

Enrico Traversa

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/639651/enrico-traversa-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

370
papers

19,011
citations

70
h-index

124
g-index

401
ext. papers

20,655
ext. citations

6.2
avg, IF

6.84
L-index

#	Paper	IF	Citations
370	Defect Engineering for Tuning the Photoresponse of Ceria-Based Solid Oxide Photoelectrochemical Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 541-551	9.5	8
369	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. <i>Catalysis Letters</i> , 2021 , 151, 3516	2.8	10
368	Electrospun zirconia nanofibers for enhancing the electrochemical synthesis of ammonia by artificial nitrogen fixation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2145-2151	13	19
367	Iron-Doped MoO Nanosheets for Boosting Nitrogen Fixation to Ammonia at Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7142-7151	9.5	6
366	Monodisperse Cu Cluster-Loaded Defective ZrO Nanofibers for Ambient N Fixation to NH. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40724-40730	9.5	2
365	Enhanced Oxygen Evolution Activity of CoO _{1-x} Sr _{0.3} MnO _{3-x} Heterostructured Thin Film. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7988-7996	6.1	3
364	Biofabrication of Hepatic Constructs by 3D Bioprinting of a Cell-Laden Thermogel: An Effective Tool to Assess Drug-Induced Hepatotoxic Response. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2001163	10.1	21
363	An Upgraded Lithium Ion Battery Based on a Polymeric Separator Incorporated with Anode Active Materials. <i>Advanced Energy Materials</i> , 2019 , 9, 1803627	21.8	31
362	EGFR/ErbB Inhibition Promotes OPC Maturation up to Axon Engagement by Co-Regulating PIP2 and MBP. <i>Cells</i> , 2019 , 8,	7.9	6
361	Tailoring cations in a perovskite cathode for proton-conducting solid oxide fuel cells with high performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20624-20632	13	54
360	Pulsatile Discharge from Polymeric Scaffolds: A Novel Method for Modulated Drug Release. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 1237-1244	5.1	5
359	Nanoceria acting as oxygen reservoir for biocathodes in microbial fuel cells. <i>Electrochimica Acta</i> , 2019 , 325, 134954	6.7	6
358	Interface Effects on the Ionic Conductivity of Doped Ceria-Yttria-Stabilized Zirconia Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14160-14169	9.5	20
357	Tailoring the Cathode-Electrolyte Interface with Nanoparticles for Boosting the Solid Oxide Fuel Cell Performance of Chemically Stable Proton-Conducting Electrolytes. <i>Small</i> , 2018 , 14, e1801231	11	86
356	Not Only Redox: The Multifaceted Activity of Cerium Oxide Nanoparticles in Cancer Prevention and Therapy. <i>Frontiers in Oncology</i> , 2018 , 8, 309	5.3	42
355	Nanostructured Cathodes: Tailoring the Cathode-Electrolyte Interface with Nanoparticles for Boosting the Solid Oxide Fuel Cell Performance of Chemically Stable Proton-Conducting Electrolytes (Small 32/2018). <i>Small</i> , 2018 , 14, 1870146	11	1
354	Nanostructuring the electronic conducting La _{0.8} Sr _{0.2} MnO _{3-x} cathode for high-performance in proton-conducting solid oxide fuel cells below 600°C. <i>Science China Materials</i> , 2018 , 61, 57-64	7.1	39

353	Solid oxide fuel cells with proton-conducting La _{0.99} Ca _{0.01} NbO ₄ electrolyte. <i>Electrochimica Acta</i> , 2018 , 260, 748-754	6.7	54
352	Cerium Oxide Nanoparticles Re-establish Cell Integrity Checkpoints and Apoptosis Competence in Irradiated HaCat Cells via Novel Redox-Independent Activity. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1183	5.6	9
351	Effect of Dopant Host Ionic Radii Mismatch on Acceptor-Doped Barium Zirconate Microstructure and Proton Conductivity. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9739-9747	3.8	59
350	Slow release of etoposide from dextran conjugation shifts etoposide activity from cytotoxicity to differentiation: A promising tool for dosage control in anticancer metronomic therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 2005-2014	6	4
349	Grabbing pebbles out of my shoes: Thoughts of a grumpy old researcher on funding. <i>MRS Bulletin</i> , 2017 , 42, 693	3.2	
348	Cerium oxide nanoparticles inhibit differentiation of neural stem cells. <i>Scientific Reports</i> , 2017 , 7, 9284	4.9	50
347	CO ₂ -Stable Alkaline-Earth-Free Solid Oxide Fuel Cells with Ni _{0.7} Co _{0.3} O-Ce _{0.8} Sm _{0.2} O _{1.9} Composite Cathodes. <i>ECS Transactions</i> , 2017 , 78, 489-497	1	
346	A novel synthetic approach of cerium oxide nanoparticles with improved biomedical activity. <i>Scientific Reports</i> , 2017 , 7, 4636	4.9	63
345	Grabbing pebbles out of my shoes: Thoughts of a grumpy old researcher on publishing research. <i>MRS Bulletin</i> , 2017 , 42, 775-777	3.2	1
344	Enhanced performance of symmetrical solid oxide fuel cells using a doped ceria buffer layer. <i>Electrochimica Acta</i> , 2016 , 208, 318-324	6.7	36
343	First-principles molecular dynamics simulations of proton diffusion in cubic BaZrO ₃ perovskite under strain conditions. <i>Materials for Renewable and Sustainable Energy</i> , 2016 , 5, 1	4.7	7
342	Influence of ceria nanoparticles on chemical structure and properties of segmented polyesters. <i>Materials Science and Engineering C</i> , 2015 , 53, 15-22	8.3	2
341	Reversible solid oxide fuel cells (R-SOFCs) with chemically stable proton-conducting oxides. <i>Solid State Ionics</i> , 2015 , 275, 101-105	3.3	30
340	Y and Ni Co-Doped BaZrO ₃ as a Proton-Conducting Solid Oxide Fuel Cell Electrolyte Exhibiting Superior Power Performance. <i>Journal of the Electrochemical Society</i> , 2015 , 162, F1498-F1503	3.9	25
339	Catalytic Properties and Biomedical Applications of Cerium Oxide Nanoparticles. <i>Environmental Science: Nano</i> , 2015 , 2, 33-53	7.1	280
338	A primer of statistical methods for correlating parameters and properties of electrospun poly(L-lactide) scaffolds for tissue engineering--PART 1: design of experiments. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 91-102	5.4	16
337	A primer of statistical methods for correlating parameters and properties of electrospun poly(L-lactide) scaffolds for tissue engineering--PART 2: regression. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 103-114	5.4	14
336	Y-doped BaZrO ₃ as a chemically stable electrolyte for proton-conducting solid oxide electrolysis cells (SOECs). <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5815-5819	13	68

