

# Vincenzo Esposito

## List of Publications by Year in descending order

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149  
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172386  
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all docs

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168  
times ranked

4032  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Single-Fraction Versus Multifraction (3 Å– 9ÅGy) Stereotactic Radiosurgery for Large (>2Åcm) Brain Metastases: A Comparative Analysis of Local Control and Risk of Radiation-Induced Brain Necrosis. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1142-1148. | 0.4  | 344       |
| 2  | Design of Electroceramics for Solid Oxides Fuel Cell Applications: Playing with Ceria. Journal of the American Ceramic Society, 2008, 91, 1037-1051.   | 1.9  | 221       |
| 3  | Enhancement of the chemical stability in confinedÅ-Bi2O3. Nature Materials, 2015, 14, 500-504.   | 13.3 | 148       |
| 4  | Enhancement of Ionic Conductivity in SmÅ-Doped Ceria/YttriaÅ-Stabilized Zirconia Heteroepitaxial Structures. Small, 2010, 6, 1863-1867.  | 5.2  | 96        |
| 5  | Fabrication and Electrochemical Properties of Epitaxial SamariumÅ-Doped Ceria Films on SrTiO<sub>3</sub>Å-Buffered MgO Substrates. Advanced Functional Materials, 2009, 19, 1713-1719.   | 7.8  | 94        |
| 6  | Stereotactic radiosurgery combined with nivolumab or Ipilimumab for patients with melanoma brain metastases: evaluation of brain control and toxicity. , 2019, 7, 102.   |      | 87        |
| 7  | Composite Mesoporous Titania Nafion-Based Membranes for Direct Methanol Fuel Cell Operation at High Temperature. Journal of the Electrochemical Society, 2005, 152, A1373.   | 1.3  | 71        |
| 8  | Fabrication of thin yttria-stabilized-zirconia dense electrolyte layers by inkjet printing for high performing solid oxide fuel cells. Journal of Power Sources, 2015, 273, 89-95.   | 4.0  | 70        |
| 9  | Enhanced mass diffusion phenomena in highly defective doped ceria. Acta Materialia, 2013, 61, 6290-6300.   | 3.8  | 67        |
| 10 | Could HIV infection alter the clinical course of SARSÅ-CoVÅ-2 infection? When less is better. Journal of Medical Virology, 2020, 92, 1777-1778.  | 2.5  | 59        |
| 11 | Induced giant piezoelectricity in centrosymmetric oxides. Science, 2022, 375, 653-657.   | 6.0  | 59        |
| 12 | Improved total conductivity of nanometric samaria-doped ceria powders sintered with molten LiNO3 additive. Solid State Ionics, 2009, 180, 1069-1075.   | 1.3  | 56        |
| 13 | Electrical properties of YSZ/NiO composites prepared by a liquid mixture technique. Journal of the European Ceramic Society, 2005, 25, 2637-2641.  | 2.8  | 50        |
| 14 | Morphology changes in human lung epithelial cells after exposure to diesel exhaust micron sub particles (PM1.0) and pollen allergens. Environmental Pollution, 2012, 171, 162-167.   | 3.7  | 46        |
| 15 | When two become one: An insight into 2D conductive oxide interfaces. Journal of Electroceramics, 2017, 38, 1-23.   | 0.8  | 46        |
| 16 | A wet-chemical route for the preparation of NiÅ-BaCe0.9Y0.1O3Å cermet anodes for IT-SOFCs. Solid State Ionics, 2009, 180, 715-720.   | 1.3  | 44        |
| 17 | Porous La0.6Sr0.4CoO3Å thin film cathodes for large area micro solid oxide fuel cell power generators. Journal of Power Sources, 2014, 248, 1042-1049.   | 4.0  | 42        |
| 18 | Inflammatory effects on human lung epithelial cells after exposure to diesel exhaust micron sub particles (PM1.0) and pollen allergens. Environmental Pollution, 2012, 161, 64-69.   | 3.7  | 40        |

