

# Enrico Traversa

## List of Publications by Citations

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370  
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124  
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401  
ext. papers

20,655  
ext. citations

6.2  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
370	Solid oxide fuel cells (SOFCs): a review of an environmentally clean and efficient source of energy. <i>Renewable and Sustainable Energy Reviews</i> , <b>2002</b> , 6, 433-455	16.2	1090
369	Pharmacological potential of cerium oxide nanoparticles. <i>Nanoscale</i> , <b>2011</b> , 3, 1411-20	7.7	658
368	Ceramic sensors for humidity detection: the state-of-the-art and future developments. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 23, 135-156	8.5	649
367	Copper Nanoparticle/Polymer Composites with Antifungal and Bacteriostatic Properties. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5255-5262	9.6	633
366	Materials challenges toward proton-conducting oxide fuel cells: a critical review. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 4355-69	58.5	575
365	Towards the next generation of solid oxide fuel cells operating below 600 °C with chemically stable proton-conducting electrolytes. <i>Advanced Materials</i> , <b>2012</b> , 24, 195-208	24	389
364	High proton conduction in grain-boundary-free yttrium-doped barium zirconate films grown by pulsed laser deposition. <i>Nature Materials</i> , <b>2010</b> , 9, 846-52	27	389
363	Tailoring the chemical stability of Ba(Ce <sub>0.8</sub> Zr <sub>x</sub> )Y <sub>0.2</sub> O <sub>3-δ</sub> protonic conductors for Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). <i>Solid State Ionics</i> , <b>2008</b> , 179, 558-564	3.3	375
362	Engineering materials and biology to boost performance of microbial fuel cells: a critical review. <i>Energy and Environmental Science</i> , <b>2008</b> , 1, 417	35.4	290
361	Ce <sup>IV</sup> ions determine redox-dependent anti-apoptotic effect of cerium oxide nanoparticles. <i>ACS Nano</i> , <b>2011</b> , 5, 4537-49	16.7	281
360	Catalytic Properties and Biomedical Applications of Cerium Oxide Nanoparticles. <i>Environmental Science: Nano</i> , <b>2015</b> , 2, 33-53	7.1	280
359	Steam electrolysis by solid oxide electrolysis cells (SOECs) with proton-conducting oxides. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 8255-70	58.5	269
358	Cerium oxide nanoparticles protect cardiac progenitor cells from oxidative stress. <i>ACS Nano</i> , <b>2012</b> , 6, 3767-75	16.7	263
357	Fuel cells, an alternative to standard sources of energy. <i>Renewable and Sustainable Energy Reviews</i> , <b>2002</b> , 6, 295-304	16.2	212
356	Screen-printed perovskite-type thick films as gas sensors for environmental monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 55, 99-110	8.5	204
355	Water adsorption on the stoichiometric and reduced CeO <sub>2</sub> (111) surface: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 9188-99	3.6	198
354	Nafion <sup>®</sup> /O <sub>2</sub> composite DMFC membranes: physico-chemical properties of the filler versus electrochemical performance. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 1241-1246	6.7	196