335	Cerium oxide nanoparticles, combining antioxidant and UV shielding properties, prevent UV-induced cell damage and mutagenesis. <i>Nanoscale</i> , 2015 , 7, 15643-56	7.7	102
334	Probing the bulk ionic conductivity by thin film hetero-epitaxial engineering. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 015001	7.1	15
333	The effect of cerium valence states at cerium oxide nanoparticle surfaces on cell proliferation. <i>Biomaterials</i> , 2014 , 35, 4441-53	15.6	94
332	Synthesis strategies for improving the performance of doped-BaZrO ₃ materials in solid oxide fuel cell applications. <i>Journal of Materials Research</i> , 2014 , 29, 1-15	2.5	84
331	Hippo pathway effectors control cardiac progenitor cell fate by acting as dynamic sensors of substrate mechanics and nanostructure. <i>ACS Nano</i> , 2014 , 8, 2033-47	16.7	106
330	Air, aqueous and thermal stabilities of Ce ³⁺ ions in cerium oxide nanoparticle layers with substrates. <i>Nanoscale</i> , 2014 , 6, 6637-45	7.7	13
329	Steam electrolysis by solid oxide electrolysis cells (SOECs) with proton-conducting oxides. <i>Chemical Society Reviews</i> , 2014 , 43, 8255-70	58.5	269
328	CH _x adsorption ($x = 1\bar{4}$) and thermodynamic stability on the CeO ₂ (111) surface: a first-principles investigation. <i>RSC Advances</i> , 2014 , 4, 12245	3.7	13
327	Non-Nernstian Planar Sensors Based on YSZ with Ta (10 at.%) -Doped Nanosized Titania as a Sensing Electrode for High-Temperature Applications 2014 , 325-332		
326	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> , 2014 , 24, 1562-1574	15.6	55
325	Maturation and demise of human primary monocytes by carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	6
324	Improving the Performance of SOFC Anodes by Decorating Perovskite with Ni Nanoparticles. <i>ECS Transactions</i> , 2013 , 57, 1211-1216	1	2
323	Controllable Impregnation Via Inkjet Printing for the Fabrication of Solid Oxide Cell Air Electrodes. <i>ECS Transactions</i> , 2013 , 57, 1851-1857	1	8
322	A chemically stable electrolyte with a novel sandwiched structure for proton-conducting solid oxide fuel cells (SOFCs). <i>Electrochemistry Communications</i> , 2013 , 36, 42-45	5.1	23
321	Growth mechanisms of ceria- and zirconia-based epitaxial thin films and hetero-structures grown by pulsed laser deposition. <i>Materials for Renewable and Sustainable Energy</i> , 2013 , 2, 1	4.7	12
320	Strontium and iron-doped barium cobaltite prepared by solution combustion synthesis: exploring a mixed-fuel approach for tailored intermediate temperature solid oxide fuel cell cathode materials. <i>Materials for Renewable and Sustainable Energy</i> , 2013 , 2, 1	4.7	28
319	Effect of anode functional layer on the performance of proton-conducting solid oxide fuel cells (SOFCs). <i>Electrochemistry Communications</i> , 2012 , 16, 37-40	5.1	76
318	Tailoring phase stability and electrical conductivity of Sr _{0.02} La _{0.98} Nb _{1-x} TaxO ₄ for intermediate temperature fuel cell proton conducting electrolytes. <i>Solid State Ionics</i> , 2012 , 216, 6-10	3.3	10

317	Novel Ba _{0.5} Sr _{0.5} (Co _{0.8} Fe _{0.2}) _{1-x} Ti _x O ₃ (x=0, 0.05, and 0.1) cathode materials for proton-conducting solid oxide fuel cells. <i>Solid State Ionics</i> , 2012 , 214, 1-5	3.3	28
316	Towards the next generation of solid oxide fuel cells operating below 600 °C with chemically stable proton-conducting electrolytes. <i>Advanced Materials</i> , 2012 , 24, 195-208	24	389
315	Sulphonated poly ether ether ketone/amino-diphenylsilandiol composite electrolyte for PEM fuel cells. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2610-2614	2.9	1
314	Tensile lattice distortion does not affect oxygen transport in yttria-stabilized zirconia-CeO ₂ heterointerfaces. <i>ACS Nano</i> , 2012 , 6, 10524-34	16.7	76
313	Stability of the Ce ³⁺ valence state in cerium oxide nanoparticle layers. <i>Nanoscale</i> , 2012 , 4, 4950-3	7.7	65
312	Rough fibrils provide a toughening mechanism in biological fibers. <i>ACS Nano</i> , 2012 , 6, 1961-9	16.7	54
311	Layered tetratitanate intercalating sulfanilic acid for organic/inorganic proton conductors. <i>Solid State Ionics</i> , 2012 , 227, 73-79	3.3	6
310	Effects of tin phosphate nanosheet addition on proton-conducting properties of sulfonated poly(ether sulfone) membranes. <i>Solid State Ionics</i> , 2012 , 228, 8-13	3.3	4
309	Electric-field-induced current-voltage characteristics in electronic conducting perovskite thin films. <i>Applied Physics Letters</i> , 2012 , 100, 012101	3.4	6
308	Role of Dislocation Density on the Sample-Size Effect in Nanoscale Plastic Yielding. <i>Journal of Nanomechanics & Micromechanics</i> , 2012 , 2, 42-48		8
307	Room-temperature giant persistent photoconductivity in SrTiO ₃ /LaAlO ₃ heterostructures. <i>ACS Nano</i> , 2012 , 6, 1278-83	16.7	123
306	Cerium oxide nanoparticles protect cardiac progenitor cells from oxidative stress. <i>ACS Nano</i> , 2012 , 6, 3767-75	16.7	263
305	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> , 2012 , 95, 627-635	3.8	70
304	Electrolyte materials for solid oxide fuel cells derived from metal complexes: Gadolinia-doped ceria. <i>Ceramics International</i> , 2012 , 38, 2403-2409	5.1	34
303	Materials for sustainable development. <i>MRS Bulletin</i> , 2012 , 37, 303-309	3.2	21
302	Ab initio investigation of defect formation at ZrO ₂ -CeO ₂ interfaces. <i>Physical Review B</i> , 2012 , 86,	3.3	15
301	Proton conductors for solid oxide fuel cells (SOFCs) 2012 , 515-537		
300	Substrate stiffness modulates gene expression and phenotype in neonatal cardiomyocytes in vitro. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1837-48	3.9	78

299	Substrate stiffness affects skeletal myoblast differentiation. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 064211	7.1	31
298	Pulsed Laser Deposition of Superlattices Based on Ceria and Zirconia. <i>ECS Transactions</i> , 2011 , 35, 1125-1130		3
297	Ce ^{IV} ions determine redox-dependent anti-apoptotic effect of cerium oxide nanoparticles. <i>ACS Nano</i> , 2011 , 5, 4537-49	16.7	281
296	Pharmacological potential of cerium oxide nanoparticles. <i>Nanoscale</i> , 2011 , 3, 1411-20	7.7	658
295	BaZr _{0.8} Y _{0.2} O ₃ /NiO Composite Anodic Powders for Proton-Conducting SOFCs Prepared by a Combustion Method. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B797	3.9	47
294	Spider silk as a load bearing biomaterial: tailoring mechanical properties via structural modifications. <i>Nanoscale</i> , 2011 , 3, 870-6	7.7	25
293	Sinteractivity, proton conductivity and chemical stability of BaZr _{0.7} In _{0.3} O _{3-δ} for solid oxide fuel cells (SOFCs). <i>Solid State Ionics</i> , 2011 , 196, 59-64	3.3	63
292	Tailoring mixed proton-electronic conductivity of BaZrO ₃ by Y and Pr co-doping for cathode application in protonic SOFCs. <i>Solid State Ionics</i> , 2011 , 202, 30-35	3.3	60
291	La ₂ CuO ₄ sensing electrode configuration influence on sensitivity and selectivity for a multifunctional potentiometric gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 957-963	8.5	13
290	NO ₂ adsorption behaviour on LaFeO ₃ electrodes of YSZ-based non-nernstian electrochemical sensors. <i>Journal of Electroceramics</i> , 2011 , 26, 28-31	1.5	8
289	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> , 2011 , 196, 1061-1068	8.9	52
288	Human cardiac progenitor cell grafts as unrestricted source of supernumerary cardiac cells in healthy murine hearts. <i>Stem Cells</i> , 2011 , 29, 2051-61	5.8	42
287	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> , 2011 , 21, 158-166	15.6	173
286	Cooperation of biological and mechanical signals in cardiac progenitor cell differentiation. <i>Advanced Materials</i> , 2011 , 23, 514-8	24	30
285	Anode Supported Protonic Solid Oxide Fuel Cells Fabricated Using Electrophoretic Deposition. <i>Fuel Cells</i> , 2011 , 11, 165-171	2.9	24
284	Controlling the porosity of fibrous scaffolds by modulating the fiber diameter and packing density. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 96, 566-74	5.4	191
283	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> , 2011 , 4, 4984	35.4	116
282	Electrode tailoring improves the intermediate temperature performance of solid oxide fuel cells based on a Y and Pr co-doped barium zirconate proton conducting electrolyte. <i>RSC Advances</i> , 2011 , 1, 1183	3.7	29

