## Frank Tietz

# 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.

186
papers

8,247
citations

51
h-index

85
g-index

200
ext. papers

4.6
ext. citations

4.6
avg, IF

L-index

#	Paper	IF	Citations
186	Conductivity, microstructure and mechanical properties of tape-cast LATP with LiF and SiO2 additives. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 925-938	4.3	2
185	Fabrication of thin sheets of the sodium superionic conductor Na5YSi4O12 with tape casting. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134774	14.7	1
184	A niobium-substituted sodium superionic conductor with conductivity higher than 5.5 mS cml prepared by solution-assisted solid-state reaction method. <i>Journal of Power Sources</i> , <b>2022</b> , 518, 230765	8.9	1
183	Phase-field Determination of NaSICON Materials in the Quaternary System Na O-P O -SiO -ZrO : The Series Na Zr Si P O. <i>ChemPhysChem</i> , <b>2021</b> , 22, 995-1007	3.2	1
182	A robust, highly reversible, mixed conducting sodium metal anode. <i>Science Bulletin</i> , <b>2021</b> , 66, 179-186	10.6	9
181	Ionic Conductivity of Na3V2P3O12 as a Function of Electrochemical Potential and its Impact on Battery Performance. <i>Batteries and Supercaps</i> , <b>2021</b> , 4, 479-484	5.6	5
180	Solid-State Electrolyte Materials for Sodium Batteries: Towards Practical Applications. <i>ChemElectroChem</i> , <b>2020</b> , 7, 2693-2713	4.3	27
179	Structure and ion transport of lithium-rich Li1+xAlxTi2⊠(PO4)3 with 0.3. <i>Solid State Ionics</i> , <b>2020</b> , 346, 115192	3.3	14
178	Microstructure, ionic conductivity and mechanical properties of tape-cast Li1.5Al0.5Ti1.5P3O12 electrolyte sheets. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 1975-1982	6	7
177	Na+ ion mobility in Na3+Sc2(SiO4) (PO4)3[[0.1[] <i>Solid State Ionics</i> , <b>2020</b> , 348, 115277	3.3	3
176	Dendrite-tolerant all-solid-state sodium batteries and an important mechanism of metal self-diffusion. <i>Journal of Power Sources</i> , <b>2020</b> , 476, 228666	8.9	10
175	Polyanionic Lattice Modifications Leading to High-Entropy Sodium Ion Conductors: Mathematical Solution of Accessible Compositions. <i>ChemPhysChem</i> , <b>2020</b> , 21, 2096-2103	3.2	2
174	Room-temperature all-solid-state sodium batteries with robust ceramic interface between rigid electrolyte and electrode materials. <i>Nano Energy</i> , <b>2019</b> , 65, 104040	17.1	26
173	Electrochemical Performance of All-Solid-State Sodium-Ion Model Cells with Crystalline NaxCoO2 Thin-Film Cathodes. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A5328-A5332	3.9	9
172	A garnet structure-based all-solid-state Li battery without interface modification: resolving incompatibility issues on positive electrodes. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 280-291	5.8	81
171	Impact of sintering temperature on phase formation, microstructure, crystallinity and ionic conductivity of Li1.5Al0.5Ti1.5(PO4)3. <i>Solid State Ionics</i> , <b>2019</b> , 338, 144-152	3.3	14
170	Room temperature demonstration of a sodium superionic conductor with grain conductivity in excess of 0.01 S cm[] and its primary applications in symmetric battery cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7766-7776	13	57