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|----|--|-----|-----------|
| 19 | Development and characterization of cellulose-based hydrogels for use as dietary bulking agents. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1438-1444.   | 1.3 | 39        |
| 20 | Accelerated ceria-zirconia solubilization by cationic diffusion inversion at low oxygen activity. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16871-16878.  | 5.2 | 38        |
| 21 | Outcomes of postoperative stereotactic radiosurgery to the resection cavity versus stereotactic radiosurgery alone for melanoma brain metastases. <i>Journal of Neuro-Oncology</i> , 2017, 132, 455-462.   | 1.4 | 38        |
| 22 | Strain induced ionic conductivity enhancement in epitaxial Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> thin films. <i>Applied Physics Letters</i> , 2012, 100, .  | 1.5 | 36        |
| 23 | Densification and grain growth during sintering of porous Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>1.95</sub> tape cast layers: A comprehensive study on heuristic methods. <i>Journal of the European Ceramic Society</i> , 2013, 33, 2529-2537.  | 2.8 | 35        |
| 24 | Effect of oxygen defects blocking barriers on gadolinium doped ceria (GDC) electro-chemo-mechanical properties. <i>Acta Materialia</i> , 2019, 174, 53-60.   | 3.8 | 34        |
| 25 | 3D-printed barium titanate/poly-(vinylidene fluoride) nano-hybrids with anisotropic dielectric properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12430-12440.   | 2.7 | 33        |
| 26 | Effects of treatment with Maraviroc a CCR5 inhibitor on a human hepatic stellate cell line. <i>Journal of Cellular Physiology</i> , 2018, 233, 6224-6231.  | 2.0 | 33        |
| 27 | Aqueous metal-organic solutions for YSZ thin film inkjet deposition. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6021-6029.   | 2.7 | 32        |
| 28 | Design and optimization of porous ceramic supports for asymmetric ceria-based oxygen transport membranes. <i>Journal of Membrane Science</i> , 2016, 513, 85-94.   | 4.1 | 31        |
| 29 | Cathode Performance of Nanostructured La <sub>1-a</sub> Sr <sub>a</sub> Co <sub>1-b</sub> Fe <sub>b</sub> O <sub>3-x</sub> on a Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>2</sub> Electrolyte Prepared by Citrate-Nitrate Autocombustion. <i>Journal of the Electrochemical Society</i> , 2007, 154, A89. | 1.3 | 29        |
| 30 | The effect of forming stresses on the sintering of ultra-fine Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> powders. <i>Journal of the European Ceramic Society</i> , 2013, 33, 1289-1296.  | 2.8 | 29        |
| 31 | Camber Evolution and Stress Development of Porous Ceramic Bilayers During Co-Firing. <i>Journal of the American Ceramic Society</i> , 2013, 96, 972-978.   | 1.9 | 29        |
| 32 | Chemical vapor deposition of multi-walled carbon nanotubes from nickel/yttria-stabilized zirconia catalysts. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 84, 271-276.   | 1.1 | 28        |
| 33 | Master sintering curve for Gd-doped CeO <sub>2</sub> solid electrolytes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 143-147.   | 2.0 | 28        |
| 34 | Sintering of Multilayered Porous Structures: Part II – Experiments and Model Applications. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2666-2673.   | 1.9 | 27        |
| 35 | Densification of Highly Defective Ceria by High Temperature Controlled Re-Oxidation. <i>Journal of the Electrochemical Society</i> , 2014, 161, F3072-F3078.   | 1.3 | 27        |
| 36 | Sintering of Multilayered Porous Structures: Part I – Constitutive Models. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2657-2665.   | 1.9 | 26        |

