

Valentina Venuti

List of Publications by Year in descending order

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171
papers

3,487
citations

147726

31
h-index

206029

48
g-index

172
all docs

172
docs citations

172
times ranked

3674
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of the existence of the low-density liquid phase in supercooled, confined water. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 424-428.	3.3	273
2	Do plastics serve as a possible vector for the spread of antibiotic resistance? First insights from bacteria associated to a polystyrene piece from King George Island (Antarctica). International Journal of Hygiene and Environmental Health, 2019, 222, 89-100.	2.1	135
3	A characterization study of resveratrol/sulfobutyl ether- β -cyclodextrin inclusion complex and in vitro anticancer activity. Colloids and Surfaces B: Biointerfaces, 2014, 115, 22-28.	2.5	107
4	UV-vis and FTIR-ATR spectroscopic techniques to study the inclusion complexes of genistein with β -cyclodextrins. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 110-117.	1.4	101
5	Role of the solvent in the dynamical transitions of proteins: The case of the lysozyme-water system. Journal of Chemical Physics, 2007, 127, 045104.	1.2	96
6	Neutron Scattering Study and Dynamic Properties of Hydrogen-Bonded Liquids in Mesoscopic Confinement. 1. The Water Case. Journal of Physical Chemistry B, 2002, 106, 10884-10894.	1.2	74
7	Episodic records of jellyfish ingestion of plastic items reveal a novel pathway for trophic transference of marine litter. Scientific Reports, 2018, 8, 6105.	1.6	68
8	A new insight on the hydrogen bonding structures of nanoconfined water: a Raman study. Journal of Raman Spectroscopy, 2008, 39, 244-249.	1.2	59
9	Diffusive Relaxations and Vibrational Properties of Water and H-bonded Systems in Confined State by Neutrons and Light Scattering: A State of the Art. Journal of Physical Chemistry A, 2000, 104, 11000-11012.	1.1	55
10	TiO ₂ -SiO ₂ -PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO ₂ . Construction and Building Materials, 2018, 166, 464-471.	3.2	54
11	T dependence of vibrational dynamics of water in ion-exchanged zeolites A: A detailed Fourier transform infrared attenuated total reflection study. Journal of Chemical Physics, 2005, 123, 154702.	1.2	53
12	Vibrational dynamics and hydrogen bond properties of β -CD nanosponges: an FTIR-ATR, Raman and solid-state NMR spectroscopic study. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 247-254.	1.6	53
13	Physicochemical Characterization and Antioxidant Activity Evaluation of Idebenone/Hydroxypropyl- β -Cyclodextrin Inclusion Complex. Biomolecules, 2019, 9, 531.	1.8	51
14	Effect of Cross-Linking Properties on the Vibrational Dynamics of Cyclodextrins-Based Polymers: An Experimental-Numerical Study. Journal of Physical Chemistry B, 2012, 116, 7952-7958.	1.2	50
15	Tuning structural parameters for the optimization of drug delivery performance of cyclodextrin-based nanosponges. Expert Opinion on Drug Delivery, 2017, 14, 331-340.	2.4	46
16	Dynamical response of liquid water in confined geometry by laser and neutron spectroscopies Presented at the LANMAT 2001 Conference on the Interaction of Laser Radiation with matter at Nanoscopic Scales: From Single Molecule Spectroscopy to Materials Processing, Venice, 3 rd October, 2001. Physical Chemistry Chemical Physics, 2002, 4, 2768-2773.	1.3	45
17	Neutron Scattering Study and Dynamic Properties of Hydrogen-Bonded Liquids in Mesoscopic Confinement. 2. The Zeolitic Water Case. Journal of Physical Chemistry B, 2004, 108, 4314-4323.	1.2	43
18	Physicochemical characterization of coumestrol/ β -cyclodextrins inclusion complexes by UV-vis and FTIR-ATR spectroscopies. Vibrational Spectroscopy, 2008, 48, 172-178.	1.2	43

