

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
g-index

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all docs

42
docs citations

42
times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Bioactive Glass Applications: A Literature Review of Human Clinical Trials. <i>Materials</i> , 2021, 14, 5440.	2.9	90
3	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
4	Metakaolin-based inorganic polymer composite: Effects of fine aggregate composition and structure on porosity evolution, microstructure and mechanical properties. <i>Cement and Concrete Composites</i> , 2014, 53, 258-269.	10.7	56
5	Geopolymers: An option for the valorization of incinerator bottom ash derived "end of waste". <i>Ceramics International</i> , 2015, 41, 2116-2123.	4.8	42
6	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
7	Synthesis of chromium containing pigments from chromium galvanic sludges. <i>Journal of Hazardous Materials</i> , 2008, 156, 466-471.	12.4	38
8	Mechanical activation of raw materials in the synthesis of Fe ₂ O ₃ •ZrSiO ₄ inclusion pigment. <i>Journal of the European Ceramic Society</i> , 2012, 32, 643-647.	5.7	35
9	Spin-dependent electrochemistry: Enantio-selectivity driven by chiral-induced spin selectivity effect. <i>Electrochimica Acta</i> , 2018, 286, 271-278.	5.2	35
10	Electrochemical Behavior of Diphenyl Disulfide and Thiophenol on Glassy Carbon and Gold Electrodes in Aprotic Media. <i>Electroanalysis</i> , 2003, 15, 1192-1197.	2.9	33
11	Optimization of BFO microwave-hydrothermal synthesis: Influence of process parameters. <i>Journal of Alloys and Compounds</i> , 2013, 558, 150-159.	5.5	32
12	Full quantitative phase analysis of hydrated lime using the Rietveld method. <i>Cement and Concrete Research</i> , 2012, 42, 1273-1279.	11.0	31
13	Electrophoretic deposition of multiferroic BiFeO ₃ sub-micrometric particles from stabilized suspensions. <i>Journal of the European Ceramic Society</i> , 2013, 33, 1325-1333.	5.7	30
14	Application of a neural network approach to the electrophoretic deposition of PEEK•alumina composite coatings. <i>Materials Research Bulletin</i> , 2009, 44, 1494-1501.	5.2	25
15	Quality Control and Thermal Shock Damage Characterization of High-Temperature Ceramics by Ultrasonic Pulse Velocity Testing. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 260-268.	2.1	21
16	Smart catalyst deposition by 3D printing for Polymer Electrolyte Membrane Fuel Cell manufacturing. <i>Renewable Energy</i> , 2021, 163, 414-422.	8.9	21
17	Redox thermodynamics of cytochrome c adsorbed on mercaptoundecanol monolayer electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2004, 564, 45-52.	3.8	19
18	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

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19	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
20	An efficient and fast analytical procedure for the bromine determination in waste electrical and electronic equipment plastics. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 3147-3152.	2.2	17
21	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
22	The Electrophoretic Deposition of Bioglass®/Carbon Nanotube composite layers for bioactive coatings. <i>International Journal of Materials and Product Technology</i> , 2009, 35, 260.	0.2	16
23	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
24	Investigation of the bonding strength and bonding mechanisms of SOFCs interconnector-electrode interfaces. <i>Materials Letters</i> , 2016, 162, 250-253.	2.6	16
25	Synthesis, magnetic, spectroscopic and electrochemical studies of mixed pyrimidine-2-thiolate/triphenylphosphine rhenium(V) and rhenium(III) complexes. <i>Polyhedron</i> , 2000, 19, 2163-2170.	2.2	15
26	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
27	Assessment of viscoelastic crack bridging toughening in refractory materials. <i>Journal of the European Ceramic Society</i> , 2008, 28, 1941-1951.	5.7	14
28	Chromium electrodeposition from Cr(VI) low concentration solutions. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 425-436.	2.9	11
29	Review of Catalyst-deposition Techniques for PEMFC Electrodes. <i>Tecnica Italiana</i> , 2019, 63, 65-72.	0.2	10
30	Stabilization of bismuth ferrite suspensions in aqueous medium with sodium polyacrylate characterized by different molecular weights. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 246-253.	4.0	9
31	Synthesis, crystal and molecular structure, spectroscopic and electrochemical studies of trichloro-oxo(4,6-dimethylpyrimidine-2(1H)-thione)(triphenylphosphine oxide)rhenium(V) complex. <i>Inorganica Chimica Acta</i> , 2001, 320, 178-183.	2.4	8
32	The pO ₂ -index and $\frac{R_p}{i_0}$ Ratio Gap Methods for the Assessment of Corrosion Risk in Refractory Materials in Contact with Glass Melts. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1355-1363.	3.8	8
33	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
34	A lifetime prediction method based on Cumulative Flaw Length Theory. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1175-1186.	5.7	5
35	Effect of low-temperature high-pressure sintering on BiFeO ₃ density, electrical magnetic and structural properties. <i>Phase Transitions</i> , 2013, 86, 1104-1114.	1.3	5
36	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

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37	A statistical approach for the assessment of reliability in ceramic materials from ultrasonic velocity measurement: Cumulative Flaw Length Theory. <i>Engineering Fracture Mechanics</i> , 2009, 76, 1750-1759.	4.3	3
38	Electrophoretic deposition: An effective technique to obtain functionalized nanocoatings. , 2021, , 209-230.		3
39	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
40	Substituent Effects in the Reduction Behaviour of Thio- and Oxopyrimidines in Non-Aqueous Solvents. <i>Australian Journal of Chemistry</i> , 2003, 56, 1233.	0.9	1
41	Surface Optimization of Commercial Porous Ti Substrates by EPD of Titanium Nitride. <i>Membranes</i> , 2022, 12, 531.	3.0	1
42	Role of the solvent in the oxidative process of a Hg electrode in the presence of thiopyrimidine derivatives. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1132-1136.	1.1	0