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|----|--|-----|-----------|
| 37 | Modeling Sintering of Multilayers Under Influence of Gravity. Journal of the American Ceramic Society, 2013, 96, 80-89.  | 1.9 | 26        |
| 38 | Preparation and Electrochemical Characterization of Perovskite/YSZ Ceramic Films. Journal of the Electrochemical Society, 2005, 152, A88.  | 1.3 | 25        |
| 39 | Applicability of Bi[sub 2]Ru[sub 2]O[sub 7] Pyrochlore Electrodes for ESB and BIMEVOX Electrolytes. Journal of the Electrochemical Society, 2006, 153, A2232.  | 1.3 | 25        |
| 40 | High ionic conductivity in confined bismuth oxide-based heterostructures. APL Materials, 2016, 4, .  | 2.2 | 25        |
| 41 | Different Impact Of Antiretroviral Drugs On Bone Differentiation In An In Vitro Model. Journal of Cellular Biochemistry, 2015, 116, 2188-2194.   | 1.2 | 24        |
| 42 | Fast mass interdiffusion in ceria/alumina composite. Journal of Materials Chemistry A, 2015, 3, 17135-17143.   | 5.2 | 24        |
| 43 | NOx selective catalytic reduction (SCR) on self-supported W-doped TiO <sub>2</sub> nanofibers. New Journal of Chemistry, 2017, 41, 3466-3472.  | 1.4 | 24        |
| 44 | Mixed Ionic-Electronic YSZ/Ni Composite for SOFC Anodes with High Electrical Conductivity. Journal of the Electrochemical Society, 2006, 153, A354.  | 1.3 | 23        |
| 45 | Chemical stability of La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> in oxygen permeation applications under exposure to N <sub>2</sub> and CO <sub>2</sub> . Solid State Ionics, 2012, 227, 46-56.      | 1.3 | 23        |
| 46 | Effect of chemical redox on Gd-doped ceria mass diffusion. Journal of Materials Chemistry A, 2015, 3, 18835-18838.   | 5.2 | 23        |
| 47 | Pb[sub 2]Ru[sub 2]O[sub 6.5] as a Low-Temperature Cathode for Bismuth Oxide Electrolytes. Journal of the Electrochemical Society, 2005, 152, A2300.  | 1.3 | 22        |
| 48 | Effects of co-sintering in self-standing CGO/YSZ and CGO/ScYSZ dense bi-layers. Journal of Materials Science, 2014, 49, 5324-5333.   | 1.7 | 22        |
| 49 | Densification and grain growth kinetics of Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>1.95</sub> in tape cast layers: The influence of porosity. Journal of the European Ceramic Society, 2014, 34, 2371-2379. | 2.8 | 22        |
| 50 | Structural instability and electrical properties in epitaxial Er <sub>2</sub> O <sub>3</sub> -stabilized Bi <sub>2</sub> O <sub>3</sub> thin films. Solid State Ionics, 2014, 266, 13-18.                      | 1.3 | 21        |
| 51 | Different Cell Cycle Modulation in SKOV-3 Ovarian Cancer Cell Line by Anti-HIV Drugs. Oncology Research, 2017, 25, 1617-1624.  | 0.6 | 21        |
| 52 | Densification of Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>1.95</sub> barrier layer by in-situ solid state reaction. Journal of Power Sources, 2014, 266, 393-400.  | 4.0 | 20        |
| 53 | Ex-situ tracking solid oxide cell electrode microstructural evolution in a redox cycle by high resolution ptychographic nanotomography. Journal of Power Sources, 2017, 360, 520-527.                          | 4.0 | 20        |
| 54 | Metastability at Defective Metal Oxide Interfaces and Nanoconfined Structures. Advanced Materials Interfaces, 2020, 7, 1902090.  | 1.9 | 20        |

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|----|---|-----|-----------|
| 55 | Effect of cold sintering process (CSP) on the electro-chemo-mechanical properties of Gd-doped ceria (GDC). <i>Journal of the European Ceramic Society</i> , 2020, 40, 5612-5618.                      | 2.8 | 20        |
