

Valeria Di Tullio

List of Publications by Year in descending order

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32
papers

560
citations

687363

13
h-index

642732

23
g-index

32
all docs

32
docs citations

32
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear Magnetic Resonance to characterize and monitor Cultural Heritage. Progress in Nuclear Magnetic Resonance Spectroscopy, 2012, 64, 29-69.	7.5	115
2	Portable NMR in food analysis. Chemical and Biological Technologies in Agriculture, 2017, 4, .	4.6	47
3	Non-destructive mapping of dampness and salts in degraded wall paintings in hypogeous buildings: the case of St. Clement at mass fresco in St. Clement Basilica, Rome. Analytical and Bioanalytical Chemistry, 2010, 396, 1885-1896.	3.7	41
4	Unilateral NMR, ¹³ C CPMAS NMR spectroscopy and micro-analytical techniques for studying the materials and state of conservation of an ancient Egyptian wooden sarcophagus. Analytical and Bioanalytical Chemistry, 2011, 399, 3117-3131.	3.7	36
5	¹ H- ¹ H NMR 2D-TOCSY, ATR FT-IR and SEM-EDX for the identification of organic residues on Sicilian prehistoric pottery. Microchemical Journal, 2017, 135, 140-147.	4.5	36
6	Applications of Nuclear Magnetic Resonance Sensors to Cultural Heritage. Sensors, 2014, 14, 6977-6997.	3.8	30
7	NMR depth profiles as a non-invasive analytical tool to probe the penetration depth of hydrophobic treatments and inhomogeneities in treated porous stones. Analytical and Bioanalytical Chemistry, 2011, 400, 3151-3164.	3.7	27
8	A multi-analytical approach for the study of copper stain removal by agar gels. Microchemical Journal, 2016, 129, 249-258.	4.5	25
9	Advanced NMR methodologies and micro-analytical techniques to investigate the stratigraphy and materials of 14th century Siennese wooden paintings. Microchemical Journal, 2016, 125, 208-218.	4.5	17
10	A study of non-bounded/bounded water and water mobility in different agar gels. Microchemical Journal, 2018, 139, 306-314.	4.5	17
11	Non-invasive NMR stratigraphy of a multi-layered artefact: an ancient detached mural painting. Analytical and Bioanalytical Chemistry, 2013, 405, 8669-8675.	3.7	14
12	Unilateral NMR investigation of multifunctional treatments on stones based on colloidal inorganic and organic nanoparticles. Magnetic Resonance in Chemistry, 2015, 53, 64-77.	1.9	14
13	Water Diffusion and Transport in Oil Paints as Studied by Unilateral NMR and ¹ H High-Resolution MAS-NMR Spectroscopy. ChemPhysChem, 2020, 21, 113-119.	2.1	13
14	¹³ C solid-state NMR complemented by ATR-FTIR and micro-DSC to study modern collagen-based material and historical leather. Magnetic Resonance in Chemistry, 2020, 58, 840-859.	1.9	13
15	A new preparation of doped photocatalytic TiO ₂ anatase nanoparticles: a preliminary study for the removal of pollutants in confined museum areas. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
16	Nuclear Magnetic Resonance, a Powerful Tool in Cultural Heritage. Magnetochemistry, 2018, 4, 11.	2.4	10
17	Review of the use of NMR spectroscopy to investigate structure, reactivity, and dynamics of lead soap formation in paintings. Magnetic Resonance in Chemistry, 2020, 58, 798-811.	1.9	10
18	¹ H NMR depth profiles combined with portable and micro-analytical techniques for evaluating cleaning methods and identifying original, non-original, and degraded materials of a 16th century Italian wall painting. Microchemical Journal, 2018, 141, 40-50.	4.5	9

#	ARTICLE	IF	CITATIONS
19	Moisture Damage in Ancient Masonry: A Multidisciplinary Approach for In Situ Diagnostics. Minerals (Basel, Switzerland), 2021, 11, 406.	2.0	9
20	Unilateral NMR: a Noninvasive Tool for Monitoring In Situ the Effectiveness of Intervention to Reduce the Capillary Rise of Water in an Ancient Deteriorated Wall Painting. International Journal of Spectroscopy, 2012, 2012, 1-10.	1.6	8
21	A multi-analytical study of ancient Nubian detached mural paintings. Microchemical Journal, 2016, 124, 719-725.	4.5	8
22	New Insights to Characterize Paint Varnishes and to Study Water in Paintings by Nuclear Magnetic Resonance Spectroscopy (NMR). Magnetochemistry, 2020, 6, 21.	2.4	8
23	Unilateral NMR to study water diffusion and absorption in stone-hydrogel systems. Microporous and Mesoporous Materials, 2018, 269, 180-185.	4.4	7
24	Commercial Bio-Packaging to Preserve the Quality and Extend the Shelf-Life of Vegetables: The Case-Study of Pumpkin Samples Studied by a Multimethodological Approach. Foods, 2021, 10, 2440.	4.3	7
25	Nuclear magnetic resonance in contemporary art: the case of "Moon Surface" by Turcato. Applied Physics A: Materials Science and Processing, 2013, 113, 1009-1017.	2.3	6
26	¹³ C Solid State Nuclear Magnetic Resonance and μ -Raman Spectroscopic Characterization of Sicilian Amber. Applied Spectroscopy, 2016, 70, 1346-1355.	2.2	6
27	NMR spectroscopy and micro-analytical techniques for studying the constitutive materials and the state of conservation of an ancient Tapa barkcloth from Polynesia, is. Wallis. Journal of Cultural Heritage, 2020, 45, 379-388.	3.3	6
28	Nuclear Magnetic Resonance to investigate inorganic porous materials of interest in the cultural heritage field. European Journal of Mineralogy, 2015, 27, 297-310.	1.3	5
29	Nano- to microscale three-dimensional morphology relevant to transport properties in reactive porous composite paint films. Scientific Reports, 2020, 10, 18320.	3.3	5
30	Applications of NMR spectroscopy in cultural heritage science. , 2022, , .		0
31	Donatella Capitani. Magnetic Resonance in Chemistry, 2020, 58, 785-791.	1.9	0
32	Magnetic Resonance in Cultural Heritage. Magnetic Resonance in Chemistry, 2020, 58, 783-784.	1.9	0