

# Indrek Kivi

## List of Publications by Year in descending order

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25  
papers

157  
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1307594

7  
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1199594

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of the crystallographic expansion of GSC and LSC porous electrodes. Fuel Cells, 2021, 21, 290.	2.4	0
2	Influence of Sr <sup>2+</sup> Concentration and A-Site Deficiency on Surface Stability of (La <sub>1-y</sub> Sr <sub>y</sub> ) <sub>0.5</sub> Mn <sub>0.45</sub> Ni <sub>0.05</sub> O <sub>3-<math>\delta</math></sub> . ECS Transactions, 2021, 103, 1907-1915.	0.5	0
3	Electrical Properties of Novel La <sub>0.2</sub> Sr <sub>0.7-x</sub> Ca <sub>x</sub> Ti <sub>0.95</sub> Fe <sub>0.05</sub> O <sub>3-<math>\delta</math></sub> Based Fuel Electrode for Solid Oxide Cell. ECS Transactions, 2021, 103, 1971-1979.	0.5	1
4	Influence of the Ti Content on the Electrochemical Performance and Surface Properties of (La <sub>0.6</sub> Sr <sub>0.4</sub> ) <sub>0.99</sub> Co <sub>1-x</sub> Ti <sub>x</sub> O <sub>3-<math>\delta</math></sub> Oxygen Electrode. ECS Transactions, 2021, 103, 1433-1444.	0.5	0
5	Influence of Humidity and Carbon Dioxide on the (La <sub>0.6</sub> Sr <sub>0.4</sub> ) <sub>0.99</sub> Co <sub>1-x</sub> M <sub>x</sub> O <sub>3-<math>\delta</math></sub> (M = Nb, Ti) Oxygen Electrode Characteristics. ECS Transactions, 2019, 91, 1453-1460.	0.5	1
6	Operando NAP-HT-XPS and Impedance Spectroscopy Study of Pulsed Laser Deposited Ni-Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> Solid Oxide Fuel Cell Electrode. ECS Transactions, 2019, 91, 555-561.	0.5	1
7	Electrochemical- and Crystallographic <i>in Operando</i> Characterization of La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.3</sub> Ni <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> Anode Infiltrated into Sc <sub>0.2</sub> Ce <sub>0.01</sub> Zr <sub>0.79</sub> O <sub>2-<math>\delta</math></sub> Electrolyte. ECS Transactions, 2019, 91, 1683-1693.	0.5	2
8	Near ambient pressure X-ray photoelectron - and impedance spectroscopy study of NiO - Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> anode reduction using a novel dual-chamber spectroelectrochemical cell. Journal of Power Sources, 2018, 378, 589-596.	7.8	20
9	Simultaneous Operando Characterization of Crystallographic and Electrochemical Properties of Ni-Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> Solid Oxide Fuel Cell Anode. Journal of the Electrochemical Society, 2018, 165, F1043-F1050.	2.9	14
10	Development of Ceramic Materials and Application of Novel Physical Analysis Methods to Enhance Solid Oxide Fuel Cells and Solid Oxide Electrolysis Cells. ECS Transactions, 2017, 78, 3229-3236.	0.5	0
11	Changes in SOFC Cathode Crystallographic Structure Induced by Oxygen Deficiency in Cathode Room. ECS Transactions, 2017, 78, 897-903.	0.5	1
12	In Operando Electrochemical High-Temperature X-Ray Diffraction Study of Ni-Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> Redox Properties. ECS Transactions, 2017, 78, 1139-1148.	0.5	1
13	Influence of Cathode Thickness on the Oxygen Reduction Kinetics at the Intermediate Temperature SOFC Cathodes. ECS Transactions, 2011, 35, 2349-2355.	0.5	2
14	Medium Temperature Solid Oxide Fuel Cells Based on Supporting Porous Anode and Bilayered Electrolyte. ECS Transactions, 2011, 35, 333-342.	0.5	0
15	Optimization of Solid Oxide Fuel Cell Ni-CGO Anode Porosity. ECS Transactions, 2011, 35, 1771-1779.	0.5	2
16	Development of Purification Methods of Rare Earth Compounds for Preparation of More Cost Effective Solid Oxide Fuel Cell Cathodes. ECS Transactions, 2011, 35, 2227-2232.	0.5	2
17	Effect of Cell Geometry on the Electrochemical Parameters of Solid Oxide Fuel Cell Cathodes. Journal of the Electrochemical Society, 2009, 156, B345.	2.9	17
18	Statistical method to optimize the medium temperature solid oxide fuel cell electrode materials. Journal of Electroanalytical Chemistry, 2009, 629, 94-101.	3.8	37

#	ARTICLE	IF	CITATIONS
19	Influence of Cathode Porosity on the Characteristics of Medium-Temperature SOFC Single Cells. ECS Transactions, 2008, 12, 293-302.	0.5	4
20	Influence of Cathode Porosity and Potential on Oxygen Reduction Kinetics at Intermediate Temperature SOFCs Cathodes. ECS Transactions, 2007, 7, 1071-1080.	0.5	3
21	Influence of Mesoporosity of the Anode on the Characteristics of Mediumtemperature SOFC Single Cells. ECS Transactions, 2007, 7, 1609-1616.	0.5	6
22	Influence of Electrode Porosity and Potential of the Oxygen Reduction Kinetics on the Intermediate Temperature SOFCs Cathodes. ECS Transactions, 2007, 5, 423-434.	0.5	0
23	Electrochemical characteristics of $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}   \text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta} + \text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$ half-cell. Journal of Solid State Electrochemistry, 2005, 9, 674-683.	2.5	11
24	Electrochemical characteristics of $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ , $\text{Pr}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ and $\text{Gd}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ on $\text{Ce}_{0.85}\text{Sm}_{0.15}\text{O}_{1.925}$ electrolyte. Journal of Solid State Electrochemistry, 2005, 9, 882-889.	2.5	15
25	Optimization of the Cathode Composition for the Intermediate-Temperature SOFC. Journal of the Electrochemical Society, 2005, 152, A2306.	2.9	17