

# Pedro Nã°Ã±ez

## List of Publications by Year in descending order

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226  
papers

6,644  
citations

53939

47  
h-index

107981

68  
g-index

238  
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238  
docs citations

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times ranked

5642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a cyber-physical system for sustainable and smart building: a use case for optimising water consumption on a SmartCampus. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 6379-6399.	3.3	11
2	Synthesis, crystal structure and Na <sup>+</sup> transport in Na <sub>3</sub> La(AsO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , 2022, 305, 122644.	1.4	3
3	M/TiO <sub>2</sub> (M = Fe, Co, Ni, Cu, Zn) catalysts for photocatalytic hydrogen production under UV and visible light irradiation. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3491-3500.	3.0	22
4	A new human-aware robot navigation framework based on time-dependent social interaction spaces: An application to assistive robots in caregiving centers. <i>Robotics and Autonomous Systems</i> , 2021, 145, 103873.	3.0	4
5	Designing a Cyber-Physical System for Ambient Assisted Living: A Use-Case Analysis for Social Robot Navigation in Caregiving Centers. <i>Sensors</i> , 2020, 20, 4005.	2.1	26
6	SocNav1: A Dataset to Benchmark and Learn Social Navigation Conventions. <i>Data</i> , 2020, 5, 7.	1.2	18
7	Socially-Accepted Path Planning for Robot Navigation Based on Social Interaction Spaces. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 644-655.	0.5	5
8	Socially aware robot navigation system in human-populated and interactive environments based on an adaptive spatial density function and space affordances. <i>Pattern Recognition Letters</i> , 2019, 118, 72-84.	2.6	45
9	Human-robot dialogue and Collaboration for social navigation in crowded environments. , 2019, , .		5
10	Preparation, structure, electrical properties and diffusional sodium pathways in the new Na <sub>5.2</sub> Cu <sub>1.9</sub> Al(AsO <sub>4</sub> ) <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , 2019, 276, 382-391.	1.4	4
11	Na <sub>3</sub> Bi(AsO <sub>4</sub> ) <sub>2</sub> : Synthesis, crystal structure and ionic conductivity. <i>Journal of Solid State Chemistry</i> , 2019, 272, 189-197.	1.4	11
12	Ubiquitous Learning: A Systematic Review. , 2019, , .		2
13	Planning Human-Robot Interaction for Social Navigation in Crowded Environments. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 195-208.	0.5	6
14	Stability against reduction of fluorite-like rhombohedral La <sub>5.5</sub> MoO <sub>11.25</sub> and Ho <sub>5.4</sub> Zr <sub>0.6</sub> MoO <sub>12.3</sub> fluorite: Conductivity and neutron diffraction study. <i>Solid State Ionics</i> , 2018, 319, 148-155.	1.3	18
15	Object Recognition and Semantic Mapping for Underwater Vehicles Using Sonar Data. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 91, 279-289.	2.0	8
16	A Flexible and Adaptive Spatial Density Model for Context-Aware Social Mapping: Towards a More Realistic Social Navigation. , 2018, , .		7
17	Synthesis, crystal structure and ionic conduction of the new alluaudite Na <sub>3</sub> Bi <sub>2</sub> (AsO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2018, 762, 806-813.	2.8	5
18	Planning object informed search for robots in household environments. , 2018, , .		2

