

Piotr Jasinski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151
papers

2,308
citations

24
h-index

42
g-index

163
ext. papers

2,599
ext. citations

4
avg, IF

5.11
L-index

#	Paper	IF	Citations
151	High-performance anode-supported solid oxide fuel cells with co-fired $\text{Sm}_{0.2}\text{Ce}_{0.8}\text{O}_{2-\delta}/\text{La}_{0.8}\text{Sr}_{0.2}\text{Ga}_{0.8}\text{Mg}_{0.2}\text{O}_{3-\delta}/\text{Sm}_{0.2}\text{Ce}_{0.8}\text{O}_{2-\delta}$ sandwiched electrolyte. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 5429-5438	6.7	0
150	A dual-control strategy based on electrode material and electrolyte optimization to construct an asymmetric supercapacitor with high energy density.. <i>Nanotechnology</i> , 2022 ,	3.4	1
149	The Effect of Cobalt Incorporation into Nickel/Iron Oxide/(oxy)hydroxide Catalyst on Electrocatalytic Performance Toward Oxygen Evolution Reaction. <i>Energy Technology</i> , 2021 , 9, 2100688	3.5	0
148	Improvement of Oxygen Electrode Performance of Intermediate Temperature Solid Oxide Cells by Spray Pyrolysis Deposited Active Layers. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2002227	4.6	3
147	Manganese-Cobalt Based Spinel Coatings Processed by Electrophoretic Deposition Method: The Influence of Sintering on Degradation Issues of Solid Oxide Cell Oxygen Electrodes at 750 °C. <i>Materials</i> , 2021 , 14,	3.5	4
146	The effect of Fe on chemical stability and oxygen evolution performance of high surface area $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ mixed ionic-electronic conductors in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 28575-28590	6.7	1
145	High-performance $\text{NdSrCo}_2\text{O}_5+\text{Fe}_{0.8}\text{Gd}_{0.2}\text{O}_2$ - δ composite cathodes for electrolyte-supported microtubular solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 31778-31787	6.7	2
144	The Influence of the Electrodeposition Parameters on the Properties of Mn-Co-Based Nanofilms as Anode Materials for Alkaline Electrolysers. <i>Materials</i> , 2020 , 13,	3.5	2
143	Effect of sintering temperature on electrochemical performance of porous $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ ($x = 0.35, 0.5, 0.7$) oxygen electrodes for solid oxide cells. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 873-882	2.6	3
142	Study of oxygen electrode reactions on symmetrical porous $\text{SrTi}_{0.30}\text{Fe}_{0.70}\text{O}_{3-\delta}$ electrodes on $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$ electrolyte at 800 °C/600 °C. <i>Electrochimica Acta</i> , 2020 , 346, 136285	6.7	2
141	Preparation and characterisation of iron substituted $\text{Mn}_{1.7}\text{Cu}_{1.3-x}\text{Fe}_x\text{O}_4$ spinel oxides ($x = 0, 0.1, 0.3, 0.5$). <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5920-5929	6	3
140	Design and characterization of apatite $\text{La}_{9.8}\text{Si}_{5.7}\text{Mg}_{0.3}\text{O}_{26}$ -based micro-tubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2020 , 460, 228072	8.9	4
139	Effects of Ca^{2+} , Mg^{2+} , Na^{+} , and K^{+} substitutions on the microstructure and electrical properties of GdCoO_3 ceramics. <i>Journal of Electroceramics</i> , 2020 , 45, 75-83	1.5	
138	Exsolution of Ni nanoparticles on the surface of cerium and nickel co-doped lanthanum strontium titanate as a new anodic layer for DIR-SOFC. Anti-coking potential and H_2S poisoning resistance of the prepared material 2020 , 45, 29186-29186		2
137	Processing of $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{2-\delta}$ barrier layers for solid oxide cells: The effect of preparation method and thickness on the interdiffusion and electrochemical performance. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5626-5633	6	4
136	The influence of thermal treatment on electrocatalytic properties of Mn-Co nanofilms on nickel foam toward oxygen evolution reaction activity. <i>Materials Letters</i> , 2020 , 258, 126759	3.3	0
135	The Influence of Iron Doping on Performance of $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ Perovskite Oxygen Electrode for SOFC. <i>ECS Transactions</i> , 2019 , 91, 1299-1307	1	3

