

Giorgio Luciano

List of Publications by Year in descending order

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42
papers

1,255
citations

394421

19
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysing sensory panel performance in a proficiency test using the PanelCheck software. <i>European Food Research and Technology</i> , 2010, 230, 497-511.	3.3	106
2	Thermal analysis and characterisation of cellulose oxidised with sodium methaperiodate. <i>Thermochimica Acta</i> , 2004, 418, 123-130.	2.7	99
3	FTIR and WAXS analysis of periodate oxycellulose: Evidence for a cluster mechanism of oxidation. <i>Vibrational Spectroscopy</i> , 2006, 40, 177-183.	2.2	99
4	Effect of sieve particle size on functional, thermal, rheological and pasting properties of Indian and Turkish lentil flour. <i>Journal of Food Engineering</i> , 2016, 186, 34-41.	5.2	76
5	Thermal analysis and characterisation of cellulose grafted with acrylic monomers. <i>Thermochimica Acta</i> , 2005, 425, 173-179.	2.7	75
6	Poly(lactide/poly(μ -caprolactone)/zinc oxide/clove essential oil composite antimicrobial films for scrambled egg packaging. <i>Food Packaging and Shelf Life</i> , 2019, 21, 100355.	7.5	73
7	Multivariate calibration of mango firmness using vis/NIR spectroscopy and acoustic impulse method. <i>Journal of Food Engineering</i> , 2009, 94, 7-13.	5.2	63
8	Thermal and corrosion behavior of as cast Al Si alloys with rare earth elements. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2180-2189.	5.5	60
9	Colour measurements on patinas and coating system for outdoor bronze monuments. <i>Journal of Cultural Heritage</i> , 2006, 7, 166-170.	3.3	47
10	A Review of Structural Adhesive Joints in Hybrid Joining Processes. <i>Polymers</i> , 2021, 13, 3961.	4.5	47
11	Interpreting sensory data by combining principal component analysis and analysis of variance. <i>Food Quality and Preference</i> , 2009, 20, 167-175.	4.6	45
12	3D cellular automata simulations of intra and intergranular corrosion. <i>Corrosion Science</i> , 2016, 112, 438-450.	6.6	41
13	Non-isothermal crystallization behavior, rheological properties and morphology of poly(μ -caprolactone)/graphene oxide nanosheets composite films. <i>Thermochimica Acta</i> , 2018, 659, 96-104.	2.7	33
14	Artificial Neural Networks for Pyrolysis, Thermal Analysis, and Thermokinetic Studies: The Status Quo. <i>Molecules</i> , 2021, 26, 3727.	3.8	30
15	Principal component analysis of colour measurements of patinas and coating systems for outdoor bronze monuments. <i>Journal of Cultural Heritage</i> , 2009, 10, 331-337.	3.3	27
16	Applications of chemometric tools in corrosion studies. <i>Corrosion Science</i> , 2010, 52, 2750-2757.	6.6	27
17	Correlating hydrophobicity to surface chemistry of microstructured aluminium surfaces. <i>Applied Surface Science</i> , 2021, 542, 148574.	6.1	27
18	Optimization of a glucose biosensor setup based on a Ni/Al HT matrix. <i>Analytica Chimica Acta</i> , 2007, 599, 36-40.	5.4	24

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19	Double-step moulding: An effective method to induce the formation of β -phase in PVDF. <i>Polymer</i> , 2020, 193, 122345.	3.8	22
20	Development and evaluation of an eco-friendly hybrid epoxy-silicon coating for the corrosion protection of aluminium alloys. <i>Progress in Organic Coatings</i> , 2017, 110, 78-85.	3.9	18
21	Rapid <i>In Situ</i> Repeatable Analysis of Drugs in Powder Form Using Reflectance Near-Infrared Spectroscopy and Multivariate Calibration. <i>Journal of Forensic Sciences</i> , 2012, 57, 86-92.	1.6	17
22	Neutron reflectometry studies of aluminium-saline water interface under hydrostatic pressure. <i>Corrosion Science</i> , 2015, 90, 101-106.	6.6	17
23	Characterization of the effect of an epoxy adhesive in hybrid FSW-bonding aluminium-steel joints for naval application. <i>International Journal of Adhesion and Adhesives</i> , 2020, 103, 102702.	2.9	17
24	Explorative Kinetic Study on the Thermal Degradation of Five Wood Species for Applications in the Archaeological Field. <i>Annali Di Chimica</i> , 2006, 96, 715-725.	0.6	16
25	Inhibition of aluminum alloy corrosion in electrolytes by self-assembled fluorophosphonic acid molecular layer. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 1027-1033.	1.5	15
26	Thermal and microscope analysis as a tool in the characterisation of ancient papyri. <i>Thermochimica Acta</i> , 2004, 418, 39-45.	2.7	13
27	Dielectric properties of β -lactoglobulin as influenced by pH, concentration and temperature. <i>Journal of Food Engineering</i> , 2009, 95, 30-35.	5.2	12
28	Effect of molecular-scale surface energy alteration of aluminium on its corrosion resistance behaviour. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 26-33.	4.7	12
29	High Refractive Index Inverse Vulcanized Polymers for Organic Photonic Crystals. <i>Crystals</i> , 2020, 10, 154.	2.2	12
30	Nonisothermal crystallization behavior of polylactide/polyethylene glycol/graphene oxide nanosheets composite films. <i>Polymer Composites</i> , 2020, 41, 2108-2119.	4.6	12
31	Dielectric Properties of Potato Puree in Microwave Frequency Range as Influenced by Concentration and Temperature. <i>International Journal of Food Properties</i> , 2009, 12, 896-909.	3.0	11
32	Electrochemical behaviour of superhydrophobic coating fabricated by spraying a carbon nanotube suspension. <i>Bulletin of Materials Science</i> , 2015, 38, 579-582.	1.7	10
33	Activation Energy Determination in Case of Independent Complex Kinetic Processes. <i>Processes</i> , 2019, 7, 738.	2.8	10
34	Fully consistent terpolymeric non-releasing antioxidant additives for long lasting polyolefin packaging materials. <i>Polymer Degradation and Stability</i> , 2017, 144, 167-175.	5.8	9
35	Archaeometallurgical characterisation of two small copper-based statues from the Cividale Museum (Friuli, Italy). <i>Journal of Cultural Heritage</i> , 2004, 5, 205-211.	3.3	7
36	Complex process activation energy evaluated by combined utilization of differential and integral isoconversional methods. <i>Journal of Non-Crystalline Solids</i> , 2020, 535, 120003.	3.1	6

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37	oreo: An R package for large amplitude oscillatory analysis. <i>SoftwareX</i> , 2021, 15, 100769.	2.6	6
38	Neural networks applied in kinetic analysis of complex nucleation-growth processes: Outstanding solution for fully overlapping reaction mechanisms. <i>Journal of Non-Crystalline Solids</i> , 2022, 588, 121640.	3.1	5
39	takos: An R package for thermal analysis calculations. <i>SoftwareX</i> , 2020, 12, 100637.	2.6	4
40	2,5-Diisopropenylthiophene by Suzuki–Miyaura cross-coupling reaction and its exploitation in inverse vulcanization: a case study. <i>RSC Advances</i> , 2022, 12, 8924-8935.	3.6	3
41	Simulation and non-linear optimization of ÅestÅ;k-Berggren kinetics. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120391.	3.1	2
42	Thermal characterization of epoxy adhesives modified with nanofillers for hybrid friction stir welding process. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0