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19	LifeBots I: Building the Software Infrastructure for Supporting Lifelong Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 391-402.	0.5	1
20	Sm <sub>6-x</sub> MoO <sub>12</sub> Î (x = 0, 0.5) and Sm <sub>6</sub> WO <sub>12</sub> Î Mixed electron-proton conducting materials. <i>Solid State Ionics</i> , 2017, 302, 143-151.	1.3	20
21	Polymorphism in the family of Ln <sub>6</sub> ~x</sub>MoO<sub>12</sub>Î (Ln = La, GdÎ“Lu; x = 0, 0.5) oxygen ion- and proton-conducting materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7618-7630.	5.2	30
22	Socially acceptable robot navigation over groups of people. , 2017, , .		13
23	A Passive Learning Sensor Architecture for Multimodal Image Labeling: An Application for Social Robots. <i>Sensors</i> , 2017, 17, 353.	2.1	2
24	Object Classification in Semi Structured Enviroment Using Forward-Looking Sonar. <i>Sensors</i> , 2017, 17, 2235.	2.1	16
25	Catalytic Behaviour of CuO-CeO <sub>2</sub> Systems Prepared by Different Synthetic Methodologies in the CO-PROX Reaction under CO <sub>2</sub> -H <sub>2</sub> O Feed Stream. <i>Catalysts</i> , 2017, 7, 160.	1.6	26
26	Effect of reaction temperature and sacrificial agent on the photocatalytic H <sub>2</sub> -production of Pt-TiO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2017, 721, 405-410.	2.8	69
27	Semantic Mapping on Underwater Environment Using Sonar Data. , 2016, , .		5
28	Decreasing the polarisation resistance of a Ni-YSZ solid oxide fuel cell anode by infiltration of a ceria-based solution. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19731-19736.	3.8	23
29	Electrical conductivity of Ln <sub>6</sub> Î“x Zr x MoO <sub>12</sub> + Î (Ln = La, Nd, Sm; x = 0.2, 0.6) ceramics during thermal cycling. <i>Inorganic Materials</i> , 2016, 52, 1055-1062.	0.2	12
30	Luminescence and structural analysis of Ce<sup>3+</sup> and Er<sup>3+</sup> doped and Ce<sup>3+</sup>Î“Er<sup>3+</sup> codoped Ca<sub>3</sub>Sc<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> garnets: influence of the doping concentration in the energy transfer processes. <i>RSC Advances</i> , 2016, 6, 15054-15061.	1.7	11
31	Freeze-dried Co <sub>3</sub> O <sub>4</sub> Î“CeO <sub>2</sub> catalysts for the preferential oxidation of CO with the presence of CO <sub>2</sub> and H <sub>2</sub> O in the feed. <i>Ceramics International</i> , 2016, 42, 7462-7474.	2.3	30
32	Influence of fluid flow and heat transfer on crack propagation in SOFC multi-layered like material with anisotropic porous layers. <i>International Journal of Solids and Structures</i> , 2016, 78-79, 189-198.	1.3	16
33	An advanced numerical model for energy conversion and crack growth predictions in Solid Oxide Fuel Cell units. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16509-16520.	3.8	15
34	A Perception-aware Architecture for Autonomous Robots. <i>International Journal of Advanced Robotic Systems</i> , 2015, , 1.	1.3	6
35	CGO <sub>20</sub> Î“CuO composites synthesized by the combustion method and characterized by H <sub>2</sub> -TPR. <i>Ceramics International</i> , 2015, 41, 10904-10909.	2.3	13
36	Proton Conduction and Long-Range Ferrimagnetic Ordering in Two Isostructural Copper(II) Mesoxalate MetalÎ“Organic Frameworks. <i>Inorganic Chemistry</i> , 2015, 54, 1597-1605.	1.9	46

