

# Djurado Elisabeth

## List of Publications by Citations

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115  
papers

2,627  
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29  
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122  
ext. papers

2,886  
ext. citations

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avg, IF

5.14  
L-index

#	Paper	IF	Citations
115	Crystallite Size Effect on the Tetragonal-Monoclinic Transition of Undoped Nanocrystalline Zirconia Studied by XRD and Raman Spectrometry. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 149, 399-407	3.3	198
114	High-pressure structural evolution of undoped tetragonal nanocrystalline zirconia. <i>Physical Review B</i> , <b>2000</b> , 62, 8731-8737	3.3	110
113	Second phases in doped lanthanum gallate perovskites. <i>Journal of the European Ceramic Society</i> , <b>1998</b> , 18, 1397-1404	6	101
112	Synthesis of sodium titanate composites by sol-gel method for use in gas potentiometric sensors. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 2477-2483	6	64
111	Synthesis of Doped and Undoped Nanopowders of Tetragonal Polycrystalline Zirconia (TPZ) by Spray-Pyrolysis. <i>Journal of Solid State Chemistry</i> , <b>1998</b> , 141, 191-198	3.3	63
110	Deposition and characterization of nanocrystalline tetragonal zirconia films using electrostatic spray deposition. <i>Solid State Ionics</i> , <b>2001</b> , 138, 191-197	3.3	63
109	Structural characterization of $\text{La}_{1-x}\text{MnO}_3$ by x-ray diffraction and x-ray absorption spectroscopy. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	62
108	Microstructural 3D Reconstruction and Performance Evaluation of LSCF Cathodes Obtained by Electrostatic Spray Deposition. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 5340-5348	9.6	55
107	Morphology and sintering behaviour of yttria stabilised zirconia (8-YSZ) powders synthesised by spray pyrolysis. <i>Ceramics International</i> , <b>2004</b> , 30, 2295-2303	5.1	55
106	Spark Plasma Sintering Kinetics of Pure $\alpha$ -Alumina. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2825-2833	3.8	48
105	Metastable forms of the tetragonal phase in compositionally homogeneous, nanocrystalline zirconia $\delta$ eria powders synthesised by gel-combustion. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 904-910		48
104	Low temperature phase transformation of nanocrystalline tetragonal $\text{ZrO}_2$ by neutron and Raman scattering studies. <i>Solid State Sciences</i> , <b>2001</b> , 3, 647-654		46
103	Structural investigations of YSZ coatings prepared by DC magnetron sputtering. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 6012-6018	4.4	45
102	Structural changes of rare-earth-doped, nanostructured zirconia solid solution. <i>Solid State Ionics</i> , <b>2003</b> , 157, 335-340	3.3	45
101	Influence of electrospaying parameters on the microstructure of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{F}_{0.8}\text{O}_3$ films for SOFCs. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 1742-1748	3.3	43
100	Catalytic and Electrochemical Properties of Doped Lanthanum Chromites as New Anode Materials for Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 2289-2295	3.8	43
99	Efficiency of a dense thin CGO buffer layer for solid oxide fuel cell operating at intermediate temperature. <i>Solid State Ionics</i> , <b>2013</b> , 249-250, 98-104	3.3	41

