

Maria Cannio

List of Publications by Year in descending order

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42
papers

1,002
citations

430874

18
h-index

434195

31
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42
docs citations

42
times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into t->m transition of MW treated 3Y-PSZ ceramics by grazing incidence X-ray diffraction. <i>Journal of the European Ceramic Society</i> , 2022, 42, 227-237.	5.7	3
2	Surface Optimization of Commercial Porous Ti Substrates by EPD of Titanium Nitride. <i>Membranes</i> , 2022, 12, 531.	3.0	1
3	Smart catalyst deposition by 3D printing for Polymer Electrolyte Membrane Fuel Cell manufacturing. <i>Renewable Energy</i> , 2021, 163, 414-422.	8.9	21
4	Manufacturing of BaCe _{0.65} Zr _{0.20} Y _{0.15} O _{3-δ} -Ce _{0.85} Gd _{0.15} O _{2-δ} structures by micro-extrusion 3D-printing. <i>Materials Letters</i> , 2021, 284, 128970.	2.6	5
5	Electrophoretic deposition: An effective technique to obtain functionalized nanocoatings. , 2021, , 209-230.		3
6	Bioactive Glass Applications: A Literature Review of Human Clinical Trials. <i>Materials</i> , 2021, 14, 5440.	2.9	90
7	Redox-Active Ferrocene grafted on H-Terminated Si(111): Electrochemical Characterization of the Charge Transport Mechanism and Dynamics. <i>Scientific Reports</i> , 2019, 9, 8735.	3.3	18
8	Review of Catalyst-deposition Techniques for PEMFC Electrodes. <i>Tecnica Italiana</i> , 2019, 63, 65-72.	0.2	10
9	Bioglass and bioceramic composites processed by Spark Plasma Sintering (SPS): biological evaluation Versus SBF test. <i>Biomedical Glasses</i> , 2018, 4, 21-31.	2.4	15
10	Influence of porosity on mechanical properties of tetragonal stabilized zirconia. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1720-1735.	5.7	41
11	Microstructure and engineering properties of Fe ₂ O ₃ (FeO)-Al ₂ O ₃ -SiO ₂ based geopolymer composites. <i>Journal of Cleaner Production</i> , 2018, 199, 849-859.	9.3	80
12	Spin-dependent electrochemistry: Enantio-selectivity driven by chiral-induced spin selectivity effect. <i>Electrochimica Acta</i> , 2018, 286, 271-278.	5.2	35
13	Determination of the bonding strength in solid oxide fuel cells™ interfaces by Schwickerath crack initiation test. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3565-3578.	5.7	18
14	Substitution of sodium silicate with rice husk ash-NaOH solution in metakaolin based geopolymer cement concerning reduction in global warming. <i>Journal of Cleaner Production</i> , 2017, 142, 3050-3060.	9.3	131
15	Preparation of an aqueous graphitic ink for thermal drop-on-demand inkjet printing. <i>Materials Chemistry and Physics</i> , 2016, 182, 263-271.	4.0	16
16	Stabilization and thermal conductivity of aqueous magnetite nanofluid from continuous flows hydrothermal microwave synthesis. <i>Materials Letters</i> , 2016, 173, 195-198.	2.6	8
17	Investigation of the bonding strength and bonding mechanisms of SOFCs interconnectorâ€“electrode interfaces. <i>Materials Letters</i> , 2016, 162, 250-253.	2.6	16
18	Ultrafast microwave hydrothermal synthesis and characterization of Bi _{1-x} LaxFeO ₃ micronized particles. <i>Materials Chemistry and Physics</i> , 2015, 162, 69-75.	4.0	17