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37	Fe-doped ceria nanopowders synthesized by freeze-drying precursor method for electrocatalytic applications. International Journal of Hydrogen Energy, 2015, 40, 3981-3989.	3.8	14
38	Structural and luminescence study of Ce <sup>3+</sup> and Tb <sup>3+</sup> doped Ca <sub>3</sub> Sc <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> garnets obtained by freeze-drying synthesis method. Optical Materials, 2015, 46, 109-114.	1.7	16
39	Crystal structure and proton conductivity of some Zr-doped rare-earth molybdates. Solid State Ionics, 2015, 271, 91-97.	1.3	26
40	High temperature properties of rare-earth tungstates RE <sub>2</sub> W <sub>2</sub> O <sub>9</sub> . Journal of Alloys and Compounds, 2015, 622, 557-564.	2.8	9
41	Co-precipitate precursor-based synthesis of new interstitial niobium molybdenum nitrides. Research on Chemical Intermediates, 2015, 41, 6397-6407.	1.3	7
42	Muecas: A Multi-Sensor Robotic Head for Affective Human Robot Interaction and Imitation. Sensors, 2014, 14, 7711-7737.	2.1	44
43	Fabrication and characterization of ceria-based buffer layers for solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 5433-5439.	3.8	15
44	Characterization and fabrication of LSCF tapes. Journal of the European Ceramic Society, 2014, 34, 953-959.	2.8	13
45	Zr-doped samarium molybdates as potential mixed electron-proton conductors. Solid State Ionics, 2014, 262, 713-718.	1.3	19
46	An XFEM model for cracked porous media: effects of fluid flow and heat transfer. International Journal of Fracture, 2014, 185, 155-169.	1.1	13
47	Study of the oxygen desorption from GdBa <sub>1-x</sub> Sr <sub>x</sub> Co <sub>2</sub> O <sub>5+δ</sub> (x=0, 0.25, 0.5 and 1): Effect of the Sr-content on the oxidation state of cobalt ions. Journal of Alloys and Compounds, 2014, 606, 269-272.	2.8	13
48	TPR studies on NiO-CGO composites prepared by combustion synthesis. Ceramics International, 2014, 40, 3469-3475.	2.3	18
49	The effect of Zn addition on the structure and transport properties of BaCe <sub>0.9-x</sub> Zr <sub>x</sub> Y <sub>0.1</sub> O <sub>3-δ</sub> . Journal of the European Ceramic Society, 2014, 34, 1553-1562.	2.8	44
50	A novel microstructured metal-supported solid oxide fuel cell. Journal of Power Sources, 2014, 272, 233-238.	4.0	20
51	TPR-TPD-TPO studies on CGO/NiO and CGO/CuO ceramics obtained from freeze-dried precursors. Ceramics International, 2014, 40, 15175-15182.	2.3	19
52	Influence of heat transfer and fluid flow on crack growth in multilayered porous/dense materials using XFEM: Application to Solid Oxide Fuel Cell like material design. International Journal of Solids and Structures, 2014, 51, 3557-3569.	1.3	16
53	Re-examination of effects of alumina on bulk and grain boundary conductivities of CGO solid electrolytes. Solid State Ionics, 2014, 256, 11-18.	1.3	9
54	Preferential CO oxidation (CO-PROX) catalyzed by CuO supported on nanocrystalline CeO <sub>2</sub> prepared by a freeze-drying method. Applied Catalysis A: General, 2014, 477, 54-63.	2.2	71

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55	TPR, XRD and XPS characterisation of ceria-based materials synthesized by freeze-drying precursor method. <i>Ceramics International</i> , 2014, 40, 6807-6814.	2.3	22
56	Fabrication and electrical characterization of several YSZ tapes for SOFC applications. <i>Ceramics International</i> , 2014, 40, 14253-14259.	2.3	19
57	Comparative study of CuO supported on CeO <sub>2</sub> , Ce <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>2</sub> and Ce <sub>0.8</sub> Al <sub>0.2</sub> O <sub>2</sub> based catalysts in the CO-PROX reaction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4102-4108.	3.8	41
58	A Novel Robust Scene Change Detection Algorithm for Autonomous Robots Using Mixtures of Gaussians. <i>International Journal of Advanced Robotic Systems</i> , 2014, 11, 18.	1.3	6
59	Prospective use of the 3D printing technology for the microstructural engineering of Solid Oxide Fuel Cell components. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2014, 53, 213-216.	0.9	22
60	Novelty detection and segmentation based on Gaussian mixture models: A case study in 3D robotic laser mapping. <i>Robotics and Autonomous Systems</i> , 2013, 61, 1696-1709.	3.0	19
61	Fast and adaptive 3D change detection algorithm for autonomous robots based on Gaussian Mixture Models. , 2013, , .		12
62	Improving change detection using Vertical Surface Normal Histograms and Gaussian Mixture Models in structured environments. , 2013, , .		1
63	Effect of samarium content on onset of minor p-type conductivity in ceria-based electrolytes. <i>Journal of Power Sources</i> , 2013, 227, 145-152.	4.0	8
64	Electro-catalytic performance of 60%NiO/Ce <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>2</sub> cermets as anodes of intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2013, 238, 87-94.	4.0	17
65	An XFEM crack-tip enrichment for a crack terminating at a bi-material interface. <i>Engineering Fracture Mechanics</i> , 2013, 102, 51-64.	2.0	62
66	Electrical properties of Ln <sub>6-<i>x</i></sub> Zr <sub><i>x</i></sub> MoO <sub>12</sub> (Ln= La, Sm; <i>x</i> = 0.2, 0.6, 1) multifunctional materials. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s581-s581.	0.3	0
67	Ursus: A Robotic Assistant for Training of Children with Motor Impairments. <i>Biosystems and Biorobotics</i> , 2013, , 249-253.	0.2	9
68	Stability of (Ln <sub>0.8</sub> Ca <sub>0.1</sub> Ln <sub>0.1</sub> ) <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> (Ln=Dy, Yb; Ln <sup>2+</sup> =Ce, Tb) and (Tb <sub>0.9</sub> Ca <sub>0.1</sub> ) <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> pyrochlores under redox conditions. <i>Solid State Ionics</i> , 2012, 225, 457-463.	1.3	5
69	Mo-Substituted Lanthanum Tungstate La <sub>28</sub> W <sub>4</sub> O <sub>54</sub> : A Competitive Mixed Electron-Proton Conductor for Gas Separation Membrane Applications. <i>Chemistry of Materials</i> , 2012, 24, 3868-3877.	3.2	96
70	Low temperature sintering of LaNbO <sub>4</sub> proton conductors from freeze-dried precursors. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1235-1244.	2.8	20
71	Microstructure and Conductivity of La <sub>1-<i>x</i></sub> Sr <sub><i>x</i></sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3</sub> Electrolytes Prepared Using the Freeze-Drying Method. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1031-1039.	1.9	27
72	The role of SiO <sub>2</sub> and sintering temperature on the grain boundary properties of Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>2</sub> . <i>Journal of Power Sources</i> , 2011, 196, 8383-8390.	4.0	26

