Gabriela Graziani

List of Publications by Year
in descending order

43 papers	1,305 citations	304743 22 h-index	361022 35 g-index
43 all docs	43 docs citations	43 times ranked	1168 citing authors

#	Article	IF	Citations
1	A Review on Ionic Substitutions in Hydroxyapatite Thin Films: Towards Complete Biomimetism. Coatings, 2018, 8, 269.	2.6	92
2	Ion-substituted calcium phosphate coatings deposited by plasma-assisted techniques: A review. Materials Science and Engineering C, 2017, 74, 219-229.	7.3	84
3	Brushing, poultice or immersion? The role of the application technique on the performance of a novel hydroxyapatite-based consolidating treatment for limestone. Journal of Cultural Heritage, 2015, 16, 173-184.	3.3	82
4	An innovative phosphate-based consolidant for limestone. Part 1: Effectiveness and compatibility in comparison with ethyl silicate. Construction and Building Materials, 2016, 102, 918-930.	7.2	82
5	Repair of sugaring marble by ammonium phosphate: Comparison with ethyl silicate and ammonium oxalate and pilot application to historic artifact. Materials and Design, 2015, 88, 1145-1157.	7.0	80
6	Hydroxyapatite coatings for marble protection: Optimization of calcite covering and acid resistance. Applied Surface Science, 2016, 368, 241-257.	6.1	71
7	Consolidation of porous carbonate stones by an innovative phosphate treatment: mechanical strengthening and physical-microstructural compatibility in comparison with TEOS-based treatments. Heritage Science, 2015, 3, .	2.3	57
8	TEOS-based treatments for stone consolidation: acceleration of hydrolysisâ€“condensation reactions by poulticing. Journal of Sol-Gel Science and Technology, 2015, 74, 398-405.	2.4	56
9	An innovative phosphate-based consolidant for limestone. Part 2: Durability in comparison with ethyl silicate. Construction and Building Materials, 2016, 102, 931-942.	7.2	52
10	Solvent-based ethyl silicate for stone consolidation: influence of the application technique on penetration depth, efficacy and pore occlusion. Materials and Structures/Materiaux Et Constructions, 2015, 48, 3503-3515.	3.1	46
11	Compatibility of photocatalytic TiO2-based finishing for renders in architectural restoration: A preliminary study. Building and Environment, 2014, 80, 125-135.	6.9	41
12	Resistance to simulated rain of hydroxyapatite- and calcium oxalate-based coatings for protection of marble against corrosion. Corrosion Science, 2017, 127, 168-174.	6.6	39
13	Compressive behaviour of brick masonry triplets in wet and dry conditions. Construction and Building Materials, 2015, 82, 45-52.	7.2	38
14	Calcium phosphate coatings for marble conservation: Influence of ethanol and isopropanol addition to the precipitation medium on the coating microstructure and performance. Corrosion Science, 2018, 136, 255-267.	6.6	38
15	Towards the assessment of the shear behaviour of masonry in on-site conditions: A study on dry and salt/water conditioned brick masonry triplets. Construction and Building Materials, 2014, 65, 405-416.	7.2	33
16	Rising moisture, salts and electrokinetic effects in ancient masonries: From laboratory testing to on-site monitoring. Journal of Cultural Heritage, 2014, 15, 112-120.	3.3	33
17	Fabrication and characterization of biomimetic hydroxyapatite thin films for bone implants by direct ablation of a biogenic source. Materials Science and Engineering C, 2019, 99, 853-862.	7.3	32
18	Penetration depth and redistribution of an aqueous ammonium phosphate solution used for porous limestone consolidation by brushing and immersion. Construction and Building Materials, 2017, 148, 571-578.	7.2	29