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19	Geopolymers: An option for the valorization of incinerator bottom ash derived "end of waste" Ceramics International, 2015, 41, 2116-2123.	4.8	42
20	Stabilization of bismuth ferrite suspensions in aqueous medium with sodium polyacrylate characterized by different molecular weights. Materials Chemistry and Physics, 2015, 149-150, 246-253.	4.0	9
21	An efficient and fast analytical procedure for the bromine determination in waste electrical and electronic equipment plastics. Environmental Technology (United Kingdom), 2014, 35, 3147-3152.	2.2	17
22	Metakaolin-based inorganic polymer composite: Effects of fine aggregate composition and structure on porosity evolution, microstructure and mechanical properties. Cement and Concrete Composites, 2014, 53, 258-269.	10.7	56
23	Electrophoretic deposition of multiferroic BiFeO ₃ sub-micrometric particles from stabilized suspensions. Journal of the European Ceramic Society, 2013, 33, 1325-1333.	5.7	30
24	Optimization of BFO microwave-hydrothermal synthesis: Influence of process parameters. Journal of Alloys and Compounds, 2013, 558, 150-159.	5.5	32
25	Effect of low-temperature high-pressure sintering on BiFeO ₃ density, electrical magnetic and structural properties. Phase Transitions, 2013, 86, 1104-1114.	1.3	5
26	Full quantitative phase analysis of hydrated lime using the Rietveld method. Cement and Concrete Research, 2012, 42, 1273-1279.	11.0	31
27	Mechanical activation of raw materials in the synthesis of Fe ₂ O ₃ •ZrSiO ₄ inclusion pigment. Journal of the European Ceramic Society, 2012, 32, 643-647.	5.7	35
28	A lifetime prediction method based on Cumulative Flaw Length Theory. Journal of the European Ceramic Society, 2012, 32, 1175-1186.	5.7	5
29	The p-Index and R _i Ratio Gap Methods for the Assessment of Corrosion Risk in Refractory Materials in Contact with Glass Melts. Journal of the American Ceramic Society, 2010, 93, 1355-1363.	3.8	8
30	Application of a neural network approach to the electrophoretic deposition of PEEK•alumina composite coatings. Materials Research Bulletin, 2009, 44, 1494-1501.	5.2	25
31	A statistical approach for the assessment of reliability in ceramic materials from ultrasonic velocity measurement: Cumulative Flaw Length Theory. Engineering Fracture Mechanics, 2009, 76, 1750-1759.	4.3	3
32	The Electrophoretic Deposition of Bioglass®/Carbon Nanotube composite layers for bioactive coatings. International Journal of Materials and Product Technology, 2009, 35, 260.	0.2	16
33	Chromium electrodeposition from Cr(VI) low concentration solutions. Journal of Applied Electrochemistry, 2008, 38, 425-436.	2.9	11
34	Assessment of viscoelastic crack bridging toughening in refractory materials. Journal of the European Ceramic Society, 2008, 28, 1941-1951.	5.7	14
35	Synthesis of chromium containing pigments from chromium galvanic sludges. Journal of Hazardous Materials, 2008, 156, 466-471.	12.4	38
36	Quality Control and Thermal Shock Damage Characterization of High-Temperature Ceramics by Ultrasonic Pulse Velocity Testing. International Journal of Applied Ceramic Technology, 2007, 4, 260-268.	2.1	21

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37	Role of the solvent in the oxidative process of a Hg electrode in the presence of thiopyrimidine derivatives. Canadian Journal of Chemistry, 2005, 83, 1132-1136.	1.1	0
38	Redox thermodynamics of cytochrome c adsorbed on mercaptoundecanol monolayer electrodes. Journal of Electroanalytical Chemistry, 2004, 564, 45-52.	3.8	19
39	Electrochemical Behavior of Diphenyl Disulfide and Thiophenol on Glassy Carbon and Gold Electrodes in Aprotic Media. Electroanalysis, 2003, 15, 1192-1197.	2.9	33
40	Substituent Effects in the Reduction Behaviour of Thio- and Oxopyrimidines in Non-Aqueous Solvents. Australian Journal of Chemistry, 2003, 56, 1233.	0.9	1
41	Synthesis, crystal and molecular structure, spectroscopic and electrochemical studies of trichloro-oxo(4,6-dimethylpyrimidine-2(1H)-thione)(triphenylphosphine oxide)rhenium(V) complex. Inorganica Chimica Acta, 2001, 320, 178-183.	2.4	8
42	Synthesis, magnetic, spectroscopic and electrochemical studies of mixed pyrimidine-2-thiolate/triphenylphosphine rhenium(V) and rhenium(III) complexes. Polyhedron, 2000, 19, 2163-2170.	2.2	15