## (2017-2019)

169	Sintering of a sodium-based NASICON electrolyte: A comparative study between cold, field assisted and conventional sintering methods. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 2697-2702	6	21	
168	Impact of sodium excess on electrical conductivity of Na3Zr2Si2PO12 + x Na2O ceramics. <i>Solid State Ionics</i> , <b>2019</b> , 336, 57-66	3.3	16	
167	Prospects of production technologies and manufacturing costs of oxide-based all-solid-state lithium batteries. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1818-1833	35.4	63	
166	MicrostructureBonductivity relationship of Na3Zr2(SiO4)2(PO4) ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 1057-1070	3.8	18	
165	Micromechanical assessment of Al/Y-substituted NASICON solid electrolytes. <i>Ceramics International</i> , <b>2019</b> , 45, 21308-21314	5.1	9	
164	Sc-substituted Nasicon solid electrolyte for an all-solid-state NaxCoO2/Nasicon/Na sodium model battery with stable electrochemical performance. <i>Journal of Power Sources</i> , <b>2019</b> , 409, 86-93	8.9	27	
163	Interfaces in solid-state sodium-ion batteries: NaCoO2 thin films on solid electrolyte substrates. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 226-233	6.7	13	
162	Arrhenius Behavior of the Bulk Na-Ion Conductivity in NaSc(PO) Single Crystals Observed by Microcontact Impedance Spectroscopy. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1776-1781	9.6	14	
161	Synthesis and characterization of equimolar Al/Y-substituted NASICON solid solution Na1+2x+yAlxYxZr2🗹xSiyP3 JO12. <i>Solid State Ionics</i> , <b>2018</b> , 319, 13-21	3.3	15	
160	Structural and transport properties of lithium-conducting NASICON materials. <i>Journal of Power Sources</i> , <b>2018</b> , 391, 1-9	8.9	41	
159	Bulk and grain-boundary ionic conductivity in sodium zirconophosphosilicate Na3Zr2(SiO4)2PO4 (NASICON). <i>Chemical Physics Letters</i> , <b>2018</b> , 701, 147-150	2.5	20	
158	Compatibility study of oxide and olivine cathode materials with lithium aluminum titanium phosphate. <i>Ionics</i> , <b>2018</b> , 24, 1001-1006	2.7	21	
157	Coefficients of Thermal Expansion of Al- and Y-Substituted NaSICON Solid Solution Na3+2xAlxYxZr2🛮xSi2PO12. <i>Batteries</i> , <b>2018</b> , 4, 33	5.7	10	
156	In-operando photoelectron spectroscopy for batteries: Set-up using pristine thin film cathode and first results on NaCoO. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 073104	1.7	19	
155	Fast Na ion transport triggered by rapid ion exchange on local length scales. <i>Scientific Reports</i> , <b>2018</b> , 8, 11970	4.9	16	
154	Characterization and Optimization of La0.97Ni0.5Co0.5O3EBased Air-Electrodes for Solid Oxide Cells. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2784-2792	6.1	4	
153	The influence of water on the electrical conductivity of aluminum-substituted lithium titanium phosphates. <i>Solid State Ionics</i> , <b>2018</b> , 321, 83-90	3.3	28	
152	Stability of NASICON materials against water and CO 2 uptake. <i>Solid State Ionics</i> , <b>2017</b> , 302, 102-106	3.3	25	