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19	Conversion of calcium sulfate dihydrate into calcium phosphates as a route for conservation of gypsum stuccoes and sulfated marble. Construction and Building Materials, 2018, 170, 290-301.	7.2	29
20	Nanodecoration of electrospun polymeric fibers with nanostructured silver coatings by ionized jet deposition for antibacterial tissues. Materials Science and Engineering C, 2020, 113, 110998.	7.3	28
21	Thermal behavior of Carrara marble after consolidation by ammonium phosphate, ammonium oxalate and ethyl silicate. Materials and Design, 2017, 120, 345-353.	7.0	27
22	Pulsed Electron Deposition of nanostructured bioactive glass coatings for biomedical applications. Ceramics International, 2017, 43, 15862-15867.	4.8	26
23	Nanostructured Ag thin films deposited by pulsed electron ablation. Applied Surface Science, 2019, 475, 917-925.	6.1	21
24	Ionized jet deposition of antimicrobial and stem cell friendly silver-substituted tricalcium phosphate nanocoatings on titanium alloy. Bioactive Materials, 2021, 6, 2629-2642.	15.6	21
25	Plasma-assisted deposition of bone apatite-like thin films from natural apatite. Materials Letters, 2017, 199, 32-36.	2.6	18
26	3D Printing and Bioprinting to Model Bone Cancer: The Role of Materials and Nanoscale Cues in Directing Cell Behavior. Cancers, 2021, 13, 4065.	3.7	18
27	Mechanical Properties of Fired-Clay Brick Masonry Models in Moist and Dry Conditions. Key Engineering Materials, 0, 624, 307-312.	0.4	14
28	New method for controllable accelerated aging of marble: Use for testing of consolidants. Journal of the American Ceramic Society, 2018, 101, 4146-4157.	3.8	13
29	A new prefabricated external thermal insulation composite board with ceramic finishing for buildings retrofitting. Materials and Structures/Materiaux Et Constructions, 2016, 49, 1527-1542.	3.1	12
30	Neutron radiography as a tool for assessing penetration depth and distribution of a phosphate consolidant for limestone. Construction and Building Materials, 2018, 187, 238-247.	7.2	11
31	A Comprehensive Microstructural and Compositional Characterization of Allogenic and Xenogenic Bone: Application to Bone Grafts and Nanostructured Biomimetic Coatings. Coatings, 2020, 10, 522.	2.6	11
32	Nanostructure and biomimetics orchestrate mesenchymal stromal cell differentiation: An in vitro bioactivity study on new coatings for orthopedic applications. Materials Science and Engineering C, 2021, 123, 112031.	7.3	11
33	Foot Orthosis and Sensorized House Slipper by 3D Printing. Materials, 2022, 15, 4064.	2.9	11
34	Phosphate treatments for stone conservation: 3-year field study in the Royal Palace of Versailles (France). Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	3.1	10
35	Some Recent Findings On Marble Conservation By Aqueous Solutions Of Diammonium Hydrogen Phosphate. MRS Advances, 2017, 2, 2021-2026.	0.9	8
36	Unravelling the Effect of Citrate on the Features and Biocompatibility of Magnesium Phosphate-Based Bone Cements. ACS Biomaterials Science and Engineering, 2020, 6, 5538-5548.	5.2	7

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37	Phosphate-based treatments for consolidation of salt-bearing Globigerina limestone. IOP Conference Series: Materials Science and Engineering, 2018, 364, 012082.	0.6	6
38	Experimental study on the salt weathering resistance of fired clay bricks consolidated by ethyl silicate. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2525-2533.	3.1	5
39	Perfused Platforms to Mimic Bone Microenvironment at the Macro/Milli/Microscale: Pros and Cons. Frontiers in Cell and Developmental Biology, 2021, 9, 760667.	3.7	4
40	New insights on protective treatments for marble by FIB-SEM. IOP Conference Series: Materials Science and Engineering, 2018, 364, 012092.	0.6	3
41	FT-IR Spectral Signature of Sensitive and Multidrug-Resistant Osteosarcoma Cell-Derived Extracellular Nanovesicles. Cells, 2022, 11, 778.	4.1	3
42	Citrate Supplementation Restores the Impaired Mineralisation Resulting from the Acidic Microenvironment: An In Vitro Study. Nutrients, 2020, 12, 3779.	4.1	2
43	A Nanomechanical Investigation of Engineered Bone Tissue Comparing Elastoplastic and Viscoelastoplastic Modeling. Advances in Materials Science and Engineering, 2017, 2017, 1-8.	1.8	1