98	Influence of green state processes on the sintering behaviour and the subsequent optical properties of spark plasma sintered alumina. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 3363-3370	6	41
97	Porosity Control of LSM/YSZ Cathode Coating Deposited by Electro spraying. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1220-1227	9.6	41
96	Microstructural Investigations of Nanostructured La(Sr)MnO <sub>3</sub> -Films Deposited by Electrostatic Spray Deposition. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3733-3739	9.6	40
95	Electrochemical investigation of oxygen reduction reaction on La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> cathodes deposited by Electrostatic Spray Deposition. <i>Journal of Power Sources</i> , <b>2012</b> , 197, 80-87	8.9	39
94	Performance of (La,Sr)(Co,Fe)O <sub>3</sub> double-layer cathode films for intermediate temperature solid oxide fuel cell. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5084-5090	8.9	39
93	An innovative architectural design to enhance the electrochemical performance of La <sub>2</sub> NiO <sub>4</sub> + cathodes for solid oxide fuel cell applications. <i>Journal of Power Sources</i> , <b>2016</b> , 316, 17-28	8.9	34
92	Atomic layer deposition of tantalum oxide thin films for their use as diffusion barriers in microelectronic devices. <i>Microelectronic Engineering</i> , <b>2010</b> , 87, 373-378	2.5	32
91	Nanostructured LSM/YSZ composite cathodes for IT-SOFC: A comprehensive microstructural study by electrostatic spray deposition. <i>Solid State Ionics</i> , <b>2008</b> , 179, 1921-1928	3.3	32
90	DOMAIN SIZE DISTRIBUTION OF Y-TZP NANO-PARTICLES USING XRD AND HRTEM. <i>Image Analysis and Stereology</i> , <b>2001</b> , 20, 157	1	32
89	Design of La <sub>2</sub> Pr <sub>x</sub> NiO <sub>4</sub> +SOFC cathodes: a compromise between electrochemical performance and thermodynamic stability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1120-1132	13	31
88	Initial Stages in Zirconia Coatings Using ESD. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 902-910	9.6	30
87	Pressure-less spark plasma sintering effect on non-conventional necking process during the initial stage of sintering of copper and alumina. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 5766-5773	4.3	29
86	Pre-coating of LSCM perovskite with metal catalyst for scalable high performance anodes. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 9519-9524	6.7	28
85	Influence of sintering temperature on morphology and electrochemical performance of LSCF/GDC composite films as efficient cathode for SOFC. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 1248-1258	6.7	28
84	Zirconia coatings deposited by electrostatic spray deposition. Influence of the process parameters. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 6815-6820	4.4	28
83	Pt/YSZ electrochemical catalysts prepared by electrostatic spray deposition for selective catalytic reduction of NO by C <sub>3</sub> H <sub>6</sub> . <i>Solid State Ionics</i> , <b>2008</b> , 178, 1998-2008	3.3	27
82	Rational design of hierarchically nanostructured electrodes for solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2016</b> , 333, 72-82	8.9	27
81	Synthesis and sintering of Gd-doped CeO <sub>2</sub> nanopowders prepared by ultrasonic spray pyrolysis. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 769-778	6	25

80	Enhanced catalytic activity of nanostructured, A-site deficient $(\text{La}_{0.7}\text{Sr}_{0.3})_{0.95}(\text{Co}_{0.2}\text{Fe}_{0.8})\text{O}_{3-\delta}$ for SOFC cathodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25102-25111	13	25
79	Nanocrystalline Pt thin films prepared by electrostatic spray deposition for automotive exhaust gas treatment. <i>Solid State Ionics</i> , <b>2007</b> , 177, 3491-3499	3.3	24
78	Materials synthesis and characterization of 8YSZ nanomaterials for the fabrication of electrolyte membranes in solid oxide fuel cells. <i>Ceramics International</i> , <b>2003</b> , 29, 619-628	5.1	24
77	Raman investigation of the O, Pt/YSZ electrode under polarization. <i>Solid State Ionics</i> , <b>2005</b> , 176, 2599-2603	3.3	24
76	Interface stability of thin, dense CGO film coating on YSZ for solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2013</b> , 235, 36-41	3.3	23
75	The synthesis and sintering behaviour of $\text{BaZr}_{0.9}\text{Y}_{0.1}\text{O}_{3-\delta}$ powders prepared by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 697-702	6	23
74	Elaboration of Ta <sub>2</sub> O <sub>5</sub> Thin Films Using Electrostatic Spray Deposition for Microelectronic Applications. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 5708-5714	3.8	23
73	Comprehensive Review of Current Developments in IT-SOFCs. <i>Current Inorganic Chemistry</i> , <b>2013</b> , 3, 2-22		21
72	$\text{La}_{n+1}\text{Ni}_n\text{O}_{3n+1}$ ( $n=2$ and 3) phases and composites for solid oxide fuel cell cathodes: Facile synthesis and electrochemical properties. <i>Journal of Power Sources</i> , <b>2016</b> , 325, 337-345	8.9	21
71	$\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ -coated SS444 alloy by dip-coating process for metallic interconnect supported Solid Oxide Fuel Cells. <i>Journal of Power Sources</i> , <b>2013</b> , 241, 159-167	8.9	20
70	Microstructure Related Conductivity in $\text{La}_2\text{Mo}_2\text{O}_9$ Ceramics. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3194-3202	3.8	19
69	Influence of the process parameters on the ESD synthesis of thin film YSZ electrolytes. <i>Solid State Ionics</i> , <b>2006</b> , 177, 1981-1984	3.3	19
68	Zirconia coatings deposited by electrostatic spray deposition A chemical approach. <i>Solid State Ionics</i> , <b>2006</b> , 177, 1451-1460	3.3	19
67	$\text{La}_4\text{Ni}_3\text{O}_{10}$ as an efficient solid oxide fuel cell cathode: electrochemical properties versus microstructure. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23833-23843	13	18
66	Design of interfaces in efficient $\text{Ln}_2\text{NiO}_4$ [(Ln = La, Pr) cathodes for SOFC applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12451-12462	13	18
65	ESD and ALD Depositions of Ta <sub>2</sub> O <sub>5</sub> Thin Films Investigated as Barriers to Copper Diffusion for Advanced Metallization. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, H311	3.9	17
64	YSZ electrolyte of anode-supported SOFCs prepared from sub micron YSZ powders. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 3735-3743	4.3	17
63	Vortex pinning in bulk-processed $\text{YBaCuO}$ with ZrO <sub>2</sub> nano-particles: Optimum pinning center size. <i>Physica C: Superconductivity and Its Applications</i> , <b>2011</b> , 471, 97-103	1.3	16