151	Structure and Vibrational Dynamics of NASICON-Type LiTi2(PO4)3. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 3697-3706	3.8	29
150	Investigation of crystal structure and ionic transport in a scandium-based NASICON material by neutron powder diffraction. <i>Solid State Sciences</i> , <b>2017</b> , 67, 30-36	3.4	10
149	Fast Na+ Ion Conduction in NASICON-Type Na3.4Sc2(SiO4)0.4(PO4)2.6 Observed by 23Na NMR Relaxometry. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 1449-1454	3.8	27
148	A MBsbauer spectral study of degradation in La0.58Sr0.4Fe0.5Co0.5O3lafter long-term operation in solid oxide electrolysis cells. <i>Solid State Ionics</i> , <b>2017</b> , 312, 38-43	3.3	12
147	Na3Zr2(SiO4)2(PO4) prepared by a solution-assisted solid state reaction. <i>Solid State Ionics</i> , <b>2017</b> , 302, 83-91	3.3	53
146	Phase relations of NASICON materials and compilation of the quaternary phase diagram Na2O-P2O5-SiO2-ZrO2. <i>AIMS Materials Science</i> , <b>2017</b> , 4, 1305-1318	1.9	5
145	Atomic layer deposition and high-resolution electron microscopy characterization of nickel nanoparticles for catalyst applications. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 428-435	4.4	6
144	A single crystal X-ray and powder neutron diffraction study on NASICON-type Li1+Al Ti2(PO4)3 (OILID.5) crystals: Implications on ionic conductivity. <i>Solid State Sciences</i> , <b>2016</b> , 60, 99-107	3.4	34
143	A Novel Sol <b>G</b> el Method for Large-Scale Production of Nanopowders: Preparation of Li1.5Al0.5Ti1.5(PO4)3 as an Example. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 410-414	3.8	50
142	New promising NASICON material as solid electrolyte for sodium-ion batteries: Correlation between composition, crystal structure and ionic conductivity of Na3 + xSc2SixP3 IxO12. <i>Solid State Ionics</i> , <b>2016</b> , 293, 18-26	3.3	74
141	Scandium-Substituted Na3Zr2(SiO4)2(PO4) Prepared by a Solution-Assisted Solid-State Reaction Method as Sodium-Ion Conductors. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4821-4828	9.6	146
140	A Simple Approach towards High-Performance Perovskite-Based Bifunctional Oxygen Electrocatalysts. <i>ChemElectroChem</i> , <b>2016</b> , 3, 138-143	4.3	33
139	Material properties of perovskites in the quasi-ternary system LaFeO3[laCoO3[laNiO3. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 237, 183-191	3.3	11
138	Interconnects <b>2016</b> , 195-254		14
137	A microcontact impedance study on NASICON-type Li1+xAlxTi2½(PO4)3 (0 ½ 🛈.5) single crystals. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1506-1513	13	74
136	Perovskite-based bifunctional electrocatalysts for oxygen evolution and oxygen reduction in alkaline electrolytes. <i>Electrochimica Acta</i> , <b>2016</b> , 208, 25-32	6.7	53
135	Solid-State NMR Investigations on the Structure and Dynamics of the Ionic Conductor Li1+xAlxTi2I(PO4)3 (0.0 Ix II.0). <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 8436-8442	3.8	31
134	Post-test analysis of electrode-supported solid oxide electrolyser cells. <i>Ionics</i> , <b>2015</b> , 21, 1039-1043	2.7	15

## (2013-2015)

133	High conductivity of mixed phase Al-substituted Li7La3Zr2O12. <i>Journal of Electroceramics</i> , <b>2015</b> , 35, 25-32	1.5	41
132	Crystal structure and high-temperature properties of the Ruddlesden <b>B</b> opper phases Sr3\(\mathbb{R}\)(Fe1.25\(\mathbb{N}\)io.75)\(\O7\(\mathbb{Q}\)0\(\mathbb{D}\).75). Journal of Solid State Chemistry, <b>2015</b> , 227, 45-54	3.3	9
131	Separating bulk from grain boundary Li ion conductivity in the solgel prepared solid electrolyte Li1.5Al0.5Ti1.5(PO4)3. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21343-21350	13	101
130	Systematic Parameter Study on the Influence of Humidification and Current Density on SOEC Degradation. <i>ECS Transactions</i> , <b>2015</b> , 68, 3553-3561	1	8
129	Modified strontium titanates: from defect chemistry to SOFC anodes. <i>RSC Advances</i> , <b>2015</b> , 5, 1168-1180	03.7	65
128	Very fast bulk Li ion diffusivity in crystalline Li(1.5)Al(0.5)Ti(1.5)(PO4)3 as seen using NMR relaxometry. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 32115-21	3.6	59
127	Microstructural comparison of solid oxide electrolyser cells operated for 6100[h and 9000[h. <i>Journal of Power Sources</i> , <b>2015</b> , 275, 901-911	8.9	73
126	Survey of the transport properties of sodium superionic conductor materials for use in sodium batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 1056-1064	8.9	155
125	Microstructural variations and their influence on the performance of solid oxide fuel cells based on yttrium-substituted strontium titanate ceramic anodes. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 678-685	8.9	14
124	Neutron Diffraction Analysis of NASICON-type Li1+xAlxTi2\P3O12. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 3070-3073	1.3	18
123	Activation of oxygen evolving perovskites for oxygen reduction by functionalization with Fe-N(x)/C groups. <i>Chemical Communications</i> , <b>2014</b> , 50, 14760-2	5.8	64
122	Evaluation of perovskites as electrocatalysts for the oxygen evolution reaction. <i>ChemPhysChem</i> , <b>2014</b> , 15, 2810-6	3.2	61
121	Towards the fabrication of La0.98\squaresrc00.2Fe0.8O3\squaresrc00.2Fe0.	6	43
120	Electrochemical performance and stability of electrolyte-supported solid oxide fuel cells based on Y-substituted SrTiO3 ceramic anodes. <i>Solid State Ionics</i> , <b>2014</b> , 262, 465-468	3.3	11
119	Full Ceramic Fuel Cells Based on Strontium Titanate Anodes, an Approach towards More Robust SOFCs. <i>ECS Transactions</i> , <b>2013</b> , 57, 1175-1184	1	10
118	Degradation phenomena in a solid oxide electrolysis cell after 9000 fb operation. <i>Journal of Power Sources</i> , <b>2013</b> , 223, 129-135	8.9	195
117	Synthesis and Raman micro-spectroscopy investigation of Li7La3Zr2O12. <i>Solid State Ionics</i> , <b>2013</b> , 230, 77-82	3.3	89
116	Overview on the Julich SOFC Development Status. <i>ECS Transactions</i> , <b>2013</b> , 57, 23-33	1	21