281	A novel ionic diffusion strategy to fabricate high-performance anode-supported solid oxide fuel cells (SOFCs) with proton-conducting Y-doped BaZrO ₃ films. <i>Energy and Environmental Science</i> , 2011 , 4, 409-412	35.4	74
280	The critical role of water in spider silk and its consequence for protein mechanics. <i>Nanoscale</i> , 2011 , 3, 3805-11	7.7	27
279	Nanomechanics for MEMS: a structural design perspective. <i>Nanoscale</i> , 2011 , 3, 811-24	7.7	16
278	Lowering grain boundary resistance of BaZr _{0.8} Y _{0.2} O _{3-δ} with LiNO ₃ sintering-aid improves proton conductivity for fuel cell operation. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7692-700	3.6	103
277	Sinteractive anodic powders improve densification and electrochemical properties of BaZr _{0.8} Y _{0.2} O _{3-δ} electrolyte films for anode-supported solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2011 , 4, 1352	35.4	105
276	Photovoltaic properties of Bi ₂ FeCrO ₆ epitaxial thin films. <i>Applied Physics Letters</i> , 2011 , 98, 202902	3.4	130
275	ZrO ₂ -CeO ₂ Interface Properties: A First-Principle Investigation. <i>ECS Transactions</i> , 2011 , 35, 1203-1210	1	0
274	Soft Chemistry Routes for the Synthesis of Sr _{0.02} La _{0.98} Nb _{0.6} Ta _{0.4} O ₄ Proton Conductor. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B1485	3.9	1
273	Cerium oxide nanoparticles: a promise for applications in therapy. <i>Journal of Experimental Therapeutics and Oncology</i> , 2011 , 9, 47-51	0.8	65
272	Novel Y _{2-x} Pr _x Ru ₂ O 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	3.8	14
271	High proton conduction in grain-boundary-free yttrium-doped barium zirconate films grown by pulsed laser deposition. <i>Nature Materials</i> , 2010 , 9, 846-52	27	389
270	Ionic conductivity in oxide heterostructures: the role of interfaces. <i>Science and Technology of Advanced Materials</i> , 2010 , 11, 054503	7.1	121
269	Improvement of DMFC Electrode Kinetics by Using Nanohorns Catalyst Support. <i>Materials Science Forum</i> , 2010 , 638-642, 1106-1111	0.4	5
268	Electrode materials: a challenge for the exploitation of protonic solid oxide fuel cells. <i>Science and Technology of Advanced Materials</i> , 2010 , 11, 044301	7.1	101
267	Development of High Performance Ceria/Bismuth Oxide Bilayered Electrolyte SOFCs for Lower Temperature Operation. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B376	3.9	35
266	Propene Detection at High Temperatures Using Highly Sensitive Non-Nernstian Electrochemical Sensors Based on Nb and Ta Oxides. <i>Journal of the Electrochemical Society</i> , 2010 , 157, J386	3.9	15
265	Titania Nanosheets (TNS)/Sulfonated Poly Ether Ether Ketone (SPEEK) Nanocomposite Proton Exchange Membranes for Fuel Cells. <i>Chemistry of Materials</i> , 2010 , 22, 1126-1133	9.6	71
264	Radial Inner Morphology Effects on the Mechanical Properties of Amorphous Composite Cobalt Boride Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13451-13458	3.8	16

263	Materials challenges toward proton-conducting oxide fuel cells: a critical review. <i>Chemical Society Reviews</i> , 2010 , 39, 4355-69	58.5	575
262	Electrochemical Impedance Spectroscopy Analysis of Pr _{0.8} Sr _{0.2} Co _{0.5} Fe _{0.5} O _{3-δ} as Cathode Material for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B357	3.9	10
261	A novel single chamber solid oxide fuel cell based on chemically stable thin films of Y-doped BaZrO ₃ proton conducting electrolyte. <i>Energy and Environmental Science</i> , 2010 , 3, 618	35.4	13
260	Nano-sized Pr _{0.8} Sr _{0.2} Co _{1-x} Fe _x O ₃ powders prepared by single-step combustion synthesis for solid oxide fuel cell cathodes. <i>Journal of Electroceramics</i> , 2010 , 24, 122-135	1.5	12
259	Hiroaki Yanagida: A man with a vision. <i>Journal of Electroceramics</i> , 2010 , 24, 67-68	1.5	
258	Development of Nafion/Tin Oxide Composite MEA for DMFC Applications. <i>Fuel Cells</i> , 2010 , 10, 790-797	2.9	26
257	Some structural considerations on the perovskite-type A _{1-y} Sr _y Co _{1-x} Fe _x O _{3-δ} solid solution series. <i>Crystal Research and Technology</i> , 2010 , 45, 355-364	1.3	1
256	Stem Cell Aligned Growth Induced by CeO ₂ Nanoparticles in PLGA Scaffolds with Improved Bioactivity for Regenerative Medicine. <i>Advanced Functional Materials</i> , 2010 , 20, 1617-1624	15.6	143
255	Thick soft tissue reconstruction on highly perfusive biodegradable scaffolds. <i>Macromolecular Bioscience</i> , 2010 , 10, 127-38	5.5	24
254	Proton conducting membranes composed of sulfonated poly(etheretherketone) and zirconium phosphate nanosheets for fuel cell applications. <i>Solid State Ionics</i> , 2010 , 181, 348-353	3.3	22
253	Does the increase in Y-dopant concentration improve the proton conductivity of BaZr _{1-x} Y _x O _{3-δ} fuel cell electrolytes?. <i>Solid State Ionics</i> , 2010 , 181, 1043-1051	3.3	145
252	Elastic properties of hard cobalt boride composite nanoparticles. <i>Acta Materialia</i> , 2010 , 58, 6474-6486	8.4	26
251	Multiscale three-dimensional scaffolds for soft tissue engineering via multimodal electrospinning. <i>Acta Biomaterialia</i> , 2010 , 6, 1227-37	10.8	168
250	Chemically stable anode-supported solid oxide fuel cells based on Y-doped barium zirconate thin films having improved performance. <i>Electrochemistry Communications</i> , 2010 , 12, 977-980	5.1	94
249	Proton-conducting electrolytes based on silylated and sulfonated polyetheretherketone: Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2178-2186	2.5	9
248	Superhard nanobuttons: constraining crystal plasticity and dealing with extrinsic effects at the nanoscale. <i>Small</i> , 2010 , 6, 528-36	11	11
247	Enhancement of ionic conductivity in Sm-doped ceria/yttria-stabilized zirconia heteroepitaxial structures. <i>Small</i> , 2010 , 6, 1863-7	11	90
246	Fabrication of Proton Conducting Solid Oxide Fuel Cells by using Electrophoretic Deposition. <i>ECS Transactions</i> , 2009 , 25, 577-584	1	6

245	Non-Nernstian Electrochemical Sensors with a Electrode for Engine Exhaust Monitoring. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J12	3.9	4
244	Nafion/Tin Oxide Composite Membranes for Direct Methanol Fuel Cells. <i>ECS Transactions</i> , 2009 , 25, 1935-1941	4	4
243	High Temperature Operation of Direct Ethanol Fuel Cells with Nafion-TiO ₂ Membranes and PtSn/C Electrocatalysts. <i>ECS Transactions</i> , 2009 , 25, 757-764	1	2
242	Nanocomposite SPEEK/Titania Nanosheets (TNS) Proton Exchange Membranes for Fuel Cell Applications. <i>Key Engineering Materials</i> , 2009 , 421-422, 447-450	0.4	1
241	Localized compression and shear tests on nanotargets with a Berkovich tip and a novel multifunctional tip. <i>Journal of Materials Research</i> , 2009 , 24, 768-775	2.5	11
240	Single Chamber Solid Oxide Fuel Cells (SC-SOFCs) based on a Proton Conducting Electrolyte. <i>ECS Transactions</i> , 2009 , 25, 1001-1006	1	1
239	Fabrication and Electrochemical Properties of Epitaxial Samarium-Doped Ceria Films on SrTiO ₃ -Buffered MgO Substrates. <i>Advanced Functional Materials</i> , 2009 , 19, 1713-1719	15.6	90
238	Proton Conducting Hybrid Membranes Based on Aromatic Polymers Blends for Direct Methanol Fuel Cell Applications. <i>Fuel Cells</i> , 2009 , 9, 387-393	2.9	16
237	Composite Cathodes for Proton Conducting Electrolytes. <i>Fuel Cells</i> , 2009 , 9, 128-138	2.9	102
236	Effect of a Proton Conducting Filler on the Physico-Chemical Properties of SPEEK-Based Membranes. <i>Fuel Cells</i> , 2009 , 9, 372-380	2.9	20
235	Detection of sub-ppm level of VOCs based on a Pt/YSZ/Pt potentiometric oxygen sensor with reference air. <i>Sensors and Actuators B: Chemical</i> , 2009 , 143, 56-61	8.5	23
234	Epitaxial superlattices of ionic conductor oxides. <i>Superlattices and Microstructures</i> , 2009 , 46, 223-226	2.8	5
233	Master sintering curve for Gd-doped CeO ₂ solid electrolytes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 143-147	4.1	25
232	Electrophoretic Deposition of Dense La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.115} Co _{0.085} O ₃ Electrolyte Films from Single-Phase Powders for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1999-2004	3.8	9
231	Synthesis and Characterization of BaTiO ₃ -Based Foams with a Controlled Microstructure. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 651-660	2	15
230	Effects of carbon nanotubes on human monocytes. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171, 600-5	6.5	10
229	A wet-chemical route for the preparation of Ni ₃ AlCe _{0.9} Y _{0.1} O ₃ Intermet anodes for IT-SOFCs. <i>Solid State Ionics</i> , 2009 , 180, 715-720	3.3	37
228	Improved total conductivity of nanometric samaria-doped ceria powders sintered with molten LiNO ₃ additive. <i>Solid State Ionics</i> , 2009 , 180, 1069-1075	3.3	51