134	Evaluation of Praseodymium and Gadolinium Doped Ceria as a Possible Barrier Layer Material for Solid Oxide Cells. <i>ECS Transactions</i> , 2019 , 91, 1165-1172	1	3
133	The Influence of the Co-Dopant Dexamethasone Phosphate on the Electrodeposition Process and Drug-Release Properties of Polypyrrole-Salicylate on Iron. <i>Journal of the Electrochemical Society</i> , 2019 , 166, G148-G155	3.9	
132	Effects of Na ⁺ , K ⁺ and B3 ⁺ Substitutions on the Electrical Properties of La ₁₀ Si ₆ O ₂₇ Ceramics. <i>Journal of Electronic Materials</i> , 2019 , 48, 6287-6297	1.9	3
131	Influence of the electrosynthesis conditions on the spontaneous release of anti-inflammatory salicylate during degradation of polypyrrole coated iron for biodegradable cardiovascular stent. <i>Electrochimica Acta</i> , 2019 , 320, 134612	6.7	3
130	Deposition and Electrical and Structural Properties of La _{0.6} Sr _{0.4} CoO ₃ Thin Films for Application in High-Temperature Electrochemical Cells. <i>Journal of Electronic Materials</i> , 2019 , 48, 5428-5441	1.9	3
129	Preparation of Hydrogen Electrodes of Solid Oxide Cells by Infiltration: Effects of the Preparation Procedure on the Resulting Microstructure. <i>Materials</i> , 2019 , 13,	3.5	2
128	Copper and cobalt co-doped ceria as an anode catalyst for DIR-SOFCs fueled by biogas. <i>Solid State Ionics</i> , 2019 , 330, 47-53	3.3	13
127	Electrochemical properties of porous Sr _{0.86} Ti _{0.65} Fe _{0.35} O ₃ oxygen electrodes in solid oxide cells: Impedance study of symmetrical electrodes. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1827-1838	6.7	13
126	Characteristics of La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O ₃ -supported micro-tubular solid oxide fuel cells with LaCo _{0.4} Ni _{0.6-x} Cu _x O ₃ - λ cathodes. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 5703-5713	6.7	3
125	Influence of yttria surface modification on high temperature corrosion of porous Ni ₂₂ Cr alloy. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 361-369	2	0
124	FFT analysis of temperature modulated semiconductor gas sensor response for the prediction of ammonia concentration under humidity interference. <i>Microelectronics Reliability</i> , 2018 , 84, 163-169	1.2	13
123	Praseodymium substituted lanthanum orthoniobate: Electrical and structural properties. <i>Ceramics International</i> , 2018 , 44, 8210-8215	5.1	14
122	The influence of synthesis method on the microstructure and catalytic performance of Y _{0.07} Sr _{0.93} Ti _{0.8} Fe _{0.2} O _{3-λ} in synthetic biogas operated solid oxide fuel cells. <i>Materials Research Bulletin</i> , 2018 , 100, 49-55	5.1	1
121	Study of the NO ₂ sensing mechanism of PEDOT-RGO film using in situ Raman Spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2018 , 260, 1025-1033	8.5	17
120	Structural and electrical properties of titanium-doped yttrium niobate. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 1186-1195	5.7	4
119	Evaluation of the Electronic Nose Used for Monitoring Environmental Pollution 2018 ,		4
118	Characteristics of LaCo _{0.4} Ni _{0.6-x} Cu _x O _{3-λ} ceramics as a cathode material for intermediate-temperature solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1654-1662	6.662	9
117	14th International Conference on Optical and Electronic Sensors COE λ 2016. <i>Measurement Science and Technology</i> , 2018 , 29, 010101	2	