62	Electrochemical and surface properties of nanocrystalline $\text{EMnO}_2$ in aqueous electrolyte. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 3076-3085	6.7	16
61	Phase stability of nanostructured tetragonal zirconia polycrystals versus temperature and water vapor. <i>Solid State Ionics</i> , <b>2000</b> , 136-137, 1249-1254	3.3	16
60	Electrostatic spray deposition of $\text{Ca}_3\text{Co}_4\text{O}_9$ + $\lambda$ layers to be used as cathode materials for IT-SOFC. <i>Solid State Ionics</i> , <b>2016</b> , 286, 102-110	3.3	15
59	Influence of crystallinity and particle size on the electrochemical properties of spray pyrolyzed $\text{Nd}_2\text{NiO}_4$ + $\lambda$ powders. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 330-335	6.7	15
58	$\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ barrier for $\text{Cr}_2\text{O}_3$ -forming SOFC interconnect alloy coated by electrostatic spray deposition. <i>Surface and Coatings Technology</i> , <b>2014</b> , 254, 157-166	4.4	14
57	Electrochemical characterization of nanostructured zirconias. <i>Solid State Ionics</i> , <b>2009</b> , 180, 978-983	3.3	14
56	A Screening Design Approach for the Understanding of Spark Plasma Sintering Parameters: A Case of Translucent Polycrystalline Undoped Alumina. <i>International Journal of Applied Ceramic Technology</i> , <b>2009</b> , 7, 574-586	2	14
55	Blocking Effect in High Purity Nanostructured Cubic Zirconia Ceramics. <i>Fuel Cells</i> , <b>2008</b> , 8, 313-321	2.9	14
54	Delay of tetragonal-to-monoclinic transition in water vapour due to nanostructural effect. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 1181-1185	6	14
53	K- and Cu-doped $\text{CaTiO}_3$ -based nanostructured hollow spheres as alternative catalysts to produce fatty acid ethyl esters as potential biodiesel. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 272, 118986	21.8	14
52	Electrochemical properties of graded and homogeneous $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_2$ + $\lambda$ $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ composite electrodes for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 17037-17043	6.7	13
51	An efficient hierarchical nanostructured $\text{Pr}_6\text{O}_{11}$ electrode for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10787-10802	13	13
50	Coral Microstructure of Graded CGO/LSCF Oxygen Electrode by Electrostatic Spray Deposition for Energy (IT-SOFC, SOEC). <i>Fuel Cells</i> , <b>2014</b> , 14, 357-363	2.9	13
49	Elaboration and electrical characterization of electrosprayed YSZ thin films for intermediate temperature-solid oxide fuel cells (IT-SOFC). <i>Solid State Ionics</i> , <b>2012</b> , 222-223, 1-7	3.3	13
48	Dopant size effect on structural and transport properties of nanometric and single-phased TZP. <i>Solid State Ionics</i> , <b>2002</b> , 154-155, 143-150	3.3	13
47	Thermal ageing of nanostructured tetragonal zirconia ceramics: Characterization of interfaces. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 227-231	6	12
46	Functionally graded and homogeneous composites of $\text{La}_2\text{NiO}_4$ + $\lambda$ and $\text{La}_{n+1}\text{Ni}_n\text{O}_{3n+1}$ (n = 2 and 3) solid oxide fuel cell cathodes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22277-22287	13	11
45	Laccase wiring on free-standing electrospun carbon nanofibres using a mediator plug. <i>Chemical Communications</i> , <b>2015</b> , 51, 14574-7	5.8	11