227	Electrophoretic deposition of dense BaCe _{0.9} Y _{0.1} O _{3-δ} electrolyte thick-films on Ni-based anodes for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009 , 190, 417-422	8.9	32
226	Study of different nanostructured carbon supports for fuel cell catalysts. <i>Journal of Power Sources</i> , 2009 , 194, 243-251	8.9	46
225	High-performance bilayered electrolyte intermediate temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2009 , 11, 1504-1507	5.1	102
224	High performance anode-supported intermediate temperature solid oxide fuel cells (IT-SOFCs) with La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O _{3-δ} electrolyte films prepared by electrophoretic deposition. <i>Electrochemistry Communications</i> , 2009 , 11, 1680-1683	5.1	66
223	Mixed Protonic/Electronic Conductor Cathodes for Intermediate Temperature SOFCs Based on Proton Conducting Electrolytes. <i>Journal of the Electrochemical Society</i> , 2009 , 156, B38	3.9	40
222	Water adsorption on the stoichiometric and reduced CeO ₂ (111) surface: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9188-99	3.6	198
221	Improving the Performance of High Temperature Protonic Conductor (HTPC) Electrolytes for Solid Oxide Fuel Cell (SOFC) Applications. <i>Key Engineering Materials</i> , 2009 , 421-422, 336-339	0.4	1
220	Stability and morphology of cerium oxide surfaces in an oxidizing environment: A first-principles investigation. <i>Journal of Chemical Physics</i> , 2009 , 131, 104701	3.9	129
219	Structural Properties and Electrochemical Characteristics of Ba _{0.5} Sr _{0.5} Co _{1-x} Fe _x O _{3-δ} Phases in Different Atmospheres. <i>Journal of the Electrochemical Society</i> , 2009 , 156, B1059	3.9	16
218	Tailoring the structural and microstructural properties of nanosized tantalum oxide for high temperature electrochemical gas sensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4430-6	1.3	1
217	Engineering materials and biology to boost performance of microbial fuel cells: a critical review. <i>Energy and Environmental Science</i> , 2008 , 1, 417	35.4	290
216	Investigation of La ₂ CuO ₄ δ /SZT Potentiometric NO _x Sensors with Electrochemical Impedance Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2008 , 155, J11	3.9	22
215	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> , 2008 , 1, 355	35.4	86
214	Carbon nanotubes on Jurkat cells: effects on cell viability and plasma membrane potential. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 474204	1.8	20
213	Tuning hierarchical architecture of 3D polymeric scaffolds for cardiac tissue engineering. <i>Journal of Experimental Nanoscience</i> , 2008 , 3, 97-110	1.9	20
212	Hybrid Membranes based on Aromatic Polymer Blends for Fuel Cell Applications. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1126, 1		
211	Low temperature ethanol steam reforming in a Pd-Ag membrane reactor Part 1: Ru-based catalyst. <i>Journal of Membrane Science</i> , 2008 , 308, 250-257	9.6	76
210	High temperature detection of CO/HCs gases by non-Nernstian planar sensors using Nb ₂ O ₅ electrode. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 514-519	8.5	31

209	Tailoring the chemical stability of Ba(Ce _{0.8} Zr _x)Y _{0.2} O _{3-δ} protonic conductors for Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). <i>Solid State Ionics</i> , 2008 , 179, 558-564	3.3	375
208	Design of BaZr _{0.8} Y _{0.2} O _{3-δ} Protonic Conductor to Improve the Electrochemical Performance in Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). <i>Fuel Cells</i> , 2008 , 8, 69-76	2.9	83
207	Electrophoretic Deposition of Dense Sr- and Mg-Doped LaGaO ₃ Electrolyte Films on Porous La-Doped Ceria for Intermediate Temperature Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2008 , 8, 344-350	2.9	20
206	Sulfonated polyether ether ketone and hydrated tin oxide proton conducting composites for direct methanol fuel cell applications. <i>Journal of Power Sources</i> , 2008 , 178, 554-560	8.9	64
205	Non-Nernstian planar sensors based on YSZ with a Nb ₂ O ₅ electrode. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 591-598	8.5	49
204	Fabrication of bioactive glass-ceramic foams mimicking human bone portions for regenerative medicine. <i>Acta Biomaterialia</i> , 2008 , 4, 362-9	10.8	68
203	Investigation of nozzle shape effect on Sm _{0.1} Ce _{0.9} O _{1.95} thin film prepared by electrostatic spray deposition. <i>Thin Solid Films</i> , 2008 , 516, 5618-5624	2.2	17
202	Low-temperature ethanol steam reforming in a Pd/Ag membrane reactor Part 2. Pt-based and Ni-based catalysts and general comparison. <i>Journal of Membrane Science</i> , 2008 , 308, 258-263	9.6	40
201	Criticality of the biological and physical stimuli array inducing resident cardiac stem cell determination. <i>Stem Cells</i> , 2008 , 26, 2093-103	5.8	89
200	A Soft Chemistry Route for the Synthesis of Nanostructured Pb ₂ Ru ₂ O _{6.5} with a Controlled Stoichiometry. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 437-443	3.8	2
199	Design of Electroceramics for Solid Oxides Fuel Cell Applications: Playing with Ceria. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1037-1051	3.8	195
198	Composite Ormosil/Nafion Membranes as Electrolytes for Direct Methanol Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2007 , 154, B1148	3.9	18
197	SPEEK-TiO ₂ nanocomposite hybrid proton conductive membranes via in situ mixed sol-gel process. <i>Journal of Membrane Science</i> , 2007 , 296, 156-161	9.6	107
196	SPPSU-based hybrid proton conducting polymeric electrolytes for intermediate temperature PEMFCs. <i>Journal of Power Sources</i> , 2007 , 167, 79-83	8.9	31
195	Effect of an ormosil-based filler on the physico-chemical and electrochemical properties of Nafion membranes. <i>Journal of Power Sources</i> , 2007 , 169, 247-252	8.9	10
194	Sol-gel synthesis, X-ray photoelectron spectroscopy and electrical conductivity of Co-doped (La, Sr)(Ga, Mg)O _{3-δ} perovskites. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 4291-4296	6	54
193	Nanostructured TiO ₂ -based mixed metal oxides prepared using microemulsions for carbon monoxide detection. <i>Journal of Electroceramics</i> , 2007 , 18, 295-303	1.5	7
192	BaZr _x Y _{1-x} O _{3-δ} and BaCe _{1-x} Zr _x Y _z O _{3-δ} Proton Conductors For Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). <i>ECS Transactions</i> , 2007 , 7, 2337-2342	1	4