353	Design of Electroceramics for Solid Oxides Fuel Cell Applications: Playing with Ceria. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 1037-1051	3.8	195
352	Controlling the porosity of fibrous scaffolds by modulating the fiber diameter and packing density. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 96, 566-74	5.4	191
351	Chemically Stable Pr and Y Co-Doped Barium Zirconate Electrolytes with High Proton Conductivity for Intermediate-Temperature Solid Oxide Fuel Cells. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 158-166	15.6	173
350	Multiscale three-dimensional scaffolds for soft tissue engineering via multimodal electrospinning. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 1227-37	10.8	168
349	Nafion <sup>®</sup> /TiO <sub>2</sub> hybrid membranes for medium temperature polymer electrolyte fuel cells (PEFCs). <i>Journal of Power Sources</i> , <b>2005</b> , 152, 16-21	8.9	168
348	Antifungal activity of polymer-based copper nanocomposite coatings. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2417-2419	3.4	160
347	Crystallographic characterization and NO <sub>2</sub> gas sensing property of LnFeO <sub>3</sub> prepared by thermal decomposition of Ln <sup>3+</sup> Fe hexacyanocomplexes, Ln[Fe(CN) <sub>6</sub> ] <sup>n</sup> H <sub>2</sub> O, Ln = La, Nd, Sm, Gd, and Dy. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 94, 132-139	8.5	146
346	Does the increase in Y-dopant concentration improve the proton conductivity of BaZr <sub>1-x</sub> Y <sub>x</sub> O <sub>3</sub> fuel cell electrolytes?. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1043-1051	3.3	145
345	Stem Cell Aligned Growth Induced by CeO <sub>2</sub> Nanoparticles in PLGA Scaffolds with Improved Bioactivity for Regenerative Medicine. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1617-1624	15.6	143
344	Ceramic thin films by sol-gel processing as novel materials for integrated humidity sensors. <i>Sensors and Actuators B: Chemical</i> , <b>1996</b> , 31, 59-70	8.5	136
343	Photovoltaic properties of Bi <sub>2</sub> FeCrO <sub>6</sub> epitaxial thin films. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 202902	3.4	130
342	Stability and morphology of cerium oxide surfaces in an oxidizing environment: A first-principles investigation. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 104701	3.9	129
341	Room-temperature giant persistent photoconductivity in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> heterostructures. <i>ACS Nano</i> , <b>2012</b> , 6, 1278-83	16.7	123
340	NO <sub>2</sub> sensitive LaFeO <sub>3</sub> thin films prepared by r.f. sputtering. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 25, 661-664	8.5	123
339	Ionic conductivity in oxide heterostructures: the role of interfaces. <i>Science and Technology of Advanced Materials</i> , <b>2010</b> , 11, 054503	7.1	121
338	High-performance composite cathodes with tailored mixed conductivity for intermediate temperature solid oxide fuel cells using proton conducting electrolytes. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 4984	35.4	116
337	Microstructure and Electrical Properties of MgAl <sub>2</sub> O <sub>4</sub> Thin Films for Humidity Sensing. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 743-750	3.8	115
336	SPEEK-TiO <sub>2</sub> nanocomposite hybrid proton conductive membranes via in situ mixed sol-gel process. <i>Journal of Membrane Science</i> , <b>2007</b> , 296, 156-161	9.6	107

335	Hippo pathway effectors control cardiac progenitor cell fate by acting as dynamic sensors of substrate mechanics and nanostructure. <i>ACS Nano</i> , <b>2014</b> , 8, 2033-47	16.7	106
334	Sinteractive anodic powders improve densification and electrochemical properties of BaZr <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3-δ</sub> electrolyte films for anode-supported solid oxide fuel cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1352	35.4	105
333	The NO <sub>2</sub> response of solid electrolyte sensors made using nano-sized LaFeO <sub>3</sub> electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 76, 483-488	8.5	105
332	Lowering grain boundary resistance of BaZr <sub>(0.8)</sub> Y <sub>(0.2)</sub> O <sub>(3-δ)</sub> with LiNO <sub>3</sub> sintering-aid improves proton conductivity for fuel cell operation. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 7692-700	3.6	103
331	Cerium oxide nanoparticles, combining antioxidant and UV shielding properties, prevent UV-induced cell damage and mutagenesis. <i>Nanoscale</i> , <b>2015</b> , 7, 15643-56	7.7	102
330	Composite Cathodes for Proton Conducting Electrolytes. <i>Fuel Cells</i> , <b>2009</b> , 9, 128-138	2.9	102
329	High-performance bilayered electrolyte intermediate temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1504-1507	5.1	102
328	Electrode materials: a challenge for the exploitation of protonic solid oxide fuel cells. <i>Science and Technology of Advanced Materials</i> , <b>2010</b> , 11, 044301	7.1	101
327	Sol-Gel Processed TiO <sub>2</sub> -Based Nano-Sized Powders for Use in Thick-Film Gas Sensors for Atmospheric Pollutant Monitoring. <i>Journal of Sol-Gel Science and Technology</i> , <b>2001</b> , 22, 167-179	2.3	96
326	The effect of cerium valence states at cerium oxide nanoparticle surfaces on cell proliferation. <i>Biomaterials</i> , <b>2014</b> , 35, 4441-53	15.6	94
325	Chemically stable anode-supported solid oxide fuel cells based on Y-doped barium zirconate thin films having improved performance. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 977-980	5.1	94
324	Fabrication and Electrochemical Properties of Epitaxial Samarium-Doped Ceria Films on SrTiO <sub>3</sub> -Buffered MgO Substrates. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1713-1719	15.6	90
323	Enhancement of ionic conductivity in Sm-doped ceria/yttria-stabilized zirconia heteroepitaxial structures. <i>Small</i> , <b>2010</b> , 6, 1863-7	11	90
322	Gas-sensitive electrical properties of perovskite-type SmFeO <sub>3</sub> thick films. <i>Sensors and Actuators B: Chemical</i> , <b>1998</b> , 48, 270-276	8.5	89
321	Criticality of the biological and physical stimuli array inducing resident cardiac stem cell determination. <i>Stem Cells</i> , <b>2008</b> , 26, 2093-103	5.8	89
320	Tailoring the Cathode-Electrolyte Interface with Nanoparticles for Boosting the Solid Oxide Fuel Cell Performance of Chemically Stable Proton-Conducting Electrolytes. <i>Small</i> , <b>2018</b> , 14, e1801231	11	86
319	Design and fabrication of a chemically-stable proton conductor bilayer electrolyte for intermediate temperature solid oxide fuel cells (IT-SOFCs). <i>Energy and Environmental Science</i> , <b>2008</b> , 1, 355	35.4	86
318	Synthesis strategies for improving the performance of doped-BaZrO <sub>3</sub> materials in solid oxide fuel cell applications. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 1-15	2.5	84