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19	Structure and dynamics of water confined in a nanoporous sol-gel silica glass: a neutron scattering study. <i>Molecular Physics</i> , 2003, 101, 3323-3333.	0.8	41
20	Physico-chemical characterization of an amphiphilic cyclodextrin/genistein complex. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 1064-1068.	1.4	39
21	Modelling the interplay between covalent and physical interactions in cyclodextrin-based hydrogel: effect of water confinement. <i>Soft Matter</i> , 2013, 9, 6457.	1.2	39
22	FT-IR absorbance spectroscopy to study Sicilian "protopottery". <i>Vibrational Spectroscopy</i> , 2008, 48, 269-275.	1.2	36
23	Connection between the vibrational dynamics and the crosslinking properties in cyclodextrin-based polymers. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1457-1462.	1.2	36
24	Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). <i>Applied Surface Science</i> , 2015, 349, 924-930.	3.1	36
25	Aggregation Phenomena in Aqueous Solutions of Uncharged Star Polymers with a Porphyrin Core. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5095-5100.	1.2	35
26	UV-vis and FTIR-ATR characterization of 9-fluorenon-2-carboxyester/(2-hydroxypropyl)- β -cyclodextrin inclusion complex. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 704-709.	1.4	35
27	Phase solubility and FTIR-ATR studies of idebenone/sulfobutyl ether β -cyclodextrin inclusion complex. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 75, 255-262.	1.6	35
28	Temperature Effect on the Vibrational Dynamics of Cyclodextrin Inclusion Complexes: Investigation by FTIR-ATR Spectroscopy and Numerical Simulation. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6811-6817.	1.1	34
29	Raman spectroscopy: Probing dynamics of water molecules confined in nanoporous silica glasses. <i>European Physical Journal: Special Topics</i> , 2007, 141, 61-64.	1.2	33
30	Inside New Materials: An Experimental Numerical Approach for the Structural Elucidation of Nanoporous Cross-Linked Polymers. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13133-13140.	1.2	33
31	Dynamic evidence of chemical and physical traps in H-bonded confined liquids. <i>Journal of Chemical Physics</i> , 1998, 109, 7394-7404.	1.2	32
32	Vibrational properties of water molecules adsorbed in different zeolitic frameworks. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 3563-3580.	0.7	32
33	Combined non-destructive XRF and SR-XAS study of archaeological artefacts. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3147-3153.	1.9	32
34	Potentiality of non-destructive XRF analysis for the determination of Corinthian B amphorae provenance. <i>X-Ray Spectrometry</i> , 2011, 40, 333-337.	0.9	29
35	Direct evidence of gel-sol transition in cyclodextrin-based hydrogels as revealed by FTIR-ATR spectroscopy. <i>Soft Matter</i> , 2014, 10, 2320-2326.	1.2	29
36	Diffusional and vibrational dynamics of water in NaA zeolites by neutron and Fourier transform infrared spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S5297-S5316.	0.7	28

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37	Vibrational spectroscopy investigation of swelling phenomena in cyclodextrin nanosponges. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1463-1469.	1.2	28
38	Synthesis and characterization of a hyper-branched water-soluble β -cyclodextrin polymer. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2586-2593.	1.3	28
39	Anharmonic Effects and Vibrational Dynamics in H-Bonded Liquids by Attenuated Total Reflectance FT-IR Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3933-3939.	1.1	27
40	A portable versus micro-Raman equipment comparison for gemmological purposes: the case of sapphires and their imitations. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1309-1317.	1.2	27
41	Vibrational Density of States and Elastic Properties of Cross-Linked Polymers: Combining Inelastic Light and Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2014, 118, 624-633.	1.2	27
42	Water and polymer dynamics in a model polysaccharide hydrogel: the role of hydrophobic/hydrophilic balance. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 963-971.	1.3	27
43	Handheld XRF and Raman equipment for the in situ investigation of Roman finds in the Villa dei Quintili (Rome, Italy). <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 117-129.	1.6	26
44	Cross-linked cellulose nano-sponges: a small angle neutron scattering (SANS) study. <i>Cellulose</i> , 2019, 26, 9005-9019.	2.4	26
45	Inelastic Neutron Scattering Study of Water in Hydrated LTA-Type Zeolites. <i>Journal of Physical Chemistry A</i> , 2006, 110, 1190-1195.	1.1	25
46	Water Diffusion in Nanoporous Glass: An NMR Study at Different Hydration Levels. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3927-3930.	1.2	25
47	The effect of hydrogen bond on the vibrational dynamics of genistein free and complexed with β -cyclodextrins. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 764-770.	1.2	24
48	Spectroscopic investigation of Greek ceramic artefacts. <i>Journal of Molecular Structure</i> , 2003, 651-653, 449-458.	1.8	23
49	A multi-technique approach for the determination of the porous structure of building stone. <i>European Journal of Mineralogy</i> , 2014, 26, 189-198.	0.4	23
50	Hydrogen-bond dynamics of water confined in cyclodextrin nanosponges hydrogel. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 69-75.	0.9	23
51	2D Correlation Spectroscopy (2DCoS) Analysis of Temperature-Dependent FTIR-ATR Spectra in Branched Polyethyleneimine/TEMPO-Oxidized Cellulose Nano-Fiber Xerogels. <i>Polymers</i> , 2021, 13, 528.	2.0	23
52	New insights into the structure and function of the prokaryotic communities colonizing plastic debris collected in King George Island (Antarctica): Preliminary observations from two plastic fragments. <i>Journal of Hazardous Materials</i> , 2021, 414, 125586.	6.5	23
53	Confinement influence in liquid water studied by Raman and neutron scattering. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 3625-3630.	0.7	22
54	Dynamical properties of liquids in restricted geometries. <i>Journal of Molecular Liquids</i> , 2005, 117, 165-171.	2.3	22