44	Nanopowder synthesis of the SOFC cathode material $\text{Nd}_2\text{NiO}_4$ by ultrasonic spray pyrolysis. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1015-1023	3.3	11
43	Low-temperature oxygen electrode reaction on bismuth ruthenium oxides/stabilized zirconia. <i>Solid State Ionics</i> , <b>1998</b> , 107, 191-201	3.3	11
42	Dopant Segregation and Space Charge Effect in Nanostructured Tetragonal Zirconia. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, A1210	3.9	11
41	Durability test on coral $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{2-\delta}$ $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ with $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ current collector working in SOFC and SOEC modes. <i>Electrochimica Acta</i> , <b>2016</b> , 201, 57-69	6.7	11
40	Synthesis and structural characterization of calcium titanate by spray pyrolysis method. <i>Materials Letters</i> , <b>2017</b> , 201, 148-151	3.3	10
39	Three dimensional analysis of $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ oxygen electrode for solid oxide cells. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 4497-4505	6	10
38	Microstructural and electrical characterizations of tungsten-doped $\text{La}_2\text{Mo}_2\text{O}_9$ prepared by spray pyrolysis. <i>Ionics</i> , <b>2013</b> , 19, 1761-1774	2.7	10
37	Thin films of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ dip-coated on Fe/Cr alloys for SOFC metallic interconnect. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 15335-15347	6.7	10
36	Elaboration of thin and dense CGO films adherent to YSZ by electrostatic spray deposition for IT-SOFC applications. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 716	3.6	10
35	ZrO <sub>2</sub> -based thin films synthesized by electrostatic spray deposition: Effect of post-deposition thermal treatments. <i>Solid State Ionics</i> , <b>2006</b> , 177, 1443-1449	3.3	10
34	Synthesis and structural characterization of a new system: $\text{ZrO}_2\text{Y}_2\text{O}_3\text{RuO}_2$ . <i>Journal of the European Ceramic Society</i> , <b>1996</b> , 16, 767-771	6	10
33	Electrostatic spray deposited $\text{Ca}_3\text{Co}_4\text{O}_9$ and $\text{Ca}_3\text{Co}_4\text{O}_9/\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ cathodes for SOFC. <i>Electrochimica Acta</i> , <b>2020</b> , 362, 137142	6.7	10
32	A-site order/disorder in the $\text{NdBaMn}_2\text{O}_5$ SOFC electrode material monitored in situ by neutron diffraction under hydrogen flow. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11078-11085	13	9
31	Highly efficient architected $\text{Pr}_6\text{O}_{11}$ oxygen electrode for solid oxide fuel cell. <i>Journal of Power Sources</i> , <b>2019</b> , 419, 171-180	8.9	9
30	Low temperature synthesis of ultrafine non vermicular $\beta$ -alumina from aerosol decomposition of aluminum nitrates salts. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1917-1928	6	9
29	Reducibility of $\text{La}_2\text{Mo}_2\text{O}_9$ based ceramics versus porosity. <i>Solid State Ionics</i> , <b>2011</b> , 204-205, 97-103	3.3	9
28	Electrochemical Performance of Nanostructured IT-SOFC Cathodes with Different Morphologies. <i>ECS Transactions</i> , <b>2009</b> , 25, 2473-2480	1	9
27	Comparative study of nanocrystalline $\text{Zr}_{0.85}\text{Ce}_{0.15}\text{O}_2$ powders synthesised by spray-pyrolysis and gel-combustion methods. <i>Materials Research Bulletin</i> , <b>2005</b> , 40, 2029-2038	5.1	9