3 <sup>17</sup>	Design of BaZr <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3</sub> Protonic Conductor to Improve the Electrochemical Performance in Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). <i>Fuel Cells</i> , <b>2008</b> , 8, 69-76	2.9	83
3 <sup>16</sup>	Substrate stiffness modulates gene expression and phenotype in neonatal cardiomyocytes in vitro. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 1837-48	3.9	78
3 <sup>15</sup>	A Simple New Route to Covalent Organic/Inorganic Hybrid Proton Exchange Polymeric Membranes. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 69-75	9.6	78
3 <sup>14</sup>	Effect of anode functional layer on the performance of proton-conducting solid oxide fuel cells (SOFCs). <i>Electrochemistry Communications</i> , <b>2012</b> , 16, 37-40	5.1	76
3 <sup>13</sup>	Tensile lattice distortion does not affect oxygen transport in yttria-stabilized zirconia-CeO <sub>2</sub> heterointerfaces. <i>ACS Nano</i> , <b>2012</b> , 6, 10524-34	16.7	76
3 <sup>12</sup>	Low temperature ethanol steam reforming in a Pd-Ag membrane reactorPart 1: Ru-based catalyst. <i>Journal of Membrane Science</i> , <b>2008</b> , 308, 250-257	9.6	76
3 <sup>11</sup>	Effect of synthetic route on sintering behaviour, phase purity and conductivity of Sr- and Mg-doped LaGaO <sub>3</sub> perovskites. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 1365-1370	6	76
3 <sup>10</sup>	Electrochemical NO <sub>x</sub> Sensors Based on Interfacing Nanosized LaFeO <sub>3</sub> Perovskite-Type Oxide and Ionic Conductors. <i>Journal of the Electrochemical Society</i> , <b>2001</b> , 148, H98	3.9	76
3 <sup>09</sup>	Planar electrochemical sensors based on tape-cast YSZ layers and oxide electrodes. <i>Solid State Ionics</i> , <b>2004</b> , 171, 173-181	3.3	75
3 <sup>08</sup>	MgAl <sub>2</sub> O <sub>4</sub> spinel powders from oxide one pot synthesis (OOPS) process for ceramic humidity sensors. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 91-97	6	75
3 <sup>07</sup>	Sol-gel processed TiO <sub>2</sub> -based thin films as innovative humidity sensors. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 25, 705-709	8.5	75
3 <sup>06</sup>	A novel ionic diffusion strategy to fabricate high-performance anode-supported solid oxide fuel cells (SOFCs) with proton-conducting Y-doped BaZrO <sub>3</sub> films. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 409-412	35.4	74
3 <sup>05</sup>	Humidity sensors based on mesoporous silica thin films synthesised by block copolymers. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 1969-1972	6	74
3 <sup>04</sup>	Titania Nanosheets (TNS)/Sulfonated Poly Ether Ether Ketone (SPEEK) Nanocomposite Proton Exchange Membranes for Fuel Cells. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1126-1133	9.6	71
3 <sup>03</sup>	The development of gas sensor for carbon monoxide monitoring using nanostructure of Nb <sub>2</sub> O <sub>5</sub> . <i>Science and Technology of Advanced Materials</i> , <b>2005</b> , 6, 359-363	7.1	71
3 <sup>02</sup>	Electrochemical Properties and Intermediate-Temperature Fuel Cell Performance of Dense Yttrium-Doped Barium Zirconate with Calcium Addition. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 627-635	3.8	70
3 <sup>01</sup>	Preparation and characterization of nanosized titania sensing film. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 77, 163-166	8.5	70
3 <sup>00</sup>	Composite Mesoporous Titania Nafion-Based Membranes for Direct Methanol Fuel Cell Operation at High Temperature. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, A1373	3.9	69