116	In-situ odd random phase electrochemical impedance spectroscopy study on the electropolymerization of pyrrole on iron in the presence of sodium salicylate [The influence of the monomer concentration. <i>Electrochimica Acta</i> , 2018 , 290, 520-532	6.7	7
115	Evaluation of the Commercial Electrochemical Gas Sensors for the Monitoring of CO in Ambient Air 2018 ,		2
114	Low temperature deposition of dense MnCo ₂ O ₄ protective coatings for steel interconnects of solid oxide cells. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4576-4579	6	5
113	Effects of La content on the densification, microstructure, and conductivity of doped La ₁₀ Ge ₆ O ₂₆ electrolytes. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 84-93	2	1
112	Spray pyrolysis of doped-ceria barrier layers for solid oxide fuel cells. <i>Surface and Coatings Technology</i> , 2017 , 313, 168-176	4.4	7
111	Corrosion Study of Ceria Protective Layer Deposited by Spray Pyrolysis on Steel Interconnects. <i>Ceramic Engineering and Science Proceedings</i> , 2017 , 79-86	0.1	2
110	Nitrogen dioxide sensing properties of PEDOT polymer films. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 108-113	8.5	36
109	Graphene oxide, reduced graphene oxide and composite thin films NO ₂ sensing properties. <i>Measurement Science and Technology</i> , 2017 , 28, 054005	2	10
108	Status report on high temperature fuel cells in Poland [Recent advances and achievements. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4366-4403	6.7	46
107	Performance of a single layer fuel cell based on a mixed proton-electron conducting composite. <i>Journal of Power Sources</i> , 2017 , 353, 230-236	8.9	22
106	La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} oxygen electrodes for solid oxide cells prepared by polymer precursor and nitrates solution infiltration into gadolinium doped ceria backbone. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 3559-3564	6	16
105	Improved performance of LaNi _{0.6} Fe _{0.4} O ₃ solid oxide fuel cell cathode by application of a thin interface cathode functional layer. <i>Materials Letters</i> , 2017 , 189, 252-255	3.3	12
104	Tailoring the electrochemical degradation of iron protected with polypyrrole films for biodegradable cardiovascular stents. <i>Electrochimica Acta</i> , 2017 , 245, 327-336	6.7	13
103	High performance LaNi _{1-x} Co _x O _{3-δ} (x=[0.4 to 0.7]) infiltrated oxygen electrodes for reversible solid oxide cells. <i>Journal of Power Sources</i> , 2017 , 353, 67-76	8.9	28
102	Nanocrystalline cathode functional layer for SOFC. <i>Electrochimica Acta</i> , 2017 , 225, 168-174	6.7	12
101	Distribution of relaxation times as a method of separation and identification of complex processes measured by impedance spectroscopy 2017 ,		2
100	Influence of electropolymerization temperature on corrosion, morphological and electrical properties of PPy doped with salicylate on iron. <i>Surface and Coatings Technology</i> , 2017 , 328, 248-255	4.4	10
99	Recurrent potential pulse technique for improvement of glucose sensing ability of 3D polypyrrole. <i>Measurement Science and Technology</i> , 2017 , 28, 074004	2	2

98	CGO as a barrier layer between LSCF electrodes and YSZ electrolyte fabricated by spray pyrolysis for solid oxide fuel cells. <i>Solid State Ionics</i> , 2017 , 302, 113-117	3.3	16
97	An electronic nose based on the semiconducting and electrochemical gas sensors 2017 ,		3
96	Characteristics of La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O ₃ - δ -supported micro-tubular solid oxide fuel cells with bi-layer and tri-layer electrolytes. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 236-241		7
95	Time window based features extraction from temperature modulated gas sensors for prediction of ammonia concentration 2017 ,		1
94	Microstructure and Electrical Properties of Fe,Cu Substituted (Co,Mn) ₃ O ₄ Thin Films. <i>Crystals</i> , 2017 , 7, 185	2.3	16
93	Study of the electrochemical stability of polypyrrole coating on iron in sodium salicylate aqueous solution. <i>Synthetic Metals</i> , 2016 , 221, 1-7	3.6	10
92	Graphene oxide, reduced graphene oxide and composite thin films NO ₂ sensing properties 2016 ,		2
91	3D polypyrrole structures as a sensing material for glucose detection 2016 ,		2
90	Conductivity and viscosity changes of imidazolium ionic liquids induced by H ₂ O and CO ₂ . <i>Journal of Molecular Liquids</i> , 2016 , 221, 541-546	6	27
89	Influence of Sb-substitution on ionic transport in lanthanum orthoniobates. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11696-11707	13	22
88	Determination of the ionic conductivity of Sr-doped lanthanum manganite by modified Hebb-Wagner technique. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 91, 163-169	3.9	7
87	Laser patterned platform with PEDOT/graphene composite film for NO ₂ sensing. <i>Sensors and Actuators B: Chemical</i> , 2016 , 229, 155-165	8.5	23
86	High Temperature Corrosion Evaluation of Porous Hastelloy X Alloy in Air and Humidified Hydrogen Atmospheres. <i>Journal of the Electrochemical Society</i> , 2016 , 163, C296-C302	3.9	1
85	Low temperature processed MnCo ₂ O ₄ and MnCo _{1.8} Fe _{0.2} O ₄ as effective protective coatings for solid oxide fuel cell interconnects at 750°C. <i>Journal of Power Sources</i> , 2016 , 336, 408-418	8.9	50
84	Assesment of (Mn,Co) ₃ O ₄ powders for possible coating material for SOFC/SOEC interconnects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 104, 012017	0.4	8
83	Polypyrrole based gas sensor for ammonia detection. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 104, 012028	0.4	9
82	In-situ and ex-situ resistance measurements of polypyrrole film using double-band electrode. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 104, 012026	0.4	1
81	THE ROLE OF THIN FUNCTIONAL LAYERS IN SOLID OXIDE FUEL CELLS. <i>Electrochimica Acta</i> , 2016 , 204, 136-145	6.7	20