| 56 | Novel $Y_{2-x}Pr_xRu_2O_7$ ( $x=0-2$ ) Pyrochlore Oxides Prepared Using a Soft Chemistry Route and their Electrical Properties. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1970-1977. | 1.9 | 19        |
| 57 | Zirconia UV-curable colloids for additive manufacturing via hybrid inkjet printing-stereolithography. <i>Materials Letters</i> , 2018, 215, 214-217.  | 1.3 | 19        |
| 58 | Tuning the stoichiometry and electrical properties of tantalum oxide thin films. <i>Applied Surface Science</i> , 2019, 470, 1071-1074.   | 3.1 | 19        |
| 59 | Assembling Ni-Fe Layered Double Hydroxide 2D Thin Films for Oxygen Evolution Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 1017-1026.  | 2.5 | 19        |
| 60 | Viscoelastic properties of doped-ceria under reduced oxygen partial pressure. <i>Scripta Materialia</i> , 2014, 75, 82-85.  | 2.6 | 18        |
| 61 | Sintering and grain growth kinetics in $La_{0.85}Sr_{0.15}MnO_3-Ce_{0.9}Gd_{0.1}O_{1.95}$ (LSM-CGO) porous composite. <i>Journal of the European Ceramic Society</i> , 2014, 34, 3769-3778.           | 2.8 | 18        |
| 62 | Effects of accelerated degradation on metal supported thin film-based solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7887-7896.   | 5.2 | 18        |
| 63 | Electrochemical properties of dense (La, Sr)MnO <sub>3</sub> films produced by pulsed laser deposition. <i>Solid State Ionics</i> , 2012, 217, 54-61.   | 1.3 | 17        |
| 64 | Sintering process optimization for multi-layer CGO membranes by in situ techniques. <i>Journal of the European Ceramic Society</i> , 2013, 33, 549-556.   | 2.8 | 17        |
| 65 | Zirconia nano-colloids transfer from continuous hydrothermal synthesis to inkjet printing. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2-8.  | 2.8 | 17        |
| 66 | Electro-chemo-mechanical effect in Gd-doped ceria thin films with a controlled orientation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14023-14030.   | 5.2 | 17        |
| 67 | Degradation Mechanisms of Metal-Supported Solid Oxide Cells and Countermeasures: A Review. <i>Materials</i> , 2021, 14, 3139.   | 1.3 | 17        |
| 68 | 2022 roadmap on 3D printing for energy. <i>JPhys Energy</i> , 2022, 4, 011501.  | 2.3 | 17        |
| 69 | Electrical characterization of gadolinia-doped ceria films grown by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 601-607.                         | 1.1 | 16        |
| 70 | Nucleophilic stabilization of water-based reactive ink for titania-based thin film inkjet printing. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 101, 10-17.                             | 1.9 | 16        |
| 71 | Enhanced densification of thin tape cast Ceria-Gadolinium Oxide (CGO) layers by rheological optimization of slurries. <i>Ceramics International</i> , 2017, 43, 5647-5653.                            | 2.3 | 15        |
| 72 | Enhanced conductivity in pulsed laser deposited $Ce_{0.9}Gd_{0.1}O_{2-\delta}/SrTiO_3$ heterostructures. <i>Applied Physics Letters</i> , 2010, 97, 143110.   | 1.5 | 14        |

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|----|--|-----|-----------|
| 73 | Enhanced electro-mechanical coupling of TiN/Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>1.9</sub> thin film electrostrictor. APL Materials, 2019, 7, .  | 2.2 | 14        |
| 74 | The role of oxygen defects on the electro-chemo-mechanical properties of highly defective gadolinium doped ceria. Materials Letters, 2020, 266, 127490.  | 1.3 | 14        |
| 75 | The role of oxide interfaces in highly confined electronic and ionic conductors. APL Materials, 2019, 7, 013101.   | 2.2 | 13        |