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55	Characterization of ancient amphorae by spectroscopic techniques. <i>Vibrational Spectroscopy</i> , 2006, 42, 381-386.	1.2	22
56	Nanospheres based on PLGA/amphiphilic cyclodextrin assemblies as potential enhancers of Methylene Blue neuroprotective effect. <i>RSC Advances</i> , 2016, 6, 16720-16729.	1.7	21
57	FTIR-ATR analysis of the H-bond network of water in branched polyethyleneimine/TEMPO-oxidized cellulose nano-fiber xerogels. <i>Cellulose</i> , 2020, 27, 8605-8618.	2.4	21
58	Rutin-Loaded Solid Lipid Nanoparticles: Characterization and In Vitro Evaluation. <i>Molecules</i> , 2021, 26, 1039.	1.7	21
59	FTIR/ATR study of water encapsulated in Na-A and Mg-exchanged A-zeolites. <i>Vibrational Spectroscopy</i> , 2006, 42, 375-380.	1.2	20
60	Vibrational and diffusional dynamics of water in Mg50-A zeolites by spectroscopic investigation. <i>Molecular Physics</i> , 2004, 102, 1943-1957.	0.8	19
61	Characterization of blue decorated Renaissance pottery fragments from Caltagirone (Sicily, Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 91-96.	1.1	19
62	Iron speciation in ancient Attic pottery pigments: a non-destructive SR-XAS investigation. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 782-788.	1.0	19
63	Spectroscopic investigation of Roman decorated plasters by combining FT-IR, micro-Raman and UV-Raman analyses. <i>Vibrational Spectroscopy</i> , 2016, 83, 78-84.	1.2	19
64	Host-guest interactions in Captisol®/Coumestrol inclusion complex: UV-vis, FTIR-ATR and Raman studies. <i>Journal of Molecular Structure</i> , 2017, 1146, 512-521.	1.8	19
65	Toward an understanding of the thermosensitive behaviour of pH-responsive hydrogels based on cyclodextrins. <i>Soft Matter</i> , 2015, 11, 5862-5871.	1.2	18
66	Inter- and intramolecular hydrogen bond in liquid polymers: a Fourier transform infrared response. <i>Molecular Physics</i> , 2000, 98, 1589-1594.	0.8	17
67	FT-IR spectroscopic analysis to study the firing processes of prehistoric ceramics. <i>Journal of Molecular Structure</i> , 2011, 993, 147-150.	1.8	17
68	Thermal fluctuations in chemically cross-linked polymers of cyclodextrins. <i>Soft Matter</i> , 2015, 11, 2183-2192.	1.2	17
69	Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei Quintili (Rome, Italy): Preliminary Study. <i>Geosciences (Switzerland)</i> , 2019, 9, 172.	1.0	17
70	FT-IR spectroscopy study on cutaneous neoplasie. <i>Journal of Molecular Structure</i> , 2001, 563-564, 115-118.	1.8	16
71	FT-IR spectroscopy: a powerful tool in pharmacology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 1149-1152.	1.4	16
72	Combining Raman and infrared spectroscopy as a powerful tool for the structural elucidation of cyclodextrin-based polymeric hydrogels. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10274-10282.	1.3	16