191	Cathode Performance of Nanostructured La _{1-x} Sr _x Co _{1-b} Fe _b O _{3-δ} on a Ce _{0.8} Sm _{0.2} O ₂ Electrolyte Prepared by Citrate-Nitrate Autocombustion. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A89	3.9	29
190	Effect of different carbon nanotubes on cell viability and proliferation. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 395013	1.8	29
189	Synthesis and Thermal Analysis of the Strontium and Iron-doped Lanthanum Cobaltite Nano-powder Precursors. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 402-408		12
188	Ceria-Based Thin Film Hetero-structure Growth and Characterization for SOFC Applications. <i>ECS Transactions</i> , 2007 , 7, 891-898	1	2
187	Solid-State Ionic Devices. <i>Electrochemical Society Interface</i> , 2007 , 16, 37-40	3.6	4
186	SPEEK/PPSU-based organic/inorganic membranes: proton conducting electrolytes in anhydrous and wet environments. <i>Journal of Membrane Science</i> , 2006 , 279, 186-191	9.6	48
185	Synthesis and Characterization of BaZr _{0.8} Y _{0.2} O ₃ Protonic Conductor for Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). <i>Materials Research Society Symposia Proceedings</i> , 2006 , 972, 1		
184	Electrochemical Properties of Nanocrystalline Y _{2-x} Pr _x Ru ₂ O ₇ Pyrochlore for Electrode Application in IT-SOFCs. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 972, 1		
183	Evaluation of Electrode Performances of Single-Chamber Solid Oxide Fuel Cells. <i>Key Engineering Materials</i> , 2006 , 301, 155-158	0.4	5
182	Potentiometric Detection of VOCs using Non-Nernstian SmFeO ₃ /Pt/YSZ/Pt Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 972, 1		
181	Microstructure effect of nanocrystalline titanium dioxide prepared by microemulsion technique on photocatalytic decomposition of phenol. <i>Journal of Materials Research</i> , 2006 , 21, 3001-3008	2.5	5
180	Mixed Ionic/Electronic YSZ/Ni Composite for SOFC Anodes with High Electrical Conductivity. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A354	3.9	20
179	Sulfonated Polyether Ether Ketone-Based Composite Membranes Doped with a Tungsten-Based Inorganic Proton Conductor for Fuel Cell Applications. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A463	3.9	42
178	Thermal stability and thermodynamic properties of hybrid proton-conducting polyaryl etherketones. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15817-23	3.4	41
177	A Simple New Route to Covalent Organic/Inorganic Hybrid Proton Exchange Polymeric Membranes. <i>Chemistry of Materials</i> , 2006 , 18, 69-75	9.6	78
176	Foaming of Filled Polyurethanes for Fabrication of Porous Anode Supports for Intermediate Temperature-Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1795-1800	3.8	16
175	Applicability of Bi ₂ Ru ₂ O ₇ Pyrochlore Electrodes for ESB and BIMEVOX Electrolytes. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A2232	3.9	19
174	Non-Nernstian Planar Sensors Based on YSZ with Ta (10 at.%) -Doped Nanosized Titania as a Sensing Electrode for High-Temperature Applications. <i>International Journal of Applied Ceramic Technology</i> , 2006 , 3, 393-400	2	6

173	Nanocomposite polymeric electrolytes to record electrophysiological brain signals in prolonged, unconventional or extreme conditions. <i>Acta Biomaterialia</i> , 2006 , 2, 531-6	10.8	
172	Krytox-Silica/Nafion® composite membrane: A hybrid system for maintaining proton conductivity in a wide range of operating temperatures. <i>Catalysis Today</i> , 2006 , 118, 259-265	5.3	29
171	Modelling of the humidity effect on the barrier height in SnO ₂ varistors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 128, 130-137	3.1	7
170	Increasing the operation temperature of polymer electrolyte membranes for fuel cells: From nanocomposites to hybrids. <i>Journal of Power Sources</i> , 2006 , 159, 12-20	8.9	55
169	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	2.6	25
168	A simple and versatile Sol-Gel method for the synthesis of functional nanocrystalline oxides. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 592-5	1.3	9
167	Copper Nanoparticle/Polymer Composites with Antifungal and Bacteriostatic Properties. <i>Chemistry of Materials</i> , 2005 , 17, 5255-5262	9.6	633
166	Composite Mesoporous Titania Nafion-Based Membranes for Direct Methanol Fuel Cell Operation at High Temperature. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A1373	3.9	69
165	Nafion®/TiO ₂ hybrid membranes for medium temperature polymer electrolyte fuel cells (PEFCs). <i>Journal of Power Sources</i> , 2005 , 152, 16-21	8.9	168
164	Vanadium and tantalum-doped titanium oxide (TiTaV): a novel material for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 89-96	8.5	18
163	Sol-gel synthesis and characterization of Co-doped LSGM perovskites. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2593-2598	6	19
162	Electrical properties of YSZ/NiO composites prepared by a liquid mixture technique. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2637-2641	6	42
161	Nafion®/TiO ₂ composite DMFC membranes: physico-chemical properties of the filler versus electrochemical performance. <i>Electrochimica Acta</i> , 2005 , 50, 1241-1246	6.7	196
160	Zirconia-Based Electrochemical NO _x Sensors with Semiconducting Oxide Electrodes. <i>Journal of the American Ceramic Society</i> , 2005 , 87, 1883-1889	3.8	23
159	A covalent organic/inorganic hybrid proton exchange polymeric membrane: synthesis and characterization. <i>Polymer</i> , 2005 , 46, 1754-1758	3.9	65
158	Planar non-nernstian electrochemical sensors: field test in the exhaust of a spark ignition engine. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 319-325	8.5	21
157	The development of gas sensor for carbon monoxide monitoring using nanostructure of Nb/TiO ₂ . <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 359-363	7.1	71
156	Nanocrystalline Oxides Improve the Performances of Polymeric Electrolytes 2005 , 289-301		1

155	Alternative chemical route to mesoporous titania from a titanatrane complex. <i>Journal of Materials Research</i> , 2005 , 20, 128-134	2.5	12
154	Proton Conducting Electrolyte Membranes based on Tungsten Oxide and Sulfonated Polyether Ether Ketone Hybrid Composites. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 885, 1		
153	Pb ₂ Ru ₂ O _{6.5} as a Low-Temperature Cathode for Bismuth Oxide Electrolytes. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A2300	3.9	21
152	Preparation and Electrochemical Characterization of Perovskite/YSZ Ceramic Films. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A88	3.9	25
151	Functionalized ORMOSIL-Based Hybrid Membranes for Polymer Electrolyte Membrane Fuel Cells. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 885, 1		
150	Crosslinked Organic/Inorganic Hybrid Proton Exchange Polymeric Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 885, 1		
149	Testing Planar Gas Sensors Based on Yttria-stabilized Zirconia with Oxide Electrodes in the Exhaust Gases of a Spark Ignition Engine. <i>Sensor Letters</i> , 2005 , 3, 22-26	0.9	3
148	Electrochemical behaviour of Co-doped LSGM perovskites prepared by sol-gel synthesis. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 835, K3.15.1		
147	Synthesis, spectroscopic and electrochemical characterization of hybrid membranes for Polymer Electrolyte Membrane Fuel Cells.. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 835, K9.11.1		
146	Preparation and characterization of lead ruthenate based composite cathodes for SOFC applications. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 835, K8.10.1		1
145	Co-Sintering of Dense Electrophoretically Deposited YSZ Films on Porous NiO-YSZ Substrates for SOFC Applications. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 835, K3.1.1		
144	Sensing Mechanism of Potentiometric Gas Sensors Based on Stabilized Zirconia with Oxide Electrodes. <i>Journal of the Electrochemical Society</i> , 2004 , 151, H133	3.9	63
143	Early Stages of Diamond-Film Formation on Cobalt-Cemented Tungsten Carbide. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1429-1435	3.8	15
142	Synthesis and Structural Characterization of Trimetallic Perovskite-Type Rare-Earth Orthoferrites, La _x Sm _{1-x} FeO ₃ . <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1087-1092	3.8	36
141	Design of Ceramic Materials for Chemical Sensors: Effect of SmFeO ₃ Processing on Surface and Electrical Properties. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 341-47	3.8	64
140	Humidity Influence on the CO ₂ Response of Potentiometric Sensors Based on NASICON Pellets with New Compositions, Na ₃ Zr ₂ (x/4)Si ₂ P _{1+x} O ₁₂ (x= 1.333). <i>Journal of the American Ceramic Society</i> , 2004 , 85, 585-589	3.8	7
139	Metallic-lithium, LiFePO ₄ -based polymer battery using PEO/FeO ₂ nanocomposite polymer electrolyte. <i>Journal of Applied Electrochemistry</i> , 2004 , 34, 403-408	2.6	28
138	Preparation and Electrical Properties of Dense Ceramics with NASICON Composition Sintered at Reduced Temperatures. <i>Journal of Electroceramics</i> , 2004 , 13, 817-823	1.5	11