| 76 | Enhanced Electromechanical Response in Sm and Nd Co-doped Ceria. Materialia, 2020, 12, 100728.   | 1.3 | 13        |
| 77 | Alternative Chemical Route to Mesoporous Titania From a Titanatrane Complex. Journal of Materials Research, 2005, 20, 128-134.   | 1.2 | 12        |
| 78 | Continuous hydrothermal flow synthesis of Gd-doped CeO <sub>2</sub> (<sc>GDC</sc>) nanoparticles for inkjet printing of <sc>SOFC</sc> electrolytes. International Journal of Applied Ceramic Technology, 2018, 15, 315-327.                          | 1.1 | 12        |
| 79 | Effect of the sol-gel conditions on the morphology and SCR performance of electrospun V-W-TiO <sub>2</sub> catalysts. Journal of Physics and Chemistry of Solids, 2018, 118, 255-261.  | 1.9 | 12        |
| 80 | Nanostructured PLD-grown gadolinia doped ceria: Chemical and structural characterization by transmission electron microscopy techniques. Applied Surface Science, 2011, 257, 5341-5346.  | 3.1 | 11        |
| 81 | Electrochemical stability of (La,Sr)CoO <sub>3-δ</sub> in (La,Sr)CoO <sub>3-δ</sub> /(Ce, Tj ETQq1 1 0.784314 rgBT /Overlock 1   | 2.8 | 11        |
| 82 | Electro-chemo-mechanical properties in nanostructured Ca-doped ceria (CDC) by field assisted sintering. Scripta Materialia, 2020, 187, 183-187.  | 2.6 | 11        |
| 83 | The role of dalbavancin for Gram positive infections in the COVID-19 era: state of the art and future perspectives. Expert Review of Anti-Infective Therapy, 2021, 19, 1125-1134.  | 2.0 | 11        |
| 84 | Modeling constrained sintering of bi-layered tubular structures. Journal of the European Ceramic Society, 2015, 35, 941-950.   | 2.8 | 10        |
| 85 | Oxygen permeation and stability study of (La <sub>0.6</sub> Ca <sub>0.4</sub> ) <sub>0.98</sub> (Co <sub>0.8</sub> Fe <sub>0.2</sub> )O <sub>3-δ</sub> membranes. Journal of Membrane Science, 2017, 542, 245-253.                                   | 4.1 | 10        |
| 86 | Stoichiometric control in Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> synthesis by novel hybrid solid state reaction. Materials Letters, 2018, 221, 101-103.   | 1.3 | 10        |
| 87 | Amorphous saturated cerium-tungsten-titanium oxide nanofiber catalysts for NO <sub>x</sub> selective catalytic reaction. New Journal of Chemistry, 2018, 42, 9501-9509.  | 1.4 | 10        |
| 88 | Highly porous Ce-W-TiO <sub>2</sub> free-standing electrospun catalytic membranes for efficient de-NO <sub>x</sub> via ammonia selective catalytic reduction. Environmental Science: Nano, 2019, 6, 94-104.  | 2.2 | 10        |
| 89 | Electromechanical dopant-defect interaction in acceptor-doped ceria. Materials Advances, 2020, 1, 2717-2720.   | 2.6 | 10        |
| 90 | Exposure to submicron particles (PM <sub>1.0</sub> ) from diesel exhaust and pollen allergens of human lung epithelial cells induces morphological changes of mitochondria tonifilaments and rough endoplasmic reticulum. In Vivo, 2014, 28, 557-61. | 0.6 | 10        |

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|-----|--|-----|-----------|
| 91  | A global existence and uniqueness result for a class of hyperbolic operators. <i>Ricerche Di Matematica</i> , 2014, 63, 25-40.   | 0.6 | 9         |
| 92  | Releasing cation diffusion in self-limited nanocrystalline defective ceria thin films. <i>RSC Advances</i> , 2017, 7, 13784-13788.   | 1.7 | 9         |
| 93  | Printing of NiO-YSZ nanocomposites: From continuous synthesis to inkjet deposition. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1279-1286.  | 2.8 | 9         |
| 94  | Leptomeningeal disease and brain control after postoperative stereotactic radiosurgery with or without immunotherapy for resected brain metastases. , 2021, 9, e003730.  |     | 8         |
