

# Indrek Kivi

## List of Publications by Year in descending order

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25  
papers

157  
citations

1307594

7  
h-index

1199594

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical method to optimize the medium temperature solid oxide fuel cell electrode materials. Journal of Electroanalytical Chemistry, 2009, 629, 94-101.	3.8	37
2	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
3	Optimization of the Cathode Composition for the Intermediate-Temperature SOFC. Journal of the Electrochemical Society, 2005, 152, A2306.	2.9	17
4	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
5	Electrochemical characteristics of La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> , Pr <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> and Gd <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> on Ce <sub>0.85</sub> Sm <sub>0.15</sub> O <sub>1.925</sub> electrolyte. Journal of Solid State Electrochemistry, 2005, 9, 882-889.	2.5	15
6	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
7	Electrochemical characteristics of Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>1.9</sub>   La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> + Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>1.9</sub> half-cell. Journal of Solid State Electrochemistry, 2005, 9, 674-683.	2.5	11
8	Influence of Mesoporosity of the Anode on the Characteristics of Mediumtemperature SOFC Single Cells. ECS Transactions, 2007, 7, 1609-1616.	0.5	6
9	Influence of Cathode Porosity on the Characteristics of Medium-Temperature SOFC Single Cells. ECS Transactions, 2008, 12, 293-302.	0.5	4
10	Influence of Cathode Porosity and Potential on Oxygen Reduction Kinetics at Intermediate Temperature SOFCs Cathodes. ECS Transactions, 2007, 7, 1071-1080.	0.5	3
11	Influence of Cathode Thickness on the Oxygen Reduction Kinetics at the Intermediate Temperature SOFC Cathodes. ECS Transactions, 2011, 35, 2349-2355.	0.5	2
12	Optimization of Solid Oxide Fuel Cell Ni-CGO Anode Porosity. ECS Transactions, 2011, 35, 1771-1779.	0.5	2
13	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
14	Electrochemical- and Crystallographic <i>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 Scaffold. ECS Transactions, 2019, 91, 1683-1692.	0.5	2
15	Changes in SOFC Cathode Crystallographic Structure Induced by Oxygen Deficiency in Cathode Room. ECS Transactions, 2017, 78, 897-903.	0.5	1
16	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
17	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> MxO <sub>3-<math>\delta</math></sub> (M = Nb, Ti) Oxygen Electrode Characteristics. ECS Transactions, 2019, 91, 1453-1460.	0.5	1
18	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

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19	Electrical Properties of Novel $\text{La}_{0.2}\text{Sr}_{0.7-x}\text{Ca}_x\text{Ti}_{0.95}\text{Fe}_{0.05}\text{O}_{3-\delta}$ Based Fuel Electrode for Solid Oxide Cell. ECS Transactions, 2021, 103, 1971-1979.	0.5	1
20	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
21	Medium Temperature Solid Oxide Fuel Cells Based on Supporting Porous Anode and Bilayered Electrolyte. ECS Transactions, 2011, 35, 333-342.	0.5	0
22	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
23	Comparative study of the crystallographic expansion of GSC and LSC porous electrodes. Fuel Cells, 2021, 21, 290.	2.4	0
24	Influence of $\text{Sr}^{2+}$ Concentration and A-Site Deficiency on Surface Stability of $(\text{La}_{1-y}\text{Sr}_y)_x\text{Cr}_{0.5}\text{Mn}_{0.45}\text{Ni}_{0.05}\text{O}_{3-\delta}$ . ECS Transactions, 2021, 103, 1907-1915.	0.5	0
25	Influence of the Ti Content on the Electrochemical Performance and Surface Properties of $(\text{La}_{0.6}\text{Sr}_{0.4})_{0.99}\text{Co}_{1-x}\text{Ti}_x\text{O}_{3-\delta}$ Oxygen Electrode. ECS Transactions, 2021, 103, 1433-1444.	0.5	0