

# Andrea Lorenzi

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

806  
citations

430874

18  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of silica nanoparticles and polysiloxane hydrophobic treatments for stone-based monument protection. <i>Journal of Cultural Heritage</i> , 2011, 12, 356-363.	3.3	145
2	Ceramic aerogels from TEMPO-oxidized cellulose nanofibre templates: Synthesis, characterization, and photocatalytic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 261, 53-60.	3.9	61
3	Synthesis and characterization of photocatalytic hydrophobic hybrid TiO <sub>2</sub> -SiO <sub>2</sub> coatings for building applications. <i>Building and Environment</i> , 2017, 111, 72-79.	6.9	60
4	Natamycin based sol-gel antimicrobial coatings on polylactic acid films for food packaging. <i>Food Chemistry</i> , 2014, 165, 342-347.	8.2	56
5	Antimicrobial films containing lysozyme for active packaging obtained by sol-gel technique. <i>Journal of Food Engineering</i> , 2013, 119, 580-587.	5.2	52
6	Evaluation of surface properties of epoxy-nanodiamonds composites. <i>Composites Part B: Engineering</i> , 2015, 80, 27-36.	12.0	44
7	Nanocrystalline TiO <sub>2</sub> by sol-gel: Characterisation and photocatalytic activity on Modica and Comiso stones. <i>Applied Surface Science</i> , 2013, 282, 165-173.	6.1	37
8	Synthesis and characterization of nanocrystalline TiO <sub>2</sub> with application as photoactive coating on stones. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13264-13277.	5.3	37
9	Ag-functionalized nanocrystalline cellulose for paper preservation and strengthening. <i>Carbohydrate Polymers</i> , 2020, 231, 115773.	10.2	29
10	Hybrid sol-gel based coatings for the protection of historical window glass. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 253-263.	2.4	28
11	Nanocrystalline TiO <sub>2</sub> coatings by sol-gel: photocatalytic activity on Pietra di Noto biocalcareneite. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 141-151.	2.4	28
12	Micro-Raman monitoring of solvent-free TEOS hydrolysis. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 495-498.	3.1	26
13	OctTES/TEOS system for hybrid coatings: real-time monitoring of the hydrolysis and condensation by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 699-705.	2.5	24
14	Weathering resistance of PMMA/SiO <sub>2</sub> /ZrO <sub>2</sub> hybrid coatings for sandstone conservation. <i>Polymer Degradation and Stability</i> , 2018, 147, 274-283.	5.8	24
15	Materials development for CO-detection with improved selectivity through catalytic activation. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 121-128.	7.8	23
16	Photocatalytic self-cleaning TiO <sub>2</sub> coatings on carbonatic stones. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	22
17	Structural and vibrational characterization of medieval like glass samples. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 814-819.	3.1	20
18	Characterization and photocatalytic activity of TiO <sub>2</sub> by sol-gel in acid and basic environments. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 91-102.	2.4	20

#	ARTICLE	IF	CITATIONS
19	Photorefractive gratings in DR1-doped hybrid sol-gel films. <i>Optical Materials</i> , 2004, 25, 419-423.	3.6	17
20	Photoinduced effects in hybrid sol-gel materials. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 37, 201-206.	2.4	10
21	Titanium and zirconium hard coatings on glass substrates prepared by the sol-gel method. <i>Thin Solid Films</i> , 2009, 517, 5881-5887.	1.8	9
22	Photoinduced dichroism in dye-doped hybrid sol-gel films. <i>Optical Materials</i> , 2006, 28, 909-912.	3.6	6
23	Immobilization of iron rich steel industry waste and products characterization. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 196-201.	6.7	6
24	Synthesis and Characterization of Iron-Rich Glass Ceramic Materials: A Model for Steel Industry Waste Reuse. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1105-1110.	10.7	5
25	Silk fabrics modification by sol-gel method. <i>Textile Research Journal</i> , 2018, 88, 99-107.	2.2	5
26	Silica-based photorefractive sol-gel films for holography. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 428-432.	3.1	4
27	Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones. <i>MethodsX</i> , 2018, 5, 1095-1101.	1.6	4
28	Improved silica xerogel film processing for MALDI-TOF-MS quantitative analysis of peptides and small molecules. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 359-365.	2.4	2
29	Sol-gel silicon alkoxides-polyethylene glycol derived hybrids for drug delivery systems. <i>Journal of Applied Biomaterials and Biomechanics</i> , 2010, 8, 14-9.	0.4	2