| 95  | Tuning diffusion paths in shaped ceria nanocrystals. <i>CrystEngComm</i> , 2019, 21, 4025-4029.  | 1.3 | 7         |
| 96  | Electrical conductivity of nanostructured acceptor-doped ceria fabricated by spark plasma sintering (SPS). <i>Materials Letters</i> , 2020, 279, 128513.   | 1.3 | 7         |
| 97  | SARS-CoV-2 and inflammatory responses: From mechanisms to the potential therapeutic use of intravenous immunoglobulin. <i>Journal of Medical Virology</i> , 2021, 93, 2654-2661.   | 2.5 | 7         |
| 98  | Aortic Valve Endocarditis Caused by <i>Abiotrophia defectiva</i> : Case Report and Literature Overview. <i>In Vivo</i> , 2015, 29, 515-8.  | 0.6 | 7         |
| 99  | Synthesis and Characterization of Y <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> and Y <sub>2</sub> XPr <sub>x</sub> Ru <sub>2</sub> O <sub>7</sub> for Cathode Application in Intermediate Temperature Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2006, 1, 255-261. | 0.3 | 6         |
| 100 | Instability of supercritical porosity in highly doped ceria under reduced oxygen partial pressure. <i>Scripta Materialia</i> , 2015, 94, 13-16.  | 2.6 | 6         |
| 101 | Near interface ionic transport in oxygen vacancy stabilized cubic zirconium oxide thin films. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26068-26071.  | 1.3 | 6         |
| 102 | Atomic-scale insights into electro-steric substitutional chemistry of cerium oxide. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21900-21908.  | 1.3 | 6         |
| 103 | Exsolution of Nickel Nanoparticles from Mixed-Valence Metal Oxides: A Quantitative Evaluation by Magnetic Measurements. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900472.   | 1.2 | 6         |
| 104 | Hybrid inks for 3D printing of tall BaTiO <sub>3</sub> -based ceramics. <i>Open Ceramics</i> , 2021, 6, 100110.  | 1.0 | 6         |
| 105 | Energy estimates for the Cauchy problem associated to a class of hyperbolic operators with double characteristics in presence of transition. <i>Ricerche Di Matematica</i> , 2015, 64, 243-249.  | 0.6 | 5         |
| 106 | On hyperbolic equations with double characteristics in the presence of transition. <i>Boundary Value Problems</i> , 2016, 2016, .  | 0.3 | 5         |
| 107 | The Cauchy-Dirichlet problem for a class of hyperbolic operators with double characteristics in the presence of transition. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 442, 149-170.   | 0.5 | 5         |
| 108 | Nucleation front instability in two-dimensional (2D) nanosheet gadolinium-doped cerium oxide (CGO) formation. <i>CrystEngComm</i> , 2018, 20, 1405-1410.   | 1.3 | 5         |

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|-----|---|-----|-----------|
| 109 | Effect of spherical porosity on co-fired dense/porous zirconia bi-layers cambering. Journal of the European Ceramic Society, 2018, 38, 173-179.   | 2.8 | 5         |
| 110 | Electric field-assisted pressureless sintering gadolinium-, yttrium- and samarium-doped barium cerate. Scripta Materialia, 2018, 156, 6-9.  | 2.6 | 5         |
| 111 | Gd <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> /Y <sub>0.16</sub> Zr <sub>0.84</sub> O <sub>1.92</sub> nanocomposite thin films for low temperature ionic conductivity. Journal of Physics and Chemistry of Solids, 2019, 132, 162-171. | 1.9 | 5         |
| 112 | Electromechanically active pair dynamics in a Gd-doped ceria single crystal. Physical Chemistry Chemical Physics, 2021, 23, 11233-11239.  | 1.3 | 5         |
| 113 | Gigantic electro-chemo-mechanical properties of nanostructured praseodymium doped ceria. Nanoscale, 2021, 13, 7583-7589.  | 2.8 | 5         |