137	Degradation of oxide varistor ceramics in air atmosphere containing NO ₂ at elevated temperatures. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1213-1216	6	2
136	Thick-film gas sensors based on vanadium-titanium oxide powders prepared by sol-gel synthesis. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1409-1413	6	22
135	Nano-structured perovskite oxide electrodes for planar electrochemical sensors using tape casted YSZ layers. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1187-1190	6	57
134	Humidity sensors based on mesoporous silica thin films synthesised by block copolymers. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1969-1972	6	74
133	PEO based polymer electrolyte lithium-ion battery. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1385-1387	6	25
132	Effect of synthetic route on sintering behaviour, phase purity and conductivity of Sr- and Mg-doped LaGaO ₃ perovskites. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1365-1370	6	76
131	Planar electrochemical sensors based on tape-cast YSZ layers and oxide electrodes. <i>Solid State Ionics</i> , 2004 , 171, 173-181	3.3	75
130	The effect of humidity on the voltage-current characteristic of SnO ₂ based ceramic varistor. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2597-2604	6	30
129	The ALTEA/ALTEINO projects: studying functional effects of microgravity and cosmic radiation. <i>Advances in Space Research</i> , 2004 , 33, 1352-7	2.4	33
128	Antifungal activity of polymer-based copper nanocomposite coatings. <i>Applied Physics Letters</i> , 2004 , 85, 2417-2419	3.4	160
127	Effect of Mg ²⁺ Doping on the Structural, Thermal, and Electrochemical Properties of LiNi _{0.8} Co _{0.16} Mg _{0.04} O ₂ . <i>Chemistry of Materials</i> , 2004 , 16, 3559-3564	9.6	16
126	Spectroscopic Monitoring of Sol-Gel Syntheses of Heterometallic Ceramics. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 119-124	2.3	2
125	Preparation of Sol-Gel Nano-Composites Containing Copper Oxide and Their Gas Sensing Properties. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 1085-1089	2.3	28
124	Electrical Properties of Sol-Gel Processed Hybrid Films. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 1081-1084	2.3	1
123	Dry turning of alumina/aluminum composites with CVD diamond coated Co-cemented tungsten carbide tools. <i>Surface and Coatings Technology</i> , 2003 , 166, 127-134	4.4	45
122	ALTEA: anomalous long term effects in astronauts. A probe on the influence of cosmic radiation and microgravity on the central nervous system during long flights. <i>Advances in Space Research</i> , 2003 , 31, 141-6	2.4	19
121	Relative humidity and alcohol sensors based on mesoporous silica thin films synthesised from block copolymers. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 107-110	8.5	39
120	Thermal decomposition products of the heteronuclear complex, LaNi(dhbaen)(NO ₃)(H ₂ O) _n . <i>Journal of the European Ceramic Society</i> , 2003 , 23, 1375-1381	6	10

119	Sol-gel Synthesis of $\text{La}_2\text{O}_3/\text{Al}_2\text{O}_3$ Films. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1965-1968	3.8	1
118	Crystallographic characterization and NO_2 gas sensing property of LnFeO_3 prepared by thermal decomposition of $\text{Ln}[\text{Fe}(\text{CN})_6]\cdot n\text{H}_2\text{O}$, $\text{Ln} = \text{La, Nd, Sm, Gd, and Dy}$. <i>Sensors and Actuators B: Chemical</i> , 2003 , 94, 132-139	8.5	146
117	Diamond nucleation from the gas phase onto cold-worked Co-cemented tungsten carbide. <i>Diamond and Related Materials</i> , 2003 , 12, 340-345	3.5	14
116	Study of YSZ-Based Electrochemical Sensors with WO_3 Electrodes in NO_2 and CO Environments. <i>Journal of the Electrochemical Society</i> , 2003 , 150, H33	3.9	55
115	Sensoristic Applications of Self-assembled Mesoporous Silica Films. <i>Sensor Letters</i> , 2003 , 1, 64-70	0.9	24
114	Study of YSZ-based electrochemical sensors with oxide electrodes for high temperature applications. <i>Bulletin of Materials Science</i> , 2002 , 25, 451-453	1.7	5
113	Solid oxide fuel cells (SOFCs): a review of an environmentally clean and efficient source of energy. <i>Renewable and Sustainable Energy Reviews</i> , 2002 , 6, 433-455	16.2	1090
112	NMR and XRD study of the influence of the P precursor in sol-gel synthesis of NASICON powders and films. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 1995-2000	6	11
111	Fuel cells, an alternative to standard sources of energy. <i>Renewable and Sustainable Energy Reviews</i> , 2002 , 6, 295-304	16.2	212
110	Electrochemical NO_2 Sensors with WO_3 Electrodes for High Temperature Applications.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 159-162		16
109	Increasing the Operating Temperature of Nafion Membranes with Addition of Nanocrystalline Oxides for Direct Methanol Fuel Cells. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 756, 1		1
108	Development of new ceramic doped ionoconducting membranes for biomedical applications.. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 756, 1		0
107	Effect of WC grain growth inhibitors on the adhesion of chemical vapor deposition diamond films on WC/Co cemented carbide. <i>Diamond and Related Materials</i> , 2002 , 11, 242-248	3.5	18
106	Quantitative comparison of adhesive toughness for various diamond films on co-cemented tungsten carbide. <i>Diamond and Related Materials</i> , 2002 , 11, 716-720	3.5	5
105	Effect of substrate grain size and surface treatments on the cutting properties of diamond coated Co-cemented tungsten carbide tools. <i>Diamond and Related Materials</i> , 2002 , 11, 726-730	3.5	41
104	Electrical and structural characterisation of mesoporous silica thin films as humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 2001 , 76, 299-303	8.5	64
103	The NO_2 response of solid electrolyte sensors made using nano-sized LaFeO_3 electrodes. <i>Sensors and Actuators B: Chemical</i> , 2001 , 76, 483-488	8.5	105
102	Preparation and characterization of nanosized titania sensing film. <i>Sensors and Actuators B: Chemical</i> , 2001 , 77, 163-166	8.5	70

101	An X-ray study of the trimetallic $\text{LaSm}_2\text{FeO}_3$ orthoferrites. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 719-726	6	28
100	Mesoporous silica thin films for alcohol sensors. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1985-1988	6	61
99	Sol-Gel Processed TiO_2 -Based Nano-Sized Powders for Use in Thick-Film Gas Sensors for Atmospheric Pollutant Monitoring. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 22, 167-179	2.3	96
98	. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 22, 115-123	2.3	27
97	Nanostructured thick-film gas sensors for atmospheric pollutant monitoring: quantitative analysis on field tests. <i>Sensors and Actuators B: Chemical</i> , 2001 , 76, 336-342	8.5	51
96	Preparation of Nanosized Perovskite-Type LaMnO_3 Powders Using the Thermal Decomposition of a Heteronuclear Complex, $\text{LaMn}(\text{dhbaen})(\text{OH})(\text{NO}_3)(\text{H}_2\text{O})_4$. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 969-975	3.8	22
95	Preparation and characterization of M/TiO_2 (M = Ag, Au, Pt) nanocomposite thin films. <i>Scripta Materialia</i> , 2001 , 44, 1865-1868	5.6	25
94	Synthesis and Characterization of Novel Ionconductor Gels for Biomedical Applications in Space. <i>Journal of the Electrochemical Society</i> , 2001 , 148, J63	3.9	6
93	NO_x Sensors Based on Interfacing Yttria Stabilized Zirconia with p and n-Type Semiconducting Oxides. <i>Key Engineering Materials</i> , 2001 , 206-213, 1243-1246	0.4	1
92	Thermal, Electrochemical and In-Situ Structural Study of Stabilized $\text{LiNi}_y\text{Co}_{1-y}\text{zMzO}_2$ (M = Al and Mg) Lithium-Ion Cathode Materials Prepared by a Soft Chemistry Route. <i>Key Engineering Materials</i> , 2001 , 206-213, 1519-1522	0.4	
91	Electrochemical NO_x Sensors Based on Interfacing Nanosized LaFeO_3 Perovskite-Type Oxide and Ionic Conductors. <i>Journal of the Electrochemical Society</i> , 2001 , 148, H98	3.9	76
90	Nonhydrolytic Synthesis of NASICON of Composition $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$: A Spectroscopic Study. <i>Chemistry of Materials</i> , 2001 , 13, 141-144	9.6	19
89	Effect of WC-Co substrates pre-treatment and microstructure on the adhesive toughness of CVD diamond. <i>Diamond and Related Materials</i> , 2001 , 10, 786-789	3.5	14
88	Thermal, electrochemical and structural properties of stabilized $\text{LiNi}_y\text{Co}_{1-y}\text{zMzO}_2$ lithium-ion cathode material prepared by a chemical route. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 4399-4403	3.6	27
87	Electrochemical NO_x Sensors for Emission Control of Automotive Exhaust Gas 2001 ,		1
86	Environmental monitoring field tests using screen-printed thick-film sensors based on semiconducting oxides. <i>Sensors and Actuators B: Chemical</i> , 2000 , 65, 181-185	8.5	44
85	Solid state ceramic gas sensors based on interfacing ionic conductors with semiconducting oxides. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 2691-2699	6	47
84	MgAl_2O_4 spinel powders from oxide one pot synthesis (OOPS) process for ceramic humidity sensors. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 91-97	6	75