80	Electrochemical synthesis of 3D nano-/micro-structured porous polypyrrole. <i>Materials Letters</i> , 2016 , 183, 397-400	3.3	11
79	Influence of electropolymerization conditions on the morphological and electrical properties of PEDOT film. <i>Electrochimica Acta</i> , 2015 , 176, 156-161	6.7	34
78	Characterization of magnesium doped lanthanum orthoniobate synthesized by molten salt route. <i>Ceramics International</i> , 2015 , 41, 7847-7852	5.1	14
77	Investigation of thin perovskite layers between cathode and doped ceria used as buffer layer in solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1807-1815	2.6	16
76	High temperature corrosion and corrosion protection of porous Ni ₂₂ Cr alloys. <i>Surface and Coatings Technology</i> , 2015 , 261, 385-390	4.4	9
75	Electrochemical Activity and Electrical Properties of Optimized Polypyrrole Coatings on Iron. <i>Journal of the Electrochemical Society</i> , 2015 , 162, E307-E313	3.9	16
74	Three electrode configuration measurements of electrolyte-diffusion barrier-cathode interface. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 268-273	1	8
73	Investigation of catalytic layers on anode for solid oxide fuel cells operating with synthetic biogas. <i>Solid State Ionics</i> , 2015 , 271, 109-115	3.3	12
72	Determination of toxic gases based on the responses of a single electrocatalytic sensor and pattern recognition techniques. <i>Measurement Science and Technology</i> , 2014 , 25, 025101	2	3
71	Potentiometric Oxygen Sensor with Solid State Reference Electrode. <i>Metrology and Measurement Systems</i> , 2014 , 21, 205-216		11
70	Synthesis and Testing of BCZY/LNZ Mixed Proton-Electron Conducting Composites for Fuel Cell Applications. <i>Procedia Engineering</i> , 2014 , 98, 121-128		3
69	Interaction of SrTi _{0.65} Fe _{0.35} O _{3-δ} with LaNi _{0.6} Fe _{0.4} O _{3-δ} La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} and Ce _{0.8} Gd _{0.2} O _{2-δ} . <i>Procedia Engineering</i> , 2014 , 98, 101-104		2
68	Ceria Based Protective Coatings for Steel Interconnects Prepared by Spray Pyrolysis. <i>Procedia Engineering</i> , 2014 , 98, 93-100		16
67	Characterization of CaTi _{0.9} Fe _{0.1} O ₃ /La _{0.98} Mg _{0.02} NbO ₄ composite. <i>Open Physics</i> , 2013 , 11,	1.3	2
66	Investigation of sensing mechanism of Nasicon electrocatalytic sensors in nitrogen dioxide and ammonia. <i>Sensors and Actuators B: Chemical</i> , 2013 , 189, 141-145	8.5	5
65	Investigation of functional layers of solid oxide fuel cell anodes for synthetic biogas reforming. <i>Solid State Ionics</i> , 2013 , 251, 70-77	3.3	14
64	Efficiency of Linear and Non-Linear Classifiers for Gas Identification from Electrocatalytic Gas Sensor. <i>Metrology and Measurement Systems</i> , 2013 , 20, 501-512		14
63	Interactions between components of SrTi _{0.98} Nb _{0.02} O _{3-δ} /SZ and SrTi _{0.98} Nb _{0.02} O _{3-δ} /CeO ₂ composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 538-545	1.6	9

