding Stability and Transmissivity From Naphthalenediimmideâ€Functionalized EDOT. Advanced Materials, 2012, 24, 2004-2008.	21.0	55
90	Role played by chain length and polarity of n-substitutents in electrochromic polymers from the tri-heterocyclic monomer pyrrole-thiophene-pyrrole. Solar Energy Materials and Solar Cells, 2012, 99, 101-108.	6.2	4

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91	Macroporous WO₃ Thin Films Active in NH₃ Sensing: Role of the Hosted Cr Isolated Centers and Pt Nanoclusters. Journal of the American Chemical Society, 2011, 133, 5296-5304.	13.7	197
92	Regioselective Synthesis of 1,2- vs 1,3-Squaraines. Organic Letters, 2011, 13, 3166-3169.	4.6	27
93	UV absorbing zwitterionic pyridinium-tetrazolate: exceptional transparency/optical nonlinearity trade-off. Chemical Communications, 2011, 47, 292-294.	4.1	20
94	Vinylene-linked pyridine-pyrrole donorâ€“acceptor conjugated polymers. Synthetic Metals, 2011, 161, 763-769.	3.9	10
95	Facile synthesis and electrochemical performance of ordered LiNi0.5Mn1.5O4 nanorods as a high power positive electrode for rechargeable Li-ion batteries. Journal of Power Sources, 2011, 196, 10712-10716.	7.8	63
96	Solâ€“gel derived mesoporous Pt and Cr-doped WO3 thin films: the role played by mesoporosity and metal doping in enhancing the gas sensing properties. Journal of Sol-Gel Science and Technology, 2011, 60, 378-387.	2.4	11
97	Electrochemical characterization of LiCoO2 as rechargeable electrode in aqueous LiNO3 electrolyte. Solid State Ionics, 2011, 192, 289-292.	2.7	72
98	Photophysical and Electrochemical Properties of Thiopheneâ€Based 2â€Arylpyridines. European Journal of Organic Chemistry, 2011, 2011, 5587-5598.	2.4	16
99	Bulk Heterojunction Solar Cells â€“ Tuning of the HOMO and LUMO Energy Levels of Pyrrolic Squaraine Dyes. European Journal of Organic Chemistry, 2011, 2011, 5555-5563.	2.4	37
100	Optimizing operating conditions and electrochemical characterization of glucoseâ€“gluconate alkaline fuel cells. Journal of Power Sources, 2011, 196, 1273-1278.	7.8	11
101	Alkaline glucose oxidation on nanostructured gold electrodes. Gold Bulletin, 2010, 43, 57-64.	2.7	84
102	Co-precipitation in aqueous medium of La0.8Sr0.2Ga0.8Mg0.2O3âˆ’Î´ via inorganic precursors. Journal of Power Sources, 2010, 195, 8116-8123.	7.8	23
103	One-Step Preparation of SnO₂ and Pt-Doped SnO₂ As Inverse Opal Thin Films for Gas Sensing. Chemistry of Materials, 2010, 22, 4083-4089.	6.7	96
104	Ultrathin Spinel LiMn₂O₄ Nanowires as High Power Cathode Materials for Li-Ion Batteries. Nano Letters, 2010, 10, 3852-3856.	9.1	452
105	Pyridineâˆ’EDOT Heteroaryleneâˆ’Vinylene Donorâˆ’Acceptor Polymers. Macromolecules, 2010, 43, 9698-9713.	4.8	28
106	Electrical Characterization of LSGM Electrolytes Synthesized via Co-precipitation Route. ECS Transactions, 2009, 25, 1729-1736.	0.5	0
107	A High Molecular Weight Donor for Electron Injection Interlayers on Metal Electrodes. ChemPhysChem, 2009, 10, 2947-2954.	2.1	16
108	Panchromatic Crossâ€Substituted Squaraines for Dyeâ€Sensitized Solar Cell Applications. ChemSusChem, 2009, 2, 621-624.	6.8	51