83	Cutting performance and indentation behaviour of diamond films on Co-cemented tungsten carbide. <i>Surface and Coatings Technology</i> , 2000 , 123, 78-83	4.4	36
82	Array of thick film sensors for atmospheric pollutant monitoring. <i>Sensors and Actuators B: Chemical</i> , 2000 , 68, 1-8	8.5	47
81	Electrical properties of sol-gel processed NASICON having new compositions. <i>Sensors and Actuators B: Chemical</i> , 2000 , 65, 204-208	8.5	22
80	Low Temperature Sol-Gel Preparation of β -Al ₂ TiO ₅ Thin Films: Spectroscopic Analysis of the Precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 577-580	2.3	2
79	Non-Hydrolytic Routes for the Synthesis of NASICON. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 463-467	2.3	8
78	Influence of Humidity on Electrochemical CO ₂ Sensors Based on Sol-Gel Processed NASICON with New Compositions. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 181-185	2.3	2
77	Sol-Gel Nanosized Semiconducting Titania-Based Powders for Thick-Film Gas Sensors. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 193-196	2.3	34
76	Sol-Gel Preparation and Characterization of Ag-TiO ₂ Nanocomposite Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 733-736	2.3	45
75	Synthesis of NASICON with New Compositions for Electrochemical Carbon Dioxide Sensors* 2000 , 5, 261-272		16
74	Quantitative determination of the adhesive fracture toughness of CVD diamond to WC-Co cemented carbide. <i>Diamond and Related Materials</i> , 2000 , 9, 191-194	3.5	38
73	Synthesis of nanocrystalline nickel oxide by controlled oxidation of nickel nanoparticles and their humidity sensing properties. <i>Journal of Applied Physics</i> , 2000 , 88, 6856-6860	2.5	35
72	Sol-Gel Synthesis of β -Al ₂ TiO ₅ Thin Films at Low Temperature. <i>Chemistry of Materials</i> , 2000 , 12, 517-524	9.6	29
71	Thick-Film Gas Sensors Based on Nano-Sized Semiconducting Oxide Powders. <i>MRS Bulletin</i> , 1999 , 24, 30-36	3.2	69
70	Nucleation and Adhesion of Diamond Films on Co Cemented Tungsten Carbide. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 4490-4498	3.9	21
69	Nano-Sized Semiconducting Oxide Powders for Thick Film Gas Sensors: From Powder Processing to Environmental Monitoring Devices. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 581, 121		6
68	Screen-printed perovskite-type thick films as gas sensors for environmental monitoring. <i>Sensors and Actuators B: Chemical</i> , 1999 , 55, 99-110	8.5	204
67	Effect of surface modification on NO ₂ sensing properties of SnO ₂ varistor-type sensors. <i>Sensors and Actuators B: Chemical</i> , 1999 , 60, 118-124	8.5	28
66	Electrical humidity response of sol-gel processed undoped and alkali-doped TiO ₂ -Al ₂ O ₃ thin films. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 753-758	6	11

65	Humidity sensitive electrical properties of a novel ceramic heterocontact structure ZnO/BaPbO ₃ /Bi ₂ O ₃ . <i>Journal of the European Ceramic Society</i> , 1999 , 19, 715-719	6	7
64	NMR study of sol-gel processed NASICON. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 925-929	6	4
63	Design of Ceramic Materials for Chemical Sensors: SmFeO ₃ Thick Films Sensitive to NO ₂ . <i>Journal of the American Ceramic Society</i> , 1999 , 82, 2442-2450	3.8	45
62	Preparation of YBa ₂ Cu ₃ O ₇ powders by the thermal decomposition of a heteronuclear complex, CuY _{1/3} Ba _{2/3} (dhbaen)(NO ₃) _{1/3} (H ₂ O) ₃ . <i>Journal of Alloys and Compounds</i> , 1999 , 287, 150-158	5.7	16
61	Sol-gel Synthesis of NASICON: 1D and 2D NMR Investigation. <i>Chemistry of Materials</i> , 1999 , 11, 1336-1341	6	8
60	LaMnO ₃ Fine Powder Prepared by the Thermal Decomposition of a Heteronuclear Complex, LaMn(dhbaen)(OH)(NO ₃)(H ₂ O) ₄ . <i>Chemistry Letters</i> , 1999 , 28, 1175-1176	1.7	7
59	Crystallization of Al ₂ O ₃ -TiO ₂ Sol-Gel Systems.. <i>Journal of the Ceramic Society of Japan</i> , 1999 , 107, 891-894		2
58	Gas-sensitive electrical properties of perovskite-type SmFeO ₃ thick films. <i>Sensors and Actuators B: Chemical</i> , 1998 , 48, 270-276	8.5	89
57	Synthesis and Structural Characterization of Trimetallic Perovskite-Type Oxides, LaFexCo _{1-x} O ₃ , by the Thermal Decomposition of Cyano Complexes, La[FexCo _{1-x} (CN) ₆](n)H ₂ O. <i>Materials Research Bulletin</i> , 1998 , 33, 673-681	5.1	26
56	Influence of the electrode materials on the electrical response of ZnO-based contact sensors. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 621-631	6	10
55	Thermal evolution of nanosized LaFeO ₃ powders from a heteronuclear complex, La[Fe(CN) ₆](n)H ₂ O. <i>Journal of Alloys and Compounds</i> , 1998 , 278, 135-141	5.7	62
54	Thermal evolution of the microstructure of nanosized LaFeO ₃ powders from the thermal decomposition of a heteronuclear complex, La[Fe(CN) ₆](n)H ₂ O. <i>Journal of Materials Research</i> , 1998 , 13, 1335-1344	2.5	57
53	A CHEMICAL ROUTE FOR THE PREPARATION OF NANOSIZED RARE EARTH PEROVSKITE-TYPE OXIDES FOR ELECTROCERAMIC APPLICATIONS. <i>Particulate Science and Technology</i> , 1998 , 16, 185-214	2	27
52	Diamond Synthesis on Silicon Nitride by the Hot Filament Chemical Vapor Deposition Technique. <i>Journal of the Ceramic Society of Japan</i> , 1998 , 106, 1167-1171		3
51	A Raman Study of Diamond Film Growth on Co-Cemented Tungsten Carbide. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 1371-1375	3.9	10
50	Preparation of Perovskite-Type Oxides by the Thermal Decomposition of Heteronuclear Complexes, Ln[FexCo _{1-x} (CN) ₆](n)H ₂ O (Ln=Pr-Yb). <i>Journal of the Ceramic Society of Japan</i> , 1997 , 105, 963-969		28
49	Preparation of Perovskite-type LaFexCo _{1-x} O ₃ by thermal decomposition of heteronuclear complex, La[FexCo _{1-x} (CN) ₆](n)H ₂ O for electroceramic applications. <i>Journal of Alloys and Compounds</i> , 1997 , 261, 182-186	5.7	14
48	Microstructural evolution of nanosized LaFeO ₃ powders from the thermal decomposition of a cyano-complex for thick film gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 590-594	8.5	64