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73	Gel-sol evolution of cyclodextrin-based nanosponges: role of the macrocycle size. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 77-83.	0.9	15
74	SANS investigation of water adsorption in tunable cyclodextrin-based polymeric hydrogels. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6022-6029.	1.3	15
75	Raman Spectroscopy as Noninvasive Method of Diagnosis of Pediatric Onset Inflammatory Bowel Disease. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6974.	1.3	15
76	Low-frequency dynamical response of confined water in normal and supercooled regions obtained by IINS. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s555-s556.	1.1	14
77	A FT-IR absorption analysis of vibrational properties of water encaged in NaA zeolites: evidence of a ?structure maker? role of zeolitic surface. <i>European Physical Journal E</i> , 2003, 12, 55-58.	0.7	14
78	Improvement of water solubility of non-competitive AMPA receptor antagonists by complexation with β -cyclodextrin. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8706-8712.	1.4	14
79	Study of Late Roman and Byzantine glass by the combined use of analytical techniques. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1554-1561.	1.5	14
80	Isoflavone aglycons-sulfobutyl ether- β -cyclodextrin inclusion complexes: in solution and solid state studies. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 27-36.	0.9	14
81	In situ diagnostic analysis of the XVIII century Madonna della Lettera panel painting (Messina, Italy). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117822.	2.0	14
82	Small angle neutron scattering as fingerprinting of ancient potteries from Sicily (Southern Italy). <i>Journal of Applied Physics</i> , 2009, 106, 054904.	1.1	13
83	Nondestructive analyses of carbonate rocks: applications and potentiality for museum materials. <i>X-Ray Spectrometry</i> , 2013, 42, 8-15.	0.9	13
84	Probing the molecular connectivity of water confined in polymer hydrogels. <i>Journal of Chemical Physics</i> , 2015, 142, 014901.	1.2	13
85	Evaluation of the Radiological and Chemical Risk for Public Health from Flour Sample Investigation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3646.	1.3	13
86	Mobility of water in Linde type A synthetic zeolites: an inelastic neutron scattering study. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7925-7934.	0.7	12
87	T-dependence of the vibrational dynamics of IBP/diME- β -CD in solid state: A FT-IR spectral and quantum chemical study. <i>Journal of Molecular Structure</i> , 2010, 972, 75-80.	1.8	12
88	A Phase Solubility Study on the Chiral Discrimination of Ibuprofen by β -Cyclodextrin Complexes. <i>Food Biophysics</i> , 2011, 6, 267-273.	1.4	12
89	Effect of the chiral discrimination on the vibrational properties of (<i>R</i>)-, (<i>S</i>)- and (<i>R,S</i>)-ibuprofen/methyl- β -cyclodextrin inclusion complexes. <i>Philosophical Magazine</i> , 2011, 91, 1776-1785.	0.7	12
90	Mobile Spectroscopy in Archaeometry: Some Case Study. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-11.	0.6	12