115	Magnetron-sputtered cobalt-based protective coatings on ferritic steels for solid oxide fuel cell interconnect applications. <i>Corrosion Science</i> , <b>2012</b> , 54, 68-76	6.8	36
114	Comparison of Y and La-substituted SrTiO3 as the anode materials for SOFCs. <i>Solid State Ionics</i> , <b>2012</b> , 225, 108-112	3.3	32
113	Pulsed Laser Deposition and DC-Sputtering of Yttria Stabilised Zirconia for Solid Oxide Fuel Cell Applications. <i>Ceramic Transactions</i> , <b>2012</b> , 117-126	0.1	
112	Properties of tape-cast Y-substituted strontium titanate for planar anode substrates in SOFC applications. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 3493-3499	4.3	14
111	Electrochemical performances of solid oxide fuel cells based on Y-substituted SrTiO3 ceramic anode materials. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 7308-7312	8.9	51
110	Performance analysis of mixed ionic lectronic conducting cathodes in anode supported cells. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 7257-7262	8.9	28
109	Electrodeposited cobalt coating on Crofer22APU steels for interconnect applications in solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2011</b> , 192, 376-382	3.3	29
108	Nonstoichiometric Y-substituted SrTiO3 materials as anodes for solid oxide fuel cells. <i>Solid State lonics</i> , <b>2011</b> , 192, 535-539	3.3	42
107	MBsbauer spectroscopy in the system La0.8Sr0.2(Mn,Fe,Co)O3. <i>Solid State Ionics</i> , <b>2011</b> , 192, 552-556	3.3	3
106	Post-Test Characterization of an SOFC Short-Stack after 17,000 Hours of Steady Operation. <i>ECS Transactions</i> , <b>2011</b> , 35, 195-206	1	42
105	Nine Thousand Hours of Operation of a Solid Oxide Cell in Steam Electrolysis Mode. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 159, A137-A144	3.9	80
104	Time-Dependent Electrode Performance Changes in Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, B292	3.9	65
103	Various Lanthanum Ferrite-Based Cathode Materials With Ni and Cu Substitution for Anode-Supported Solid Oxide Fuel Cells. <i>Journal of Fuel Cell Science and Technology</i> , <b>2010</b> , 7,		9
102	Materials and manufacturing technologies for solid oxide fuel cells. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 3109-3135	4.3	206
101	Y-substituted SrTiO3MSZ composites as anode materials for solid oxide fuel cells: Interaction between SYT and YSZ. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 1920-1925	8.9	50
100	Anode-supported planar SOFC with high performance and redox stability. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1326-1328	5.1	54
99	Characterization of Anode-Supported Solid Oxide Fuel Cells With Nd2NiO4 Cathodes. <i>Journal of Fuel Cell Science and Technology</i> , <b>2009</b> , 6,		4
98	Real-SOFC - A Joint European Effort to Improve SOFC Durability. <i>ECS Transactions</i> , <b>2009</b> , 25, 43-56	1	11