299	Thick-Film Gas Sensors Based on Nano-Sized Semiconducting Oxide Powders. <i>MRS Bulletin</i> , <b>1999</b> , 24, 30-36	3.2	69
298	Y-doped BaZrO <sub>3</sub> as a chemically stable electrolyte for proton-conducting solid oxide electrolysis cells (SOECs). <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5815-5819	13	68
297	Fabrication of bioactive glass-ceramic foams mimicking human bone portions for regenerative medicine. <i>Acta Biomaterialia</i> , <b>2008</b> , 4, 362-9	10.8	68
296	High performance anode-supported intermediate temperature solid oxide fuel cells (IT-SOFCs) with La <sub>0.8</sub> Sr <sub>0.2</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> electrolyte films prepared by electrophoretic deposition. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1680-1683	5.1	66
295	Stability of the Ce <sup>3+</sup> valence state in cerium oxide nanoparticle layers. <i>Nanoscale</i> , <b>2012</b> , 4, 4950-3	7.7	65
294	A covalent organic/inorganic hybrid proton exchange polymeric membrane: synthesis and characterization. <i>Polymer</i> , <b>2005</b> , 46, 1754-1758	3.9	65
293	Cerium oxide nanoparticles: a promise for applications in therapy. <i>Journal of Experimental Therapeutics and Oncology</i> , <b>2011</b> , 9, 47-51	0.8	65
292	Microstructural evolution of nanosized LaFeO <sub>3</sub> powders from the thermal decomposition of a cyano-complex for thick film gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>1997</b> , 44, 590-594	8.5	64
291	Sulfonated polyether ether ketone and hydrated tin oxide proton conducting composites for direct methanol fuel cell applications. <i>Journal of Power Sources</i> , <b>2008</b> , 178, 554-560	8.9	64
290	Design of Ceramic Materials for Chemical Sensors: Effect of SmFeO <sub>3</sub> Processing on Surface and Electrical Properties. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 341-47	3.8	64
289	Electrical and structural characterisation of mesoporous silica thin films as humidity sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 76, 299-303	8.5	64
288	A novel synthetic approach of cerium oxide nanoparticles with improved biomedical activity. <i>Scientific Reports</i> , <b>2017</b> , 7, 4636	4.9	63
287	Sinteractivity, proton conductivity and chemical stability of BaZr <sub>0.7</sub> In <sub>0.3</sub> O <sub>3-<math>\delta</math></sub> for solid oxide fuel cells (SOFCs). <i>Solid State Ionics</i> , <b>2011</b> , 196, 59-64	3.3	63
286	Sensing Mechanism of Potentiometric Gas Sensors Based on Stabilized Zirconia with Oxide Electrodes. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, H133	3.9	63
285	Thermal evolution of nanosized LaFeO <sub>3</sub> powders from a heteronuclear complex, La[Fe(CN) <sub>6</sub> ]·nH <sub>2</sub> O. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 278, 135-141	5.7	62
284	Mesoporous silica thin films for alcohol sensors. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1985-1988	6.1	61
283	Tailoring mixed proton-electronic conductivity of BaZrO <sub>3</sub> by Y and Pr co-doping for cathode application in protonic SOFCs. <i>Solid State Ionics</i> , <b>2011</b> , 202, 30-35	3.3	60
282	Effect of Dopant Host Ionic Radii Mismatch on Acceptor-Doped Barium Zirconate Microstructure and Proton Conductivity. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 9739-9747	3.8	59