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109	Electrochemical behavior of LiCoO2 as aqueous lithium-ion battery electrodes. Electrochemistry Communications, 2009, 11, 247-249.	4.7	229
110	Fast and air stable near-infrared organic detector based on squaraine dyes. Organic Electronics, 2009, 10, 1314-1319.	2.6	58
111	Structural and electrochemical study of the reaction of lithium with silicon nanowires. Journal of Power Sources, 2009, 189, 34-39.	7.8	276
112	Surface chemistry and morphology of the solid electrolyte interphase on silicon nanowire lithium-ion battery anodes. Journal of Power Sources, 2009, 189, 1132-1140.	7.8	559
113	Second harmonic generation in nonsymmetrical squaraines: tuning of the directional charge transfer character in highly delocalized dyes. Journal of Materials Chemistry, 2009, 19, 8190.	6.7	48
114	Crystalline-Amorphous Coreâ^'Shell Silicon Nanowires for High Capacity and High Current Battery Electrodes. Nano Letters, 2009, 9, 491-495.	9.1	1,110
115	Impedance Analysis of Silicon Nanowire Lithium Ion Battery Anodes. Journal of Physical Chemistry C, 2009, 113, 11390-11398.	3.1	510
116	Carbonate coprecipitation synthesis of Sr- and Mg-doped LaGaO3. Materials Letters, 2009, 63, 1892-1894.	2.6	16
117	Single Nanorod Devices for Battery Diagnostics: A Case Study on LiMn₂O₄. Nano Letters, 2009, 9, 4109-4114.	9.1	114
118	Impedance investigation on porous Sr-doped LaMnO3 films onto Sr-Mg-doped LaGaO3 electrolyte. Ionics, 2008, 14, 107-111.	2.4	2
119	Mechanistic study of the redox process of an in situ oxidatively polymerised poly(3,4-ethylene-dioxythiophene) film. Solar Energy Materials and Solar Cells, 2008, 92, 140-145.	6.2	27
120	Assessment of Water-Soluble Ï€-Extended Squaraines as One- and Two-Photon Singlet Oxygen Photosensitizers:â€‰ Design, Synthesis, and Characterization. Journal of the American Chemical Society, 2008, 130, 1894-1902.	13.7	152
121	Spinel LiMn₂O₄ Nanorods as Lithium Ion Battery Cathodes. Nano Letters, 2008, 8, 3948-3952.	9.1	579
122	Indolic Squaraines as Two-Photon Absorbing Dyes in the Visible Region: X-ray Structure, Electrochemical, and Nonlinear Optical Characterization. Chemistry of Materials, 2008, 20, 3242-3244.	6.7	56
123	Electrical and electrochemical behaviour of several LiFe x Co1â€‰â^'â€‰x PO4 solid solutions as cathode materials for lithium ion batteries. Ionics, 2007, 13, 287-291.	2.4	23
124	Electrical behaviour of LSGMâ€“LSM composite cathode materials. Solid State Ionics, 2006, 177, 1991-1996.	2.7	14
125	Characterization of (1â^'x) La0.83Sr0.17Ga0.83Mg0.17O2.83â^'xLa0.8Sr0.2MnO3 (0â‰xâ‰1) composite cathodes. Journal of the European Ceramic Society, 2005, 25, 2587-2591.	5.7	21
126	The system Al2O3 and (Sr,Mg)-doped LaGaO3: phase composition and electrical properties. Solid State Ionics, 2005, 176, 81-88.	2.7	11

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127	Phosphate materials for cathodes in lithium ion secondary batteries. Ionics, 2005, 11, 213-219.	2.4	31
128	IS Î±-Al2O3/ La0.8Sr0.2Ga0.8Mg0.2O3â€“Î´ really a new ionic conductor composite?really a new ionic conductor composite?. Ionics, 2005, 11, 29-35.	2.4	1
129	Ruthenium(Platinum)-Doped Tin Dioxide Inverted Opals for Gas Sensors:â€‰ Synthesis, Electron Paramagnetic Resonance, MÃ¶ssbauer, and Electrical Investigation. Chemistry of Materials, 2005, 17, 6167-6171.	6.7	32
130	Interaction of NO with Nanosized Ru-, Pd-, and Pt-Doped SnO2:Â Electron Paramagnetic Resonance, MÃ¶ssbauer, and Electrical Investigation. Journal of Physical Chemistry B, 2005, 109, 7195-7202.	2.6	23
131	Sensing Mechanism of NO in Nanocrystalline Ru, Pt, Pd-Doped SnO2: Electron Paramagnetic Resonance, MÃ¶ssbauer and Electrical Study. Materials Research Society Symposia Proceedings, 2004, 828, 185.	0.1	0
132	Mechanism of sensing NO in argon by nanocrystalline SnO2: electron paramagnetic resonance, MÃ¶ssbauer and electrical study. Sensors and Actuators B: Chemical, 2004, 100, 228-235.	7.8	25
133	Nanocrystalline SnO2-Based Thin Films Obtained by Solâˆ’Gel Route:â€‰ A Morphological and Structural Investigation. Chemistry of Materials, 2003, 15, 2646-2650.	6.7	37
134	Can electron paramagnetic resonance measurements predict the electrical sensitivity of SnO2-based film?. Applied Magnetic Resonance, 2002, 22, 89-100.	1.2	29
135	Analysis of the electrical behaviour of conductor/insulator composites using effective medium theories. Journal of the European Ceramic Society, 2002, 22, 1645-1652.	5.7	8
136	Nanostructured Pt-Doped Tin Oxide Films:Â Solâˆ’Gel Preparation, Spectroscopic and Electrical Characterization. Chemistry of Materials, 2001, 13, 4355-4361.	6.7	43
137	Structural and electrical characterization of the NASICON-type Li2FeZr(PO4)3 and Li2FeTi(PO4)3 compounds. Ionics, 2001, 7, 105-108.	2.4	4
138	Surface reactivity of nanostructured tin oxide and Pt-doped tin oxide as studied by EPR and XPS spectroscopies. Materials Science and Engineering C, 2001, 15, 167-169.	7.3	54
139	Pt-SnO2 THIN FILMS BY SIMULTANEOUS GELATION OF TETRA(TERT-BUTOXY)TIN(IV) AND BIS(ACETYLACETONATO)PLATINUM(II) PRECURSORS: SPECTROSCOPIC AND ELECTRICAL CHARACTERIZATION. , 2000, , .		0
140	An efficient Buchwaldâ€“Hartwig amination protocol enables the synthesis of new branched and polymeric hole transport materials for perovskite solar cells. Energy Advances, 0, , .	3.3	3
141	From Small Metal Clusters to Molecular Nanoarchitectures with a Coreâ€“Shell Structure: The Synthesis, Redox Fingerprint, Theoretical Analysis, and Solid-State Structure of [Co₃₈As₁₂(CO)₅₀]^{4â€“}. Inorganic Chemistry, 0, , .	4.0	1