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73	Effect of sintering aids on the conductivity of BaCe <sub>0.9</sub> Ln <sub>0.1</sub> O <sub>3</sub> . Journal of Power Sources, 2011, 196, 9154-9163.	4.0	46
74	Electrochemical performance of nanostructured La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> and Sm <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> cathodes for IT-SOFCs. Journal of Power Sources, 2011, 196, 9276-9283.	4.0	49
75	New oxide-ion conductor Ho <sub>2</sub> (Ti <sub>1.904</sub> Ho <sub>0.096</sub> )O <sub>6.952</sub> : structure and conductivity. Journal of Crystal Growth, 2011, 318, 966-970.	0.7	7
76	A Novel Approach to Engineer the Microstructure of Solid Oxide Fuel Cell materials. Fuel Cells, 2011, 11, 144-149.	1.5	7
77	Mechanical Characterisation at Nanometric Scale of a New Design of SOFCs. Fuel Cells, 2011, 11, 124-130.	1.5	14
78	Determination of hardness, Young's modulus and fracture toughness of lanthanum tungstates as novel proton conductors. Ceramics International, 2011, 37, 1593-1599.	2.3	20
79	Influence of rare-earth doping on the microstructure and conductivity of BaCe <sub>0.9</sub> Ln <sub>0.1</sub> O <sub>3</sub> proton conductors. Journal of Power Sources, 2011, 196, 3461-3469.	4.0	123
80	Visual Odometry Based on Structural Matching of Local Invariant Features Using Stereo Camera Sensor. Sensors, 2011, 11, 7262-7284.	2.1	12
81	Evaluation of apatite silicates as solid oxide fuel cell electrolytes. Journal of Power Sources, 2010, 195, 2496-2506.	4.0	80
82	Preparation and characterisation of La <sub>10</sub> Ge <sub>5.5</sub> Al <sub>0.5</sub> O <sub>26</sub> apatites by freeze-drying precursor method. Materials Research Bulletin, 2010, 45, 409-415.	2.7	11
83	Performance of a novel type of electrolyte-supported solid oxide fuel cell with honeycomb structure. Journal of Power Sources, 2010, 195, 516-521.	4.0	25
84	Mixed transport properties of Ce <sub>1-x</sub> Sm <sub>x</sub> O <sub>2-x/2</sub> system under fuel cell operating conditions. International Journal of Hydrogen Energy, 2010, 35, 11448-11455.	3.8	10
85	Redox behaviour, chemical compatibility and electrochemical performance of Sr <sub>2</sub> MgMoO <sub>6</sub> as SOFC anode. Solid State Ionics, 2010, 180, 1672-1682.	1.3	96
86	Fabrication of 3D carbon microstructures using glassy carbon microspheres and organic precursors. Carbon, 2010, 48, 3964-3967.	5.4	18
87	Change detection in 3D environments based on Gaussian Mixture Model and robust structural matching for autonomous robotic applications. , 2010, , .		10
88	Novelty detection and 3D shape retrieval using superquadrics and multi-scale sampling for autonomous mobile robots. , 2010, , .		22
89	Novelty detection and 3D shape retrieval based on Gaussian Mixture Models for autonomous surveillance robotics. , 2009, , .		12
90	Combined constraint matching algorithm for stereo visual odometry based on local interest points. , 2009, , .		0