47	Structural and Electrical Properties of Sol-Gel-processed CdTiO ₃ Powders and Films 1997 , 11, 137-146		25
46	Preparation and structural characterization of perovskite-type La _x Ln _{1-x} CoO ₃ by the thermal decomposition of heteronuclear complexes, La _x Ln _{1-x} [Co(CN) ₆] _n H ₂ O (Ln = Sm and Ho). <i>Journal of Alloys and Compounds</i> , 1996 , 240, 51-59	5.7	38
45	Preparation and characterization of perovskite-type Ln _x Ln _{1-x} CoO ₃ for electroceramic applications. <i>Journal of Materials Chemistry</i> , 1996 , 6, 1355-1360		50
44	Ceramic thin films by sol-gel processing as novel materials for integrated humidity sensors 1996 , 59-70		2
43	Preparation and Characterization of Heteronuclear Hexacyano Complexes, Ln _x Sm _{1-x} [Co(CN) ₆] _n H ₂ O (Ln = La, Er, and Yb). <i>Chemistry Letters</i> , 1996 , 25, 177-178	1.7	18
42	Thick films of MgFe ₂ O ₄ for humidity sensors. <i>Journal of Materials Processing Technology</i> , 1996 , 56, 589-599		19
41	Lattice disorder and texture in diamond coatings deposited by HFCVD on Co-cemented tungsten carbide. <i>Thin Solid Films</i> , 1996 , 290-291, 136-142	2.2	11
40	An EIS study of the humidity-sensitive electrical conduction of alkali-doped TiO ₂ films. <i>Electrochimica Acta</i> , 1996 , 41, 1359-1368	6.7	40
39	Ceramic thin films by sol-gel processing as novel materials for integrated humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 1996 , 31, 59-70	8.5	136
38	Mechanism of LaFeO ₃ Perovskite-Type Oxide Formation from the Thermal Decomposition of d-f Heteronuclear Complex La[Fe(CN) ₆] ₅ H ₂ O. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1401-1404	3.8	45
37	Low-Temperature Preparation of Nanosized Crystalline LaFeO ₃ Powders. <i>Materials Science Forum</i> , 1996 , 203, 47-52	0.4	3
36	Design of Ceramic Materials for Chemical Sensors with Novel Properties. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 2625-2632	3.8	42
35	Nucleation and Growth of Diamond Films on Ni-Cemented Tungsten Carbide: II, Effects of Deposition Conditions. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 2431-2436	3.8	5
34	Ceramic sensors for humidity detection: the state-of-the-art and future developments. <i>Sensors and Actuators B: Chemical</i> , 1995 , 23, 135-156	8.5	649
33	NO ₂ sensitive LaFeO ₃ thin films prepared by r.f. sputtering. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 661-664	8.5	123
32	Study of the conduction mechanism of La ₂ CuO _{4-x} N _x O heterocontacts at different relative humidities. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 714-718	8.5	43
31	Surface composition of alkali-doped TiO ₂ films for sensors investigated by XPS. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 886-888	8.5	11
30	Microstructural characterisation of Ni, Co and Ni/Co fine powders for physical sensors. <i>Thermochimica Acta</i> , 1995 , 269-270, 117-132	2.9	13

29	Intelligent Ceramic Materials for Chemical Sensors. <i>Journal of Intelligent Material Systems and Structures</i> , 1995 , 6, 860-869	2.3	28
28	The electrical properties of La ₂ CuO ₄ /ZnO heterocontacts at different relative humidities. <i>Journal of Materials Research</i> , 1995 , 10, 2286-2294	2.5	10
27	Humidity Sensitive Electrical Properties of Dense ZnO with Non-Ohmic Electrode. <i>Journal of the Ceramic Society of Japan</i> , 1995 , 103, 11-15		10
26	Preparation of Perovskite-type LaFe _{0.5} Co _{0.5} O ₃ by Thermal Decomposition of Heteronuclear Complex, {La[Fe _{0.5} Co _{0.5} (CN) ₆] ₄ H ₂ O} _x . <i>Chemistry Letters</i> , 1995 , 24, 189-190	1.7	10
25	A novel humidity-detection mechanism for ZnO dense pellets. <i>Sensors and Actuators B: Chemical</i> , 1995 , 23, 181-186	8.5	59
24	Sol-gel processed TiO ₂ -based thin films as innovative humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 705-709	8.5	75
23	Design of Ceramic Materials for Chemical Sensors with Intelligent Properties 1995 , 719-725		2
22	Preparation of Dense Thin Films by Sol-Gel With Very High Humidity Sensitivity 1995 , 653-658		
21	X-ray photoelectron spectroscopy investigation of MgAl ₂ O ₄ thin films for humidity sensors. <i>Journal of Materials Research</i> , 1994 , 9, 1426-1433	2.5	19
20	Gas sensitivity of ZnO/La ₂ CuO ₄ heterocontacts. <i>Sensors and Actuators B: Chemical</i> , 1994 , 17, 257-261	8.5	30
19	XPS analysis of sol-gel processed doped and undoped TiO ₂ films for sensors. <i>Surface and Interface Analysis</i> , 1994 , 22, 376-379	1.5	29
18	Humidity sensitivity of sputtered TiO ₂ thin films. <i>Sensors and Actuators B: Chemical</i> , 1994 , 19, 525-528	8.5	30
17	Nucleation and Growth of Diamond Films on Ni-Cemented Tungsten Carbide: Effects of Substrate Pretreatments. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2043-2048	3.8	29
16	Preparation of Ni ²⁺ Co metal powders by co-reduction of Ni (II) and Co(II) hydroxides for magnetoresistive sensors. <i>Materials Letters</i> , 1994 , 19, 263-268	3.3	9
15	Humidity-Sensitive Properties of Titania Films Prepared Using the Sol-Gel Process. <i>Journal of the Ceramic Society of Japan</i> , 1993 , 101, 1095-1100		44
14	XPS analysis of the interface of ceramic thin films for humidity sensors. <i>Applied Surface Science</i> , 1993 , 70-71, 363-366	6.7	31
13	Humidity-sensitive electrical response of sintered MgFe ₂ O ₄ . <i>Journal of Materials Science</i> , 1993 , 28, 6195-6198	4.6	19
12	Microstructure and Electrical Properties of MgAl ₂ O ₄ Thin Films for Humidity Sensing. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 743-750	3.8	115

11	Humidity-sensitive electrical properties of MgAl ₂ O ₄ thin films. <i>Sensors and Actuators B: Chemical</i> , 1993 , 14, 525-527	8.5	35
10	Study of the conduction mechanism of MgAl ₂ O ₄ at different environmental humidities. <i>Electrochimica Acta</i> , 1993 , 38, 2617-2621	6.7	31
9	X-ray Photoelectron Spectroscopy Investigation of Corrosion Behavior of ASTM C71640 Copper-Nickel Alloy in Seawater. <i>Corrosion</i> , 1992 , 48, 404-410	1.8	12
8	Thermal decomposition of Mg-Al hydroxides coprecipitated in the presence of oxalate ions. <i>Thermochimica Acta</i> , 1992 , 199, 25-33	2.9	13
7	Magnesium aluminium spinel thin film as a humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 1992 , 7, 460-463	8.5	45
6	The thermal behaviour of the hydroxide mixtures used for the synthesis of MgFe ₂ O ₄ spinel. <i>Journal of Thermal Analysis</i> , 1992 , 38, 2583-2592		3
5	Electrochemical investigation on carbon steel behaviour in CO-CO ₂ -H ₂ O environment for the interpretation of the SCC mechanism. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1991 , 42, 35-40 ^{1.6}		2
4	Study of the thermal behaviour of hydroxide mixtures aimed at the preparation of Mg-Al spinels. <i>Journal of Thermal Analysis</i> , 1991 , 37, 1697-1707		4
3	Microstructural characterization of MgFe ₂ O ₄ powders. <i>Materials Chemistry and Physics</i> , 1990 , 26, 513-526 ⁴		6
2	Effect of service conditions on corrosion performance of alloy CN 108 tubes in MSF desalinators. <i>Materials Chemistry and Physics</i> , 1990 , 24, 457-471	4.4	5
1	Factors affecting the corrosion behaviour of CN 108 alloy in sea water. <i>Desalination</i> , 1989 , 74, 259-276	10.3	2