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91	Diffusional and vibrational properties of water confined in very thin nanoporous glasses probed by light and neutron scattering. <i>European Physical Journal Special Topics</i> , 2000, 10, Pr7-211-Pr7-214.	0.2	12
92	Diffusive dynamics of water in ion-exchanged zeolites. <i>Molecular Physics</i> , 2006, 104, 587-598.	0.8	11
93	The hydrogen-bond network in propylene-glycol studied by Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2006, 790, 141-146.	1.8	11
94	Multi-technique characterization of ancient findings from Gela (Sicily, Italy). <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 977.	1.6	11
95	Guest-matrix interactions affect the solvation of cyclodextrin-based polymeric hydrogels: a UV Raman scattering study. <i>Soft Matter</i> , 2016, 12, 8861-8868.	1.2	11
96	Physicochemical properties of inclusion complexes of highly soluble β -cyclodextrins with highly hydrophobic testosterone propionate. <i>International Journal of Pharmaceutics</i> , 2017, 534, 316-324.	2.6	11
97	A combined SR-based Raman and InfraRed investigation of pigmenting matter used in wall paintings: The San Gennaro and San Gaudioso Catacombs (Naples, Italy) case. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	11
98	Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy). <i>Journal of Archaeological Science: Reports</i> , 2018, 21, 422-432.	0.2	11
99	Chitosan-Hyaluronan Nanoparticles for Vinblastine Sulfate Delivery: Characterization and Internalization Studies on K-562 Cells. <i>Pharmaceutics</i> , 2022, 14, 942.	2.0	11
100	Decorated pottery study: Analysis of pigments by x-ray absorbance spectroscopy measurements. <i>Journal of Applied Physics</i> , 2007, 101, 064909.	1.1	10
101	Influence of the Guest-Interactions on the Mobility of Genistein/ β -Cyclodextrin Inclusion Complex. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11032-11038.	1.2	10
102	Comparison between TOF-ND and XRD quantitative phase analysis of ancient potteries. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1060.	1.6	10
103	Small angle neutron scattering as fingerprinting of ancient potteries from Sicily (Southern Italy). <i>Applied Clay Science</i> , 2011, 54, 40-40.	2.6	10
104	Vibrational signatures of the water behaviour upon confinement in nanoporous hydrogels. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12252-12259.	1.3	10
105	RBS, PIXE, Ion-Microbeam and SR-FTIR Analyses of Pottery Fragments from Azerbaijan. <i>Heritage</i> , 2019, 2, 1852-1873.	0.9	10
106	Radioactivity, Metals Pollution and Mineralogy Assessment of a Beach Stretch from the Ionian Coast of Calabria (Southern Italy). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12147.	1.2	10
107	The puzzle of liquid water diffusive behaviour: recent IQENS results. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 304, 59-64.	1.2	9
108	Characterization of pottery fragments by nondestructive neutron diffraction. <i>Journal of Applied Physics</i> , 2005, 98, 103520.	1.1	9

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109	Elastic neutron scattering study of water dynamics in ion-exchanged type-Azeolites. <i>Physical Review E</i> , 2005, 72, 061504.	0.8	9
110	Non-destructive identification of green and yellow pigments: the case of some Sicilian Renaissance glazed pottery. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 845-853.	1.1	9
111	Characterisation of archaeological pottery: The case of "Eollian Cups". <i>Journal of Molecular Structure</i> , 2011, 993, 142-146.	1.8	9
112	Neutron radiography for the characterization of porous structure in degraded building stones. <i>Journal of Instrumentation</i> , 2014, 9, C05024-C05024.	0.5	9
113	Aggregation effects in aqueous solutions of Star-polymers by spectroscopic investigations. <i>Journal of Molecular Structure</i> , 2003, 651-653, 675-681.	1.8	8
114	Spectroscopic analyses of Hellenistic painted plasters from 2nd century B.C., Sicily (South Italy). <i>Journal of Cultural Heritage</i> , 2012, 13, 229-233.	1.5	8
115	Temperature-Dependent Dynamical Evolution in Coum/SBE- β -CD Inclusion Complexes Revealed by Two-Dimensional FTIR Correlation Spectroscopy (2D-COS). <i>Molecules</i> , 2021, 26, 3749.	1.7	8
116	Neutron diffraction study of the structure of water confined in a sol-gel silica glass. <i>Physica B: Condensed Matter</i> , 2004, 350, E599-E601.	1.3	7
117	A non-invasive analysis of "proto-majolica" pottery from southern Italy by TOF neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104254.	0.7	7
118	Handheld and non-destructive methodologies for the compositional investigation of meteorite fragments. <i>Analytical Methods</i> , 2014, 6, 6301-6309.	1.3	7
119	Pore Structure and Water Transfer in Pietra di Aspra Limestone: A Neutronographic Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6745.	1.3	7
120	Evaluating the protecting effects of two consolidants applied on Pietra di Lecce limestone: A neutronographic study. <i>Journal of Cultural Heritage</i> , 2020, 46, 31-41.	1.5	7
121	Confinement effects of polymers in porous glasses. <i>Journal of Molecular Structure</i> , 1998, 448, 255-260.	1.8	6
122	Spectroscopic evidence of aggregation processes in porphyrin-based star-polymers in aqueous solutions. <i>Molecular Physics</i> , 2003, 101, 1517-1526.	0.8	6
123	Diffusive relaxation processes and low-frequency dynamical properties in bulk and confined ethylene glycol by neutron spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 118, 5971-5978.	1.2	6
124	Neutrons as a probe of large volume specimens: the case of archaeological pottery findings. <i>Journal of Archaeological Science</i> , 2007, 34, 1148-1152.	1.2	6
125	Small angle neutron scattering study of ancient pottery from Syracuse (Sicily, Southern Italy). <i>Journal of Archaeological Science</i> , 2013, 40, 983-991.	1.2	6
126	Cyclodextrin-Complexation Effects on the Low-Frequency Vibrational Dynamics of Ibuprofen by Combined Inelastic Light and Neutron Scattering Experiments. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3917-3926.	1.2	6

