

Andrea Lorenzi

List of Publications by Year in descending order

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papers

806
citations

430874

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29
all docs

29
docs citations

29
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Ag-functionalized nanocrystalline cellulose for paper preservation and strengthening. Carbohydrate Polymers, 2020, 231, 115773.	10.2	29
2	Weathering resistance of PMMA/SiO ₂ /ZrO ₂ hybrid coatings for sandstone conservation. Polymer Degradation and Stability, 2018, 147, 274-283.	5.8	24
3	Silk fabrics modification by sol-gel method. Textile Reseach Journal, 2018, 88, 99-107.	2.2	5
4	Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones. MethodsX, 2018, 5, 1095-1101.	1.6	4
5	Synthesis and characterization of photocatalytic hydrophobic hybrid TiO ₂ -SiO ₂ coatings for building applications. Building and Environment, 2017, 111, 72-79.	6.9	60
6	OctTES/TEOS system for hybrid coatings: real-time monitoring of the hydrolysis and condensation by Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 699-705.	2.5	24
7	Synthesis and Characterization of Iron-Rich Glass Ceramic Materials: A Model for Steel Industry Waste Reuse. Journal of Materials Science and Technology, 2016, 32, 1105-1110.	10.7	5
8	Photocatalytic self-cleaning TiO ₂ coatings on carbonatic stones. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	22
9	Evaluation of surface properties of epoxy-nanodiamonds composites. Composites Part B: Engineering, 2015, 80, 27-36.	12.0	44
10	Characterization and photocatalytic activity of TiO ₂ by sol-gel in acid and basic environments. Journal of Sol-Gel Science and Technology, 2015, 73, 91-102.	2.4	20
11	Nanocrystalline TiO ₂ coatings by sol-gel: photocatalytic activity on Pietra di Noto biocalcarenite. Journal of Sol-Gel Science and Technology, 2015, 75, 141-151.	2.4	28
12	Immobilization of iron rich steel industry waste and products characterization. Journal of Environmental Chemical Engineering, 2015, 3, 196-201.	6.7	6
13	Synthesis and characterization of nanocrystalline TiO ₂ with application as photoactive coating on stones. Environmental Science and Pollution Research, 2014, 21, 13264-13277.	5.3	37
14	Natamycin based sol-gel antimicrobial coatings on polylactic acid films for food packaging. Food Chemistry, 2014, 165, 342-347.	8.2	56
15	Antimicrobial films containing lysozyme for active packaging obtained by sol-gel technique. Journal of Food Engineering, 2013, 119, 580-587.	5.2	52
16	Hybrid sol-gel based coatings for the protection of historical window glass. Journal of Sol-Gel Science and Technology, 2013, 66, 253-263.	2.4	28
17	Nanocrystalline TiO ₂ by sol-gel: Characterisation and photocatalytic activity on Modica and Comiso stones. Applied Surface Science, 2013, 282, 165-173.	6.1	37
18	Ceramic aerogels from TEMPO-oxidized cellulose nanofibre templates: Synthesis, characterization, and photocatalytic properties. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 261, 53-60.	3.9	61

#	ARTICLE	IF	CITATIONS
19	Structural and vibrational characterization of medieval like glass samples. Journal of Non-Crystalline Solids, 2012, 358, 814-819.	3.1	20
20	Improved silica xerogel film processing for MALDI-TOF-MS quantitative analysis of peptides and small molecules. Journal of Sol-Gel Science and Technology, 2011, 60, 359-365.	2.4	2
21	Study of silica nanoparticles - polysiloxane hydrophobic treatments for stone-based monument protection. Journal of Cultural Heritage, 2011, 12, 356-363.	3.3	145
22	Sol-gel silicon alkoxides-polyethylene glycol derived hybrids for drug delivery systems. Journal of Applied Biomaterials and Biomechanics, 2010, 8, 14-9.	0.4	2
23	Titanium and zirconium hard coatings on glass substrates prepared by the sol-gel method. Thin Solid Films, 2009, 517, 5881-5887.	1.8	9
24	Materials development for CO-detection with improved selectivity through catalytic activation. Sensors and Actuators B: Chemical, 2006, 118, 121-128.	7.8	23
25	Photoinduced dichroism in dye-doped hybrid sol-gel films. Optical Materials, 2006, 28, 909-912.	3.6	6
26	Photoinduced effects in hybrid sol-gel materials. Journal of Sol-Gel Science and Technology, 2006, 37, 201-206.	2.4	10
27	Micro-Raman monitoring of solvent-free TEOS hydrolysis. Journal of Non-Crystalline Solids, 2005, 351, 495-498.	3.1	26
28	Photorefractive gratings in DR1-doped hybrid sol-gel films. Optical Materials, 2004, 25, 419-423.	3.6	17
29	Silica-based photorefractive sol-gel films for holography. Journal of Non-Crystalline Solids, 2004, 345-346, 428-432.	3.1	4