62	Application of wet powder spraying for anode supported solid oxide fuel cell with a perovskite SrTi _{0.98} Nb _{0.02} O _{3-δ} anode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 2736-2741	1.6	1
61	Structural and electrical properties of Sr(Ti, Fe)O _{3-δ} materials for SOFC cathodes. <i>Journal of Electroceramics</i> , 2012 , 28, 80-87	1.5	51
60	Staircase Voltammetry Application to Electrocatalytic Gas Sensor. <i>Procedia Engineering</i> , 2012 , 47, 1422-1425		1
59	Investigation of Sensing Mechanism of Nasicon Electrocatalytic Sensors in Nitrogen Dioxide and Ammonia. <i>Procedia Engineering</i> , 2012 , 47, 1418-1421		1
58	Conducting Polymer Microelectrodes Anchored to Hydrogel Films.. <i>ACS Macro Letters</i> , 2012 , 1, 400-403	6.6	29
57	Solid oxide fuel cells with Ni-infiltrated perovskite anode. <i>Solid State Ionics</i> , 2012 , 221, 11-14	3.3	22
56	Optimization of microstructure and properties of acceptor-doped barium cerate. <i>Solid State Ionics</i> , 2012 , 225, 245-249	3.3	14
55	Donor-substituted SrTi _{1+x} O _{3-δ} anodes for SOFC. <i>Solid State Ionics</i> , 2012 , 225, 118-123	3.3	13
54	The comparison of SrTi _{0.98} Nb _{0.02} O _{3-δ} CeO ₂ and SrTi _{0.98} Nb _{0.02} O _{3-δ} YSZ composites for use in SOFC anodes. <i>Journal of Electroceramics</i> , 2012 , 28, 132-138	1.5	13
53	Effective dielectric constant of two phase dielectric systems. <i>Journal of Electroceramics</i> , 2012 , 28, 185-190	5	3
52	Effective dielectric constant of two phase systems: Application to mixed conducting systems. <i>Journal of Applied Physics</i> , 2012 , 112, 034107	2.5	5
51	Effect of Cathode Materials on the Performance of Single Chamber Solid Oxide Fuel Cells and Module. <i>Ceramic Transactions</i> , 2012 , 39-47	0.1	
50	Perovskites in Solid Oxide Fuel Cells. <i>Solid State Phenomena</i> , 2011 , 183, 65-70	0.4	8
49	Solid electrolyte gas sensors based on cyclic voltammetry with one active electrode. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 18, 212007	0.4	4
48	Stainless Steel/Yttria Stabilized Zirconia Composite Supported Solid Oxide Fuel Cell. <i>Journal of Fuel Cell Science and Technology</i> , 2011 , 8,		8
47	Coatings for improvement of high temperature corrosion resistance of porous alloys. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 2707-2710	6	11
46	Metal Supported Solid Oxide Fuel Cells - Selected Aspects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 18, 132004	0.4	1
45	FABRICATION AND CHARACTERIZATION OF ANODE SUPPORTED SOLID OXIDE FUEL CELLS. <i>Functional Materials Letters</i> , 2011 , 04, 161-164	1.2	1

44	Impedance spectroscopy of BaTiO ₃ cubes suspended in lossy liquids as a physical model of two-phase system. <i>Journal of Applied Physics</i> , 2010 , 108, 074111	2.5	6
43	Structure and electrical properties of ceramic proton conductors obtained with molten-salt and solid-state synthesis methods. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1976-1979	3.9	10
42	Electrical and structural properties of Nb-doped SrTiO ₃ ceramics. <i>Journal of Electroceramics</i> , 2010 , 24, 326-330	1.5	56
41	High temperature oxidation of porous alloys for solid oxide fuel cell applications. <i>Solid State Ionics</i> , 2010 , 181, 1214-1220	3.3	35
40	Protective coatings for stainless steel for SOFC applications. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 1695-1700	2.6	25
39	Interaction of yttria stabilized zirconia electrolyte with Fe ₂ O ₃ and Cr ₂ O ₃ . <i>Journal of Power Sources</i> , 2009 , 194, 20-24	8.9	12
38	Conductivity improvement of Ce _{0.8} Gd _{0.2} O _{1.9} solid electrolyte. <i>Journal of Rare Earths</i> , 2009 , 27, 655-660	3.7	10
37	Evaluation of 316L porous stainless steel for SOFC support. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 757-762	6	29
36	Applications of spin coating of polymer precursor and slurry suspensions for Solid Oxide Fuel Cell fabrication. <i>Journal of Power Sources</i> , 2009 , 194, 10-15	8.9	21
35	Electrical properties of Y _{0.08} Sr _{0.92} Ti _{0.92} Nb _{0.08} O ₃ after reduction in different reducing conditions. <i>Journal of Alloys and Compounds</i> , 2009 , 473, 496-499	5.7	13
34	Micro solid oxide fuel cells and their fabrication methods. <i>Microelectronics International</i> , 2008 , 25, 42-48	0.8	10
33	Evaluation of porous 430L stainless steel for SOFC operation at intermediate temperatures. <i>Journal of Power Sources</i> , 2008 , 181, 31-37	8.9	79
32	Fabrication of solid oxide fuel cell supported on specially performed ferrite-based perovskite cathode. <i>Journal of Power Sources</i> , 2008 , 181, 1-7	8.9	33
31	Chemical Interaction between Perovskite La _{0.6} Sr _{0.4} FeO ₃ and Super-Ionic Zr _{0.84} Y _{0.16} O _x . <i>Acta Physica Polonica A</i> , 2008 , 114, 135-141	0.6	2
30	A Novel Technology of Solid Oxide Fuel Cell Fabrication 2007 , 61-84		
29	Composite (La, Sr)MnO ₃ /YSZ cathode for SOFC. <i>Solid State Ionics</i> , 2006 , 177, 2071-2074	3.3	77
28	Properties of a lithium solid electrolyte gas sensor based on reaction kinetics. <i>Measurement Science and Technology</i> , 2006 , 17, 17-21	2	45
27	Properties of a polyethyleneimine-based sensor for measuring medium and high relative humidity. <i>Measurement Science and Technology</i> , 2006 , 17, 12-16	2	30