97	AC Impedance Characterisation of a La0.8Sr0.2Co0.2Fe0.8O3 Electrode. Fuel Cells, 2009, 9, 852-860	2.9	68
96	Metal/Ceramic Interface Properties and Their Effects on SOFC Development. Fuel Cells, 2009, 9, 867-87	7 <b>2</b> 2.9	9
95	Development and characterization of a quasi-ternary diagram based on La0.8Sr0.2(Co,Cu,Fe)O3 oxides in view of application as a cathode contact material for solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2009</b> , 180, 731-737	3.3	15
94	Investigation of the quasi-ternary system LaMnO3IIaCoO3IIaCuO3III: The series LaMn0.25II Co0.75II Cu2x O3IIand LaMn0.75II Co0.25II Cu2x O3II <i>Journal of Materials Science</i> , <b>2009</b> , 44, 4883-4891	4.3	5
93	Comparative study of perovskites as cathode contact materials between an La0.8Sr0.2FeO3 cathode and a Crofer22APU interconnect in solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2009</b> , 188, 148-155	8.9	55
92	Long-Term Study of MIEC Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. <i>ECS Transactions</i> , <b>2009</b> , 25, 2381-2390	1	7
91	Advances in Research, Development, and Testing of Single Cells at Forschungszentrum Jūch. <i>Journal of Fuel Cell Science and Technology</i> , <b>2009</b> , 6,		13
90	Spinel and Perovskite Protection Layers Between Crofer22APU and La[sub 0.8]Sr[sub 0.2]FeO[sub 3] Cathode Materials for SOFC Interconnects. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B188	3.9	45
89	Characterization of Anode-Supported Solid Oxide Fuel Cells With PSCF Cathode. <i>Journal of Fuel Cell Science and Technology</i> , <b>2009</b> , 6,		7
88	Solid Oxide Fuel Cells <b>2008</b> , 1-8		2
87	Screening of A-Substitution in the System A[sub 0.68]Sr[sub 0.3]Fe[sub 0.8]Co[sub 0.2]O[sub 3]I for SOFC Cathodes. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B207	3.9	52
86	MnCo1.9Fe0.1O4 spinel protection layer on commercial ferritic steels for interconnect applications in solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2008</b> , 184, 172-179	8.9	81
85	Physical characterization of Y2O3teO2tiO2 (YCT) mixed oxides and Ni/YCT cermets as anodes in solid oxide fuel cells. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 7057-7065	4.3	6
84	Ceramic-based Anode Materials for Improved Redox Cycling of Solid Oxide Fuel Cells. <i>Fuel Cells</i> , <b>2008</b> , 8, 283-293	2.9	80
83	Interface reactions between electrically conductive ceramics and ferritic steel-I. The system CrI2FeI.5Mn/Mn2O3/(La,Ca)(Cr,Co,Cu)O3. Materials Science and Engineering B: Solid-State	3.1	12
	Materials for Advanced Technology, <b>2008</b> , 150, 135-140	<i></i>	
82		6	68
82	Materials for Advanced Technology, 2008, 150, 135-140  Influence of sintering conditions on microstructure and electrical conductivity of		68

