

Bartolomeo Megna

List of Publications by Year in descending order

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38
papers

818
citations

623574

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39
all docs

39
docs citations

39
times ranked

1271
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of Al doping on the photocatalytic activity of nanostructured ZnO: The role of adsorbed water. <i>Applied Surface Science</i> , 2018, 445, 376-382.	3.1	81
2	Absolute crystallinity and photocatalytic activity of brookite TiO ₂ samples. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 150-158.	10.8	80
3	Structure-property relationship of PLA-Opuntia Ficus Indica biocomposites. <i>Composites Part B: Engineering</i> , 2019, 167, 199-206.	5.9	60
4	Determination of the crystallinity of TiO ₂ photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 312-320.	2.0	53
5	Photocatalytic oxidation of trans-ferulic acid to vanillin on TiO ₂ and WO ₃ -loaded TiO ₂ catalysts. <i>Catalysis Today</i> , 2015, 252, 195-200.	2.2	48
6	Photocatalytic conversion of glucose in aqueous suspensions of heteropolyacid@TiO ₂ composites. <i>RSC Advances</i> , 2015, 5, 59037-59047.	1.7	46
7	SrTiO ₃ -based perovskites: Preparation, characterization and photocatalytic activity in gas-solid regime under simulated solar irradiation. <i>Journal of Catalysis</i> , 2015, 321, 13-22.	3.1	41
8	Rapid One-Step Fabrication of Graphene Oxide-Decorated Polycaprolactone Three-Dimensional Templates for Water Treatment. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4993-5005.	2.0	37
9	Alkali activated materials using pumice from the Aeolian Islands (Sicily, Italy) and their potentiality for cultural heritage applications: Preliminary study. <i>Construction and Building Materials</i> , 2020, 259, 120391.	3.2	36
10	Selective oxidation of phenol and benzoic acid in water via home-prepared TiO ₂ photocatalysts: Distribution of hydroxylation products. <i>Applied Catalysis A: General</i> , 2012, 441-442, 79-89.	2.2	35
11	Triorganotin(IV) derivatives of 7-amino-2-(methylthio)[1,2,4]triazolo[1,5-a]pyrimidine-6-carboxylic acid. Synthesis, spectroscopic characterization, in vitro antimicrobial activity and X-ray crystallography. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 546-551.	0.8	29
12	Catalytic Dehydration of Fructose to 5-Hydroxymethylfurfural in Aqueous Medium over Nb ₂ O ₅ -Based Catalysts. <i>Nanomaterials</i> , 2021, 11, 1821.	1.9	19
13	Tunable radical scavenging activity of carbon nanotubes through sonication. <i>Carbon</i> , 2016, 107, 240-247.	5.4	18
14	Electronic Properties of Thermal Oxides on Ti and Their Influence on Impedance and Photoelectrochemical Behavior of TiO ₂ Nanotubes. <i>Journal of the Electrochemical Society</i> , 2017, 164, C113-C120.	1.3	16
15	Measure of a Limestone Weathering Degree Using Laser Scanner. <i>International Journal of Architectural Heritage</i> , 2013, 7, 591-607.	1.7	15
16	Characterization of mortars from ancient and traditional water supply systems in Sicily. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 323-330.	2.0	14
17	Improved Cu ₂ O/AZO Heterojunction by Inserting a Thin ZnO Interlayer Grown by Pulsed Laser Deposition. <i>Journal of Electronic Materials</i> , 2019, 48, 4381-4388.	1.0	14
18	Semiconducting properties of passive films and corrosion layers on weathering steel. <i>Electrochimica Acta</i> , 2020, 354, 136697.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Thymus vulgaris Essential Oil and Hydro-Alcoholic Solutions to Counteract Wooden Artwork Microbial Colonization. Applied Sciences (Switzerland), 2021, 11, 8704.	1.3	13
20	Anodic Electro Deposition of CeO ₂ and Co-Doped CeO ₂ Thin Films. Journal of the Electrochemical Society, 2013, 160, D212-D217.	1.3	12
21	Electrodeposition of CeO ₂ and Co-Doped CeO ₂ Nanotubes by Cyclic Anodization in Porous Alumina Membranes. ECS Electrochemistry Letters, 2013, 2, D29-D32.	1.9	12
22	Heterogeneous crystallization of zinc hydroxystannate on galvanized steel for enhancing the bond strength at the rebar/concrete interface. Chemical Engineering Journal, 2021, 405, 126943.	6.6	12
23	Analysis of the chemical and microstructural modifications effects on the hydro-mechanical behaviour of a lime-treated clay. International Journal of Geotechnical Engineering, 2021, 15, 447-460.	1.1	12
24	The open metastable structure of a collapsible sand: fabric and bonding. Bulletin of Engineering Geology and the Environment, 2016, 75, 125-139.	1.6	11
25	Collapsibility of metastable sand by non-conventional oedometer tests. Granular Matter, 2019, 21, 1.	1.1	11
26	Durability of Biodegradable Polymers for the Conservation of Cultural Heritage. Frontiers in Materials, 2019, 6, .	1.2	10
27	Comparison of thermal expansion of wood and epoxy adhesives. European Journal of Wood and Wood Products, 2002, 60, 285-290.	1.3	9
28	Characterization of hydraulic mortars by means of simultaneous thermal analysis. Journal of Thermal Analysis and Calorimetry, 2008, 92, 173-178.	2.0	9
29	Improvement of oxidation resistance of polymer-based nanocomposites through sonication of carbonaceous nanoparticles. Ultrasonics Sonochemistry, 2020, 61, 104807.	3.8	8
30	One-Step Electrodeposition of Superhydrophobic Coating on 316L Stainless Steel. Metals, 2021, 11, 1867.	1.0	8
31	Improved (Photo)catalytic Propene Hydration in a Gas/Solid System by Using Heteropolyacid/Oxide Composites: Electron Paramagnetic Resonance, Acidity, and Role of Water. European Journal of Inorganic Chemistry, 2017, 2017, 1900-1907.	1.0	7
32	Collapsible intact soil stabilisation using non-aqueous polymeric vehicle. Engineering Geology, 2020, 264, 105334.	2.9	7
33	Effectiveness of Preservative Treatments on Coloured Ruditic Building Stones. Strain, 2009, 45, 424-432.	1.4	6
34	Restoration of a XVII Century's predella reliquary: From Physico-Chemical Characterization to the Conservation Process. Forests, 2021, 12, 345.	0.9	6
35	Mechanical and Thermal Properties of Insulating Sustainable Mortars with Ampelodesmos mauritanicus and Pennisetum setaceum Plants as Aggregates. Applied Sciences (Switzerland), 2021, 11, 5910.	1.3	4
36	Physical and Mechanical Properties of Sustainable Hydraulic Mortar Based on Marble Slurry with Waste Glass. Recycling, 2021, 6, 37.	2.3	2

#	ARTICLE	IF	CITATIONS
37	Effect of the Si doping on the properties of AZO/SiC/Si heterojunctions grown by low temperature pulsed laser deposition. <i>Semiconductor Science and Technology</i> , 2021, 36, 015001.	1.0	2
38	<i>Weathering.</i> , 2006, , 329-341.		1