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91	Spectral clustering for feature-based metric maps partitioning in a hybrid mapping framework. , 2009, ,		5
92	Novel Procedures for the Microstructural Design of SOFC Materials. ECS Transactions, 2009, 25, 567-576.	0.3	1
93	Curvature-Based Environment Description for Robot Navigation Using Laser Range Sensors. Sensors, 2009, 9, 5894-5918.	2.1	36
94	De-convolution of bulk and interfacial contributions based on impedance spectroscopy with external load resistance. Materials Research Bulletin, 2009, 44, 884-888.	2.7	6
95	Costâ€Effective Microstructural Engineering of Solid Oxide Fuel Cell Components for Planar and Tubular Designs. Journal of the American Ceramic Society, 2009, 92, 276-279.	1.9	14
96	A novel approach for salient image regions detection and description. Pattern Recognition Letters, 2009, 30, 1464-1476.	2.6	17
97	On Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1-<math>\gamma</math></sub> FeyO <sub>3-<math>\gamma</math></sub> ( $\gamma=0.1$ â€0.9) oxides as cathode materials for La <sub>0.9</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>2.85</sub> based IT-SOFCs. International Journal of Hydrogen Energy, 2009, 34, 9486-9495.	3.8	57
98	Ceria based mixed conductors with adjusted electronic conductivity in the bulk and/or along grain boundaries. Solid State Ionics, 2009, 180, 896-899.	1.3	12
99	Origin and quantitative analysis of the constant phase element of a platinum SOFC cathode using the state-space model. Solid State Ionics, 2009, 180, 1083-1090.	1.3	23
100	Synthesis and characterisation of BaCeO <sub>3</sub> -based proton conductors obtained from freeze-dried precursors. Journal of the European Ceramic Society, 2009, 29, 131-138.	2.8	48
101	Structural and electrochemical characterisation of Pr <sub>0.7</sub> Ca <sub>0.3</sub> Cr <sub>1-<math>\gamma</math></sub> MnyO <sub>3-<math>\gamma</math></sub> as symmetrical solid oxide fuel cell electrodes. Journal of Power Sources, 2009, 188, 230-237.	4.0	64
102	High temperature phase transition in SOFC anodes based on Sr <sub>2</sub> MgMoO <sub>6</sub> â€Ÿ. Journal of Solid State Chemistry, 2009, 182, 1027-1034.	1.4	52
103	Effect of sintering additive and low temperature on the electrode polarization of CGO. Journal of Alloys and Compounds, 2009, 467, 533-538.	2.8	17
104	New crystal structure and characterization of lanthanum tungstate â€œLa <sub>6</sub> WO <sub>12</sub> â€prepared by freeze-drying synthesis. Dalton Transactions, 2009, , 10273.	1.6	99
105	Optimization of the interface polarization of the La <sub>2</sub> NiO <sub>4</sub> -based cathode working with the Ce <sub>1-<math>x</math></sub> SmxO <sub>2</sub> â€Ÿ electrolyte system. Journal of Power Sources, 2008, 178, 151-162.	4.0	88
106	Phase stability and ionic conductivity in substituted La <sub>2</sub> W <sub>2</sub> O <sub>9</sub> . Journal of Solid State Chemistry, 2008, 181, 253-262.	1.4	34
107	Preparation of thin layer materials with macroporous microstructure for SOFC applications. Journal of Solid State Chemistry, 2008, 181, 685-692.	1.4	46
108	Natural landmark extraction for mobile robot navigation based on an adaptive curvature estimation. Robotics and Autonomous Systems, 2008, 56, 247-264.	3.0	43