| 114 | Hybrid-3D printing of symmetric solid oxide cells by inkjet printing and robocasting. Additive Manufacturing, 2022, 51, 102636.   | 1.7 | 5         |
| 115 | Bi <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> Pyrochlore Electrodes for Bi <sub>2</sub> O <sub>3</sub> Based Electrolyte for IT-SOFC Applications. ECS Transactions, 2006, 1, 263-277.   | 0.3 | 4         |
| 116 | Low Temperature Synthesis and Properties of Gadolinium-Doped Cerium Oxide Nanoparticles. ECS Transactions, 2017, 78, 387-394.   | 0.3 | 4         |
| 117 | Thermochemical stability of zirconia-titanium nitride as mixed ionic-electronic composites. Ceramics International, 2018, 44, 8440-8446.  | 2.3 | 4         |
| 118 | Mass diffusion phenomena in cerium oxide. , 2020, , 169-210.  |     | 4         |
| 119 | Tuning the resistive switching in tantalum oxide-based memristors by annealing. AIP Advances, 2020, 10, .   | 0.6 | 4         |
| 120 | Nonlinear Photoelectric Properties by Strained MoS <sub>2</sub> and SnO <sub>2</sub> Core-shell Nanotubes for Flexible Visible Light Photodetectors. Advanced Materials Technologies, 2021, 6, 2001105.                                       | 3.0 | 4         |
| 121 | Enhanced electromechanical properties in low-temperature gadolinium-doped ceria composites with low-dimensional carbon allotropes. Journal of Materials Chemistry A, 2022, 10, 4024-4031.   | 5.2 | 4         |
| 122 | A Soft Chemistry Route for the Synthesis of Nanostructured Pb <sub>2</sub> Ru <sub>2</sub> O <sub>6.5</sub> with a Controlled Stoichiometry. Journal of the American Ceramic Society, 2008, 91, 437-443.                                      | 1.9 | 3         |
| 123 | In situ characterization of delamination and crack growth of a CGO-LSM multi-layer ceramic sample investigated by X-ray tomographic microscopy. Journal of the European Ceramic Society, 2014, 34, 3019-3025.                                 | 2.8 | 3         |
| 124 | Solid-oxide fuel cells. , 2015, , 443-478.  |     | 3         |
| 125 | New results on the cauchy problem for a class of hyperbolic equations in the half-space. AIP Conference Proceedings, 2015, , .  | 0.3 | 3         |
| 126 | Impact of cation redox chemistry on continuous hydrothermal synthesis of 2D-Ni(Co/Fe) hydroxides. Reaction Chemistry and Engineering, 2019, 4, 2060-2073.   | 1.9 | 3         |



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|-----|---|-----|-----------|
| 127 | Electrostrictive Ceramics and Their Applications. , 2021, , 369-374.  |     | 3         |
| 128 | Low-temperature synthesis of bismuth titanate by modified citrate amorphous method. Ceramics International, 2021, 47, 12130-12136.  | 2.3 | 3         |
| 129 | Different impact of anti-retroviral regimen containing protease inhibitors on development of HIV-related Kaposi sarcoma. In Vivo, 2015, 29, 133-6.  | 0.6 | 3         |
| 130 | Synthesis, Characterization, and Densification of Samaria Doped Ceria Ultra-Fine Powders. ECS Transactions, 2006, 1, 35-50.   | 0.3 | 2         |
| 131 | Electrode Performance of Nanostructured $\text{La}_{1-a}\text{Sr}_a\text{Co}_{1-b}\text{Fe}_b\text{O}_{3-x}$ on a $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_2$ Electrolyte Prepared by Citrate-Nitrate Auto-Combustion. ECS Transactions, 2006, 1, 219-232. | 0.3 | 2         |
| 132 | Ceria-Based Thin Film Hetero-structure Growth and Characterization for SOFC Applications. ECS Transactions, 2007, 7, 891-898.   | 0.3 | 2         |
| 133 | Nafion-Mesoporous Silica as Electrolyte for Ethanol Fuel Cells. ECS Transactions, 2009, 25, 853-860.  | 0.3 | 2         |
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