79	Solid Oxide Fuel Cell Development at Forschungszentrum Juelich. Fuel Cells, 2007, 7, 204-210	2.9	41
78	An efficient ceramic-based anode for solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2007</b> , 171, 663-669	98.9	68
77	Materials Development for Advanced Planar Solid Oxide Fuel Cells. <i>International Journal of Applied Ceramic Technology</i> , <b>2007</b> , 4, 436-445	2	54
76	Chemical and physical properties of complex perovskites in the La0.8Sr0.2MnO3 <b>I</b> la0.8Sr0.2CuO2.4+ <b>I</b> la0.8Sr0.2FeO3 <b>I</b> system. <i>Solid State Sciences</i> , <b>2007</b> , 9, 706-712	3.4	7
75	Mixed conducting oxides YxZr1₪TiyO2៧/2 (YZT) and corresponding Ni/YZT cermets as anode materials in an SOFC. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 10152-10159	4.3	12
74	Use of SOFC Metallic Interconnect Coated with Spinel Protective Layers using the APS Technology. <i>ECS Transactions</i> , <b>2007</b> , 7, 2399-2405	1	30
73	Survey of the quasi-ternary system La0.8Sr0.2MnO3[la0.8Sr0.2CoO3[la0.8Sr0.2FeO3. <i>Progress in Solid State Chemistry</i> , <b>2007</b> , 35, 539-543	8	19
72	Comparison of the Power Generating Characteristics of KIST- and FZ-Julich SOFCs. <i>Journal of the Korean Ceramic Society</i> , <b>2007</b> , 44, 703-709	2.2	
71	Electrical conductivity and thermal expansion of La0.8Sr0.2(Mn,Fe,Co)O3-Tperovskites. <i>Solid State Ionics</i> , <b>2006</b> , 177, 1753-1756	3.3	67
70	Solid Oxide Fuel Cell Performance under Severe Operating Conditions. Fuel Cells, 2006, 6, 130-136	2.9	51
69	La[sub 0.4]Sr[sub 0.6]Ti[sub 1½]Mn[sub x]O[sub 3‡Perovskites as Anode Materials for Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, D74	3.9	126
68	Overview of the Development of Solid Oxide Fuel Cells at Forschungszentrum Juelich. <i>International Journal of Applied Ceramic Technology</i> , <b>2006</b> , 3, 470-476	2	33
67	Performance of LSCF cathodes in cell tests. <i>Journal of Power Sources</i> , <b>2006</b> , 156, 20-22	8.9	174
66	Ferrite-based perovskites as cathode materials for anode-supported solid oxide fuel cellsPart II. Influence of the CGO interlayer. <i>Solid State Ionics</i> , <b>2006</b> , 177, 2103-2107	3.3	147
65	Evaluation of Sr- and Mn-substituted LaAlO3 as potential SOFC anode materials. <i>Solid State Ionics</i> , <b>2006</b> , 177, 1059-1069	3.3	33
64	Synthesis and electrical conductivity of Sr- and Mn-substituted LaAlO3 as a possible SOFC anode material. <i>Solid State Ionics</i> , <b>2006</b> , 177, 1819-1822	3.3	10
63	Time-dependent performance of mixed-conducting SOFC cathodes. Solid State Ionics, 2006, 177, 1965-1	9698	134
62	Synthesis and investigations on the stability of La0.8Sr0.2CuO2.4+lat high temperatures. <i>Solid State Ionics</i> , <b>2006</b> , 177, 3205-3210	3.3	11

## (2003-2006)

61	Electrochemical characterization of perovskite-based SOFC cathodes. <i>Journal of Applied Electrochemistry</i> , <b>2006</b> , 37, 15-20	2.6	39
60	10 years of materials research for solid oxide fuel cells at forschungszentrum jlch. <i>Journal of Electroceramics</i> , <b>2006</b> , 17, 701-707	1.5	27
59	Optimisation of processing and microstructural parameters of LSM cathodes to improve the electrochemical performance of anode-supported SOFCs. <i>Journal of Power Sources</i> , <b>2005</b> , 141, 216-226	8.9	185
58	Ferrite-based perovskites as cathode materials for anode-supported solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2005</b> , 176, 1341-1350	3.3	354
57	Simplified processing of anode-supported thin film planar solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 463-471	6	82
56	Interfacial properties and structure stability of Ni/Y2 O3-ZrO2-TiO2 cermet anodes for solid oxide fuel cells. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 2471-2475	4.3	28
55	Components manufacturing for solid oxide fuel cells <b>2005</b> , 249-259		1
54	Statistical design of experiments for evaluation of YIrII oxides as anode materials in solid oxide fuel cells. <i>Advances in Applied Ceramics</i> , <b>2004</b> , 103, 202-210		8
53	Thermal Stability of Lanthanum Zirconate Plasma-Sprayed Coating. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 2086-2090	3.8	215
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44	Influence of electrode contacts on conductivity measurements of thin YSZ electrolyte films and the impact on solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2003</b> , 164, 121-129	3.3	41

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