281	A novel humidity-detection mechanism for ZnO dense pellets. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 23, 181-186	8.5	59
280	Nano-structured perovskite oxide electrodes for planar electrochemical sensors using tape casted YSZ layers. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 1187-1190	6	57
279	Thermal evolution of the microstructure of nanosized LaFeO <sub>3</sub> powders from the thermal decomposition of a heteronuclear complex, La[Fe(CN) <sub>6</sub> ] · 5H <sub>2</sub> O. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 1335-1344	2.5	57
278	Scalable Oxygen-Ion Transport Kinetics in Metal-Oxide Films: Impact of Thermally Induced Lattice Compaction in Acceptor Doped Ceria Films. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1562-1574	15.6	55
277	Increasing the operation temperature of polymer electrolyte membranes for fuel cells: From nanocomposites to hybrids. <i>Journal of Power Sources</i> , <b>2006</b> , 159, 12-20	8.9	55
276	Study of YSZ-Based Electrochemical Sensors with WO <sub>3</sub> Electrodes in NO <sub>2</sub> and CO Environments. <i>Journal of the Electrochemical Society</i> , <b>2003</b> , 150, H33	3.9	55
275	Tailoring cations in a perovskite cathode for proton-conducting solid oxide fuel cells with high performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20624-20632	13	54
274	Rough fibrils provide a toughening mechanism in biological fibers. <i>ACS Nano</i> , <b>2012</b> , 6, 1961-9	16.7	54
273	Sol-gel synthesis, X-ray photoelectron spectroscopy and electrical conductivity of Co-doped (La, Sr)(Ga, Mg)O <sub>3</sub> perovskites. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 4291-4296	6	54
272	Solid oxide fuel cells with proton-conducting La <sub>0.99</sub> Ca <sub>0.01</sub> NbO <sub>4</sub> electrolyte. <i>Electrochimica Acta</i> , <b>2018</b> , 260, 748-754	6.7	54
271	Nafion-based composite electrolytes for proton exchange membrane fuel cells operating above 120°C with titania nanoparticles and nanotubes as fillers. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 1061-1068	8.9	52
270	Improved total conductivity of nanometric samaria-doped ceria powders sintered with molten LiNO <sub>3</sub> additive. <i>Solid State Ionics</i> , <b>2009</b> , 180, 1069-1075	3.3	51
269	Nanostructured thick-film gas sensors for atmospheric pollutant monitoring: quantitative analysis on field tests. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 76, 336-342	8.5	51
268	Cerium oxide nanoparticles inhibit differentiation of neural stem cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 9284	4.9	50
267	Preparation and characterization of perovskite-type Ln <sub>x</sub> Ln <sub>1-x</sub> CoO <sub>3</sub> for electroceramic applications. <i>Journal of Materials Chemistry</i> , <b>1996</b> , 6, 1355-1360		50
266	Non-Nernstian planar sensors based on YSZ with a Nb <sub>2</sub> O <sub>5</sub> electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 129, 591-598	8.5	49
265	SPEEK/PPSU-based organic-inorganic membranes: proton conducting electrolytes in anhydrous and wet environments. <i>Journal of Membrane Science</i> , <b>2006</b> , 279, 186-191	9.6	48
264	BaZr <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3-δ</sub> /NiO Composite Anodic Powders for Proton-Conducting SOFCs Prepared by a Combustion Method. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, B797	3.9	47

263	Solid state ceramic gas sensors based on interfacing ionic conductors with semiconducting oxides. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 2691-2699	6	47
262	Array of thick film sensors for atmospheric pollutant monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 68, 1-8	8.5	47
261	Study of different nanostructured carbon supports for fuel cell catalysts. <i>Journal of Power Sources</i> , <b>2009</b> , 194, 243-251	8.9	46
260	Dry turning of alumina/aluminum composites with CVD diamond coated Co-cemented tungsten carbide tools. <i>Surface and Coatings Technology</i> , <b>2003</b> , 166, 127-134	4.4	45
259	Sol-Gel Preparation and Characterization of Ag-TiO <sub>2</sub> Nanocomposite Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 733-736	2.3	45
258	Design of Ceramic Materials for Chemical Sensors: SmFeO <sub>3</sub> Thick Films Sensitive to NO <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>1999</b> , 82, 2442-2450	3.8	45
257	Mechanism of LaFeO <sub>3</sub> Perovskite-Type Oxide Formation from the Thermal Decomposition of d-f Heteronuclear Complex La[Fe(CN) <sub>6</sub> ]-5H <sub>2</sub> O. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 1401-1404	3.8	45
256	Magnesium aluminium spinel thin film as a humidity sensor. <i>Sensors and Actuators B: Chemical</i> , <b>1992</b> , 7, 460-463	8.5	45
255	Environmental monitoring field tests using screen-printed thick-film sensors based on semiconducting oxides. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 65, 181-185	8.5	44
254	Humidity-Sensitive Properties of Titania Films Prepared Using the Sol-Gel Process. <i>Journal of the Ceramic Society of Japan</i> , <b>1993</b> , 101, 1095-1100		44
253	Study of the conduction mechanism of La <sub>2</sub> CuO <sub>4</sub> /ZnO heterocontacts at different relative humidities. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 25, 714-718	8.5	43
252	Not Only Redox: The Multifaceted Activity of Cerium Oxide Nanoparticles in Cancer Prevention and Therapy. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 309	5.3	42
251	Human cardiac progenitor cell grafts as unrestricted source of supernumerary cardiac cells in healthy murine hearts. <i>Stem Cells</i> , <b>2011</b> , 29, 2051-61	5.8	42
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