Laura Bergamonti

List of Publications by Year
in descending order

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30 papers	618 citations	687220 13 h-index	580701 25 g-index
30 all docs	30 docs citations	30 times ranked	840 citing authors

#	Article	IF	Citations
1	3D printed chitosan scaffolds: A new TiO2 support for the photocatalytic degradation of amoxicillin in water. Water Research, 2019, 163, 114841.	5.3	102
2	Enhanced self-cleaning properties of N-doped TiO 2 coating for Cultural Heritage. Microchemical Journal, 2017, 133, 1-12.	2.3	61
3	Lightweight hybrid organic-inorganic geopolymers obtained using polyurethane waste. Construction and Building Materials, 2018, 185, 285-292.	3.2	48
4	Nanocrystalline TiO2 by solâ€“gel: Characterisation and photocatalytic activity on Modica and Comiso stones. Applied Surface Science, 2013, 282, 165-173.	3.1	37
5	Synthesis and characterization of nanocrystalline TiO2 with application as photoactive coating on stones. Environmental Science and Pollution Research, 2014, 21, 13264-13277.	2.7	37
6	Three-Dimensional (3D) Printed Silver Nanoparticles/Alginate/Nanocrystalline Cellulose Hydrogels: Study of the Antimicrobial and Cytotoxicity Efficacy. Nanomaterials, 2020, 10, 844.	1.9	34
7	The Nature of the Pigments in Corals and Pearls: A Contribution from Raman Spectroscopy. Spectroscopy Letters, 2011, 44, 453-458.	0.5	31
8	Ag-functionalized nanocrystalline cellulose for paper preservation and strengthening. Carbohydrate Polymers, 2020, 231, 115773.	5.1	29
9	Nanocrystalline TiO2 coatings by solâ€“gel: photocatalytic activity on Pietra di Noto biocalcarenite. Journal of Sol-Gel Science and Technology, 2015, 75, 141-151.	1.1	28
10	Micro-Raman investigation of pigments and carbonate phases in corals and molluscan shells. European Journal of Mineralogy, 2014, 25, 845-853.	0.4	25
11	Weathering resistance of PMMA/SiO2/ZrO2 hybrid coatings for sandstone conservation. Polymer Degradation and Stability, 2018, 147, 274-283.	2.7	24
12	Photocatalytic self-cleaning TiO2 coatings on carbonatic stones. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	22
13	Characterization and photocatalytic activity of TiO2 by solâ€“gel in acid and basic environments. Journal of Sol-Gel Science and Technology, 2015, 73, 91-102.	1.1	20
14	Bio-inspired consolidants derived from crystalline nanocellulose for decayed wood. Carbohydrate Polymers, 2018, 202, 164-171.	5.1	15
15	Polyamidoamines (PAAs) functionalized with siloxanes as wood preservatives against fungi and insects. Holzforschung, 2017, 71, 65-75.	0.9	13
16	Raman and NMR kinetics study of the formation of amidoamines containing N-hydroxyethyl groups and investigations on their Cu(II) complexes in water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 515-524.	2.0	12
17	Efficiency assessment of hybrid coatings for natural building stones: Advanced and multi-scale laboratory investigation. Construction and Building Materials, 2018, 180, 412-424.	3.2	12
18	Photocatalytic N-doped TiO2 for self-cleaning of limestones. European Physical Journal Plus, 2019, 134, 1.	1.2	10

#	Article	IF	Citations
19	Chemicalâ€“physical characterization of ancient paper with functionalized polyamidoamines (PAAs). Cellulose, 2017, 24, 1057-1068.	2.4	9
20	Facile preparation of functionalized poly(amidoamine)s with biocidal activity on wood substrates. European Polymer Journal, 2019, 116, 232-241.	2.6	9
21	Super-adsorbent polyacrylate under swelling in water for passive solar control of building envelope. SN Applied Sciences, 2020, 2, 1.	1.5	9
22	Photodegradation of Pharmaceutical Pollutants: New Photocatalytic Systems Based on 3D Printed Scaffold-Supported Ag/TiO2 Nanocomposite. Catalysts, 2022, 12, 580.	1.6	6
23	Structural investigation ofN,Nâ€²-methylenebisacrylamideviaX-ray diffraction assisted by crystal structure prediction. Journal of Applied Crystallography, 2015, 48, 550-557.	1.9	5
24	Green Extraction of Cellulose Nanocrystals of Polymorph II from Cynara scolymus L.: Challenge for a â€œZero Wasteâ€•Economy. Crystals, 2022, 12, 672.	1.0	5
25	Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones. MethodsX, 2018, 5, 1095-1101.	0.7	4
26	Crystal structure, vibrational, electrical, optical and DFT study of C2H10N2(IO3)2.HIO3. Journal of Molecular Structure, 2020, 1215, 128254.	1.8	3
27	X-ray, optical, vibrational, electrical, and DFT study of the polymorphic structure of ethylenediammonium bis iodate Î±-C2H10N2(IO3)2 and Î²-C2H10N2(IO3)2. Structural Chemistry, 2019, 30, 1911-1928.	1.0	2
28	Measuring Weathering and Nanoparticle Coating Impact on Surface Roughness of Natural Stones. Studies in Conservation, 2019, 64, 298-309.	0.6	2
29	Toxic metal sequential sequestration in water using new amido-aminoacid ligand as a model for the interaction with polyamidoamines. Journal of Hazardous Materials, 2021, 410, 124585.	6.5	2
30	Fracture energy of sustainable geopolymer composites with and without the addition of slaughterhouse by-products as fibre-reinforcement: an experimental investigation. Procedia Structural Integrity, 2022, 39, 71-80.	0.3	2