

Rumen I Tomov

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,409
citations

758635

12
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

1561
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Evaluation of inkjet-printed spinel coatings on standard and surface nitrided ferritic stainless steels for interconnect application in solid oxide fuel cell devices. <i>Ceramics International</i> , 2022, 48, 20456-20466. | 2.3 | 8 |
| 2 | Inkjet Printing Infiltration of the Doped Ceria Interlayer in Commercial Anode-Supported SOFCs. <i>Nanomaterials</i> , 2021, 11, 3095. | 1.9 | 4 |
| 3 | Inkjet Printing Functionalization of SOFC LSCF Cathodes. <i>Nanomaterials</i> , 2019, 9, 654. | 1.9 | 26 |
| 4 | LiMnPO ₄ -olivine deposited on a nanoporous alloy as an additive-free electrode for lithium ion batteries. <i>Dalton Transactions</i> , 2019, 48, 17037-17044. | 1.6 | 2 |
| 5 | The synergistic effect of cobalt oxide and Gd-CeO ₂ dual infiltration in LSCF/CGO cathodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5071-5081. | 5.2 | 24 |
| 6 | Tailoring SOFC Electrode Microstructures for Improved Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800120. | 10.2 | 159 |
| 7 | Inkjet printing infiltration of Ni-Gd:CeO ₂ anodes for low temperature solid oxide fuel cells. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 1227-1238. | 1.5 | 20 |
| 8 | Infiltration of commercially available, anode supported SOFCs via inkjet printing. <i>Materials for Renewable and Sustainable Energy</i> , 2017, 6, 12. | 1.5 | 25 |
| 9 | Performance optimization of LSCF/Gd:CeO ₂ composite cathodes via single-step inkjet printing infiltration. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 641-651. | 1.5 | 33 |
| 10 | Vacuum-sintered stainless steel porous supports for inkjet printing of functional SOFC coatings. <i>Materials for Renewable and Sustainable Energy</i> , 2015, 4, 1. | 1.5 | 21 |
| 11 | A Comparative Study on the Conductive Properties of Coated and Printed Silver Layers on a Paper Substrate. <i>Journal of Electronic Materials</i> , 2015, 44, 497-510. | 1.0 | 15 |
| 12 | Inkjet Printing of Direct Carbon Solid Oxide Fuel Cell Components. <i>ECS Transactions</i> , 2013, 57, 1359-1369. | 0.3 | 8 |
| 13 | Optimisation of CGO suspensions for inkjet-printed SOFC electrolytes. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2317-2324. | 2.8 | 42 |
| 14 | Inkjet printing of gadolinium-doped ceria electrolyte on NiO-YSZ substrates for solid oxide fuel cell applications. <i>Journal of Materials Science</i> , 2011, 46, 6889-6896. | 1.7 | 36 |
| 15 | Inkjet printing of Ce _{0.8} Gd _{0.2} O ₂ thin films on Ni-5%W flexible substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 54, 154-164. | 1.1 | 26 |
| 16 | Pulsed Laser Deposition of SrBi ₂ Ta ₂ O ₉ Thin Films on Si Substrate. <i>Plasma Processes and Polymers</i> , 2006, 3, 241-247. | 1.6 | 1 |
| 17 | Greatly reduced leakage current and conduction mechanism in aliovalent-ion-doped BiFeO ₃ . <i>Applied Physics Letters</i> , 2005, 86, 062903. | 1.5 | 959 |