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127	A multi-technique approach for the characterization of decorative stones and non-destructive method for the discrimination of similar rocks. <i>X-Ray Spectrometry</i> , 2014, 43, 83-92.	0.9	6
128	Solute-Solvent Interactions in Aqueous Solutions of Sulfobutyl Ether- β -cyclodextrin As Probed by UV-Raman and FTIR-ATR Analysis. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3746-3753.	1.2	6
129	SANS investigation of the salt-crystallization- and surface-treatment-induced degradation on limestones of historic-artistic interest. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	6
130	Multi-Technique Diagnostic Analysis of Plasters and Mortars from the Church of the Annunciation (Tortorici, Sicily). <i>Materials</i> , 2022, 15, 958.	1.3	6
131	Influence of Chirality on Vibrational and Relaxational Properties of (<i>S</i>)- and (<i>R</i>)-Ibuprofen/methyl- β -cyclodextrin Inclusion Complexes: An INS and QENS Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11466-11472.	1.2	5
132	Analysis of the thermal fluctuations in inclusion complexes of genistein with β -cyclodextrin derivatives. <i>Chemical Physics</i> , 2019, 516, 125-131.	0.9	5
133	Multitechnique diagnostic analysis and 3D surveying prior to the restoration of St. Michael defeating Evil painting by Mattia Preti. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	5
134	New insights to assess the consolidation of stone materials used in built heritage: the case study of ancient graffiti (Tituli Picti) in the archaeological site of Pompeii. <i>Heritage Science</i> , 2020, 8, .	1.0	5
135	Hydrogen bond interaction in bulk and confined liquid polymers studied by FT-IR and Raman spectroscopy. <i>Journal of Molecular Structure</i> , 1999, 482-483, 509-513.	1.8	4
136	Effect of H-bond active sites on transport properties of poly(ethylene oxide) dissolved in its monomers: Shear viscosity and diffusion coefficient studies. <i>Journal of Chemical Physics</i> , 2000, 112, 5205-5211.	1.2	4
137	Recent results on biomedical problems: A Fourier transform infrared (FT-IR) study. <i>Spectroscopy</i> , 2002, 16, 245-250.	0.8	4
138	Diffusional and vibrational dynamics of confined ethylene glycol and homologous systems: a light and neutron scattering investigation. <i>Journal of Molecular Structure</i> , 2002, 615, 83-88.	1.8	4
139	FT-IR spectroscopy for the detection of liver damage. <i>Spectroscopy</i> , 2004, 18, 67-73.	0.8	4
140	Tituli Picti in the archaeological site of Pompeii: diagnostic analysis and conservation strategies. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	4
141	A combined 3D surveying, XRF and Raman in situ investigation on The Conversion of St Paul painting (Mdina, Malta) by Mattia Preti. <i>Acta IMEKO (2012)</i> , 2021, 10, 173.	0.4	4
142	Dynamical properties in dense triblock copolymer micellar system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 183-185, 133-147.	2.3	3
143	Incoherent quasi-elastic neutron scattering (IQENS) by ethylene glycol in confined space. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 304, 249-252.	1.2	3
144	Vibrational dynamics of ethylene glycol in mesoscopic confinement by incoherent inelastic neutron scattering (IINS) investigation. <i>Journal of Molecular Structure</i> , 2003, 651-653, 199-203.	1.8	3

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145	Structural changes of tissue samples exposed to low frequency electromagnetic field: A FT-IR absorbance study. <i>Spectroscopy</i> , 2004, 18, 513-518.	0.8	3
146	Iqens study of the influence of confinement on diffusional dynamics of propylene glycol. <i>Journal of Molecular Structure</i> , 2005, 744-747, 797-800.	1.8	3
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