

Selahattin Aelik

List of Publications by Year in descending order

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22
papers

347
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759233

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344
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Investigation of temperature distribution and performance of SOFC short stack with/without machined gas channels. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10030-10036. | 7.1 | 37 |
| 2 | Investigation of formability of metallic bipolar plates via stamping for light-weight PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 35149-35161. | 7.1 | 35 |
| 3 | Three dimensional stress analysis of solid oxide fuel cell anode micro structure. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19119-19131. | 7.1 | 22 |
| 4 | Micro level two dimensional stress and thermal analysis anode/electrolyte interface of a solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7895-7902. | 7.1 | 22 |
| 5 | Measurement and estimation of species distribution in a direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2151-2159. | 7.1 | 21 |
| 6 | Measurement of the temperature distribution in a large solid oxide fuel cell short stack. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10534-10541. | 7.1 | 21 |
| 7 | Engineering solid oxide fuel cell electrode microstructure by a micro-modeling tool based on estimation of TPB length. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13298-13317. | 7.1 | 20 |
| 8 | Novel electrolytes for solid oxide fuel cells with improved mechanical properties. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 13499-13509. | 7.1 | 19 |
| 9 | Influential parameters and performance of a glass-ceramic sealant for solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 2744-2751. | 4.8 | 18 |
| 10 | Effects of electrolyte pattern on mechanical and electrochemical properties of solid oxide fuel cells. <i>Ceramics International</i> , 2012, 38, 5651-5659. | 4.8 | 16 |
| 11 | Novel structured electrolytes for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012, 213, 47-54. | 7.8 | 16 |
| 12 | Mechanical and electrochemical behavior of novel electrolytes based on partially stabilized zirconia for solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 8785-8790. | 4.8 | 13 |
| 13 | Tape casting coupled with isostatic pressing as an alternative fabrication method for microtubular solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9735-9743. | 7.1 | 12 |
| 14 | Glass fiber reinforced sealants for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18308-18318. | 7.1 | 11 |
| 15 | Influence of doctor blade gap on the properties of tape cast NiO/YSZ anode supports for solid oxide fuel cells. <i>Ceramics International</i> , 2019, 45, 3192-3198. | 4.8 | 11 |
| 16 | Effect of surface roughness of the metallic interconnects on the bonding strength in solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 35118-35129. | 7.1 | 11 |
| 17 | Thermomechanical analysis of porous solid oxide fuel cell by using peridynamics. <i>AIMS Energy</i> , 2017, 5, 585-600. | 1.9 | 11 |
| 18 | Effect of binder burnout on the sealing performance of glass ceramics for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2013, 242, 775-783. | 7.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Optimum processing parameters to improve sealing performance in solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 9834-9842. | 4.8 | 8 |
| 20 | Comparison of electrolyte fabrication techniques on the performance of anode supported solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 35162-35170. | 7.1 | 7 |
| 21 | Effects of solid loading on joining and thermal cycling performance of glass-ceramic sealing pastes for solid oxide fuel cells. <i>Ceramics International</i> , 2019, 45, 12845-12850. | 4.8 | 5 |
| 22 | PEM Yakıt Pili Bipolar Plakaların Geleneksel ve Yenilikçi Üretim Teknikler. <i>Academic Perspective Procedia</i> , 2019, 2, 720-729. | 0.0 | 1 |