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109	Evaluation of $GdBaCo_{2-x}O_{5+\delta}$ as Cathode Material for Doped Lanthanum Gallate Electrolyte SOFCs. Fuel Cells, 2008, 8, 351-359.	1.5	56
110	An all-in-one flourite-based symmetrical solid oxide fuel cell. Journal of Power Sources, 2008, 177, 154-160.	4.0	31
111	Effect of phase transition on high-temperature electrical properties of $GdBaCo_{2O_{5+x}}$ layered perovskite. Solid State Ionics, 2008, 179, 611-618.	1.3	108
112	Stability, chemical compatibility and electrochemical performance of $GdBaCo_{2O_{5+x}}$ layered perovskite as a cathode for intermediate temperature solid oxide fuel cells. Solid State Ionics, 2008, 179, 2372-2378.	1.3	112
113	Synthesis, phase stability and electrical conductivity of $Sr_{2}MgMoO_{6-\delta}$ anode. Materials Research Bulletin, 2008, 43, 2441-2450.	2.7	70
114	Is YSZ stable in the presence of Cu?. Journal of Materials Chemistry, 2008, 18, 5072.	6.7	23
115	An Algorithm for Fitting 2-D Data on the Circle: Applications to Mobile Robotics. IEEE Signal Processing Letters, 2008, 15, 127-130.	2.1	18
116	CF-IDC: A robust robot's self-localization in dynamic environments using curvature information. , 2008, , .		1
117	Simultaneous mobile robot localization and mapping using an adaptive curvature-based environment description. , 2008, , .		2
118	Laser irradiation in $Nd^{3+}$ doped strontium barium niobate glass. Journal of Applied Physics, 2008, 104, 013112.	1.1	13
119	Determinaci3n de los n3meros de transporte i3nico de materiales basados en el galato de lantano mediante t3cnicas de espectroscopia de impedancia y FEM. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2008, 47, 153-158.	0.9	3
120	Potenciales materiales de electrodo para Pilas de Combustible de 3ido sim3tricas. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2008, 47, 183-188.	0.9	20
121	Caracterizaci3n estructural y el3ctrica del $La_{2-x}Mo_{2-x}O_{9-x}$ substituido por $Nb_{5+}$ y $Cr_{6+}$ . Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2008, 47, 213-218.	0.9	8
122	Materials for Symmetrical Solid Oxide Fuel Cells. ECS Transactions, 2007, 7, 905-912.	0.3	14
123	A Curvature based Method to Extract Natural Landmarks for Mobile Robot Navigation. , 2007, , .		2
124	A new anode for solid oxide fuel cells with enhanced OCV under methane operation. Physical Chemistry Chemical Physics, 2007, 9, 1821-1830.	1.3	38
125	Pressure-induced Jahn-Teller suppression and simultaneous high-spin to low-spin transition in the layered perovskite $CsMnF_4$ . Physical Review B, 2007, 76.	1.1	40
126	Applicability of $La_{2-x}Mo_{2-y}W_yO_9$ materials as solid electrolyte for SOFCs. Solid State Ionics, 2007, 178, 1366-1378.	1.3	64



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127	Re-examination of bulk and grain boundary conductivities of $\text{Ce}_{1-x}\text{Gd}_x\text{O}_2$ ceramics. <i>Electrochimica Acta</i> , 2007, 52, 2001-2008.	2.6	52
128	Synthesis and transport properties in $\text{La}_{2-x}\text{A}_x\text{Mo}_2\text{O}_9$ (A=Ca <sup>2+</sup> , Sr <sup>2+</sup> , Ba <sup>2+</sup> , K <sup>+</sup> ) series. <i>Electrochimica Acta</i> , 2007, 52, 5219-5231.	2.6	75
129	Improvement of the electrochemical properties of novel solid oxide fuel cell anodes, $\text{La}_{0.75}\text{Sr}_{0.25}\text{Cr}_{0.5}\text{Mn}_{0.5}\text{O}_3$ and $\text{La}_4\text{Sr}_8\text{Ti}_{11}\text{Mn}_{0.5}\text{Ga}_{0.5}\text{O}_{37.5}$ , using Cu-YSZ-based cermets. <i>Electrochimica Acta</i> , 2007, 52, 7217-7225.	2.6	51
130	Reducibility of $\text{Ce}_{1-x}\text{Gd}_x\text{O}_2$ in prospective working conditions. <i>Journal of Power Sources</i> , 2007, 173, 291-297.	4.0	33
131	Fe-substituted (La,Sr)TiO <sub>3</sub> as potential electrodes for symmetrical fuel cells (SFCs). <i>Journal of Power Sources</i> , 2007, 171, 552-557.	4.0	102
132	Structural characterization, magnetic behavior and high-resolution EELS study of new perovskites $\text{Sr}_2\text{Ru}_2\text{Co}_x\text{O}_6$ (0.5 ≤ x ≤ 1.5). <i>Journal of Solid State Chemistry</i> , 2007, 180, 1209-1217.	1.4	13
133	LSCM-YSZ-CGO composites as improved symmetrical electrodes for solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4223-4227.	2.8	79
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