26	Preparation and properties of nanoporous alumina-based humidity sensors 2006 , 6348, 58		2
25	Investigations of a new humidity sensor with polymer film 2006 ,		1
24	Electrical properties of nanocrystalline Sm-doped ceria ceramics. <i>Solid State Ionics</i> , 2006 , 177, 2509-2512,3		21
23	Performance of a Porous Electrolyte in Single-Chamber SOFCs. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A527	3.9	62
22	Low-Temperature Processed Anode for Solid Oxide Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A341		13
21	Lisicon solid electrolyte electrocatalytic gas sensor. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2969-2972	6	7
20	Impedance Studies of Diffusion Phenomena and Ionic and Electronic Conductivity of Cerium Oxide. <i>Journal of the Electrochemical Society</i> , 2005 , 152, J27	3.9	54
19	The Optical Properties and Band Gap Energy of Nanocrystalline La _{0.4} Sr _{0.6} TiO ₃ Thin Films. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1186-1189	3.8	5
18	Nanocomposite Nickel Ceria Cermet with Low Nickel Content for Anode-Supported SOFCs. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A219		17
17	Electrical Properties of YSZ Films Prepared by Net Shape Technology. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A454	3.9	18
16	Low-Temperature Processing of Thin-Film Electrolyte for Electrochemical Devices. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, A138		16
15	Single Chamber Electrolyte Supported SOFC Module. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, A391		25
14	Anode Supported Single Chamber Solid Oxide Fuel Cell in CH ₄ -Air Mixture. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1473	3.9	51
13	The microstructure effect on the electrical and optical properties of undoped and Sr-doped SmCoO ₃ thin films. <i>Solid State Ionics</i> , 2004 , 175, 437-439	3.3	5
12	Impedance spectroscopy of single chamber SOFC. <i>Solid State Ionics</i> , 2004 , 175, 35-38	3.3	26
11	Role of Composite Cathodes in Single Chamber SOFC. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1678	3.9	38
10	Electrocatalytic nitrogen dioxide sensor 2004 ,		3
9	Computer simulation of current voltage response of electrocatalytic sensor 2003 ,		3

8	Nanocrystalline undoped ceria oxygen sensor. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 73-77	8.5	424
7	The influence of the choice of the cross-linking agent on the electrical properties of polyethyleneimine-based humidity sensors 2003 , 5124, 138		3
6	Optical and electrical properties of Pr _{0.8} Sr _{0.2} MnO ₃ thin films. <i>Journal of Applied Physics</i> , 2003 , 93, 6223-6228	6.28	12
5	Simultaneous detection of sulphur dioxide and nitrogen dioxide by Nasicon sensor with platinum electrodes. <i>Ionics</i> , 2000 , 6, 230-234	2.7	11
4	Thick film sensor based on NASICON for gas mixture detection. <i>Ionics</i> , 1999 , 5, 64-69	2.7	4
3	The Optical and Electrical Properties of Nanocrystalline La _{0.4} Sr _{0.6} TiO ₃ Thin Films. <i>Ceramic Transactions</i> , 67-75	0.1	
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