26	Design of advanced one-step hydroxyapatite coatings for biomedical applications using the electrostatic spray deposition. <i>Applied Surface Science</i> , <b>2021</b> , 541, 148462	6.7	9
25	Fluorescent organic nanocrystal confined in sol-gel matrix for bio-imaging. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 57, 253-257	2.3	8
24	Structure characterization of spark plasma sintered alumina by positron annihilation lifetime spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 795-802	1.6	8
23	Nanocrystallites obtained through the pyrosol method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 1488-1493	1.6	8
22	Study on Aging of Tetragonal Zirconia by Coupling Impedance and Raman Spectroscopies in Water Vapor Atmosphere. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, A774	3.9	8
21	State-of-the-Art La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\lambda</math></sub> Cathode for SOFC: Microstructural and Electrochemical Properties. <i>ECS Transactions</i> , <b>2017</b> , 78, 747-758	1	7
20	Cold isostatic and explosive isodynamic compaction of Y-TZP nanoparticles. <i>Solid State Ionics</i> , <b>2002</b> , 154-155, 375-380	3.3	7
19	Quantification of Chemical Pressure in Doped Nanostructured Zirconia Ceramics. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8321-8326	3.4	7
18	Cyclic voltammetry and high-frequency series resistance of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\lambda</math></sub> electrode deposited on GDC: Effect of the electrode microstructure and the oxygen partial pressure. <i>Electrochimica Acta</i> , <b>2019</b> , 304, 312-322	6.7	6
17	Interfaces and Durability for Different LSCF/CGO/YSZ Systems for IT-SOFC. <i>ECS Transactions</i> , <b>2015</b> , 66, 109-114	1	6
16	Microstructure-Electrical Properties of Original LSCF Films Deposited by ESD for IT-SOFCs. <i>ECS Transactions</i> , <b>2010</b> , 28, 93-103	1	6
15	A Coupled Experimental/Numerical Approach for Tuning High-Performing SOFC-Cathode. <i>ECS Transactions</i> , <b>2016</b> , 72, 81-92	1	4
14	Electrical Characterization of Thin Films by an Original Micro-Electrode Calibration Method. <i>Electrochemical and Solid-State Letters</i> , <b>2012</b> , 15, F16		4
13	Durability of nanostructured LaPrNiO <sub>4+<math>\delta</math></sub> electrode for solid oxide cells: Electrochemical, microstructural, and structural investigation. <i>Journal of Power Sources</i> , <b>2020</b> , 450, 227724	8.9	4
12	Oxygen Reduction Reaction Electrocatalysis in Alkaline Electrolyte on Glassy-Carbon-Supported Nanostructured Pr <sub>6</sub> O <sub>11</sub> Thin-Films. <i>Catalysts</i> , <b>2018</b> , 8, 461	4	4
11	Improving the electrochemical performance of LaPrNiO <sub>4+<math>\delta</math></sub> as an oxygen electrode for intermediate temperature solid oxide cells by varying the architectural design. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 849, 113373	4.1	3
10	Physico-chemical characterization of highly pure nanocrystalline doped TZP. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1847-1850	6	3
9	Electrode kinetics of porous Ni-3YSZ cermet operated in fuel cell and electrolysis modes for solid oxide cell application. <i>Electrochimica Acta</i> , <b>2021</b> , 389, 138765	6.7	3

8	Influence of Gadolinia-Doped Ceria Buffer Layer on the Durability of LSCF/CGO/YSZ System for IT-SOFC. <i>ECS Transactions</i> , <b>2012</b> , 45, 295-305	1	2
7	One-step fabrication of single-phase hydroxyapatite coatings on Ti-alloy implants by electrostatic spray deposition: From microstructural investigation to in vitro studies. <i>Surface and Coatings Technology</i> , <b>2021</b> , 427, 127805	4.4	2
6	Coupling sol-gel with electrospray deposition: Towards nanotextured bioactive glass coatings. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 7288-7300	6	2
5	Transmission electron microscopy characterization of protective $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ coatings prepared by electrostatic spray deposition on ferritic alloy. <i>Functional Materials Letters</i> , <b>2017</b> , 10, 1750012	1.2	1
4	Fabrication by electrostatic spray deposition and structural investigation of ultra thin and dense zirconia films. <i>Thin Solid Films</i> , <b>2009</b> , 517, 6784-6788	2.2	1
3	Comparison of Electrochemical Performances of Electro sprayed LSCF Cathode Films for IT-SOFCs for Different Morphologies and Cobalt Contents. <i>ECS Transactions</i> , <b>2011</b> , 35, 2283-2294	1	1
2	Mechanical behavior of $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}\text{-La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ oxygen electrode with a coral microstructure for solid oxide fuel cell and solid oxide electrolyzer cell. <i>Ceramics International</i> , <b>2016</b> , 42, 16981-16991	5.1	1
1	Reaction Mechanisms of $\text{La}_2\text{NiO}_4$ oxygen Electrodes Operated in Electrolysis and Fuel Cell Mode. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 034518	3.9	1