

Donatella Capitani

List of Publications by Year in descending order

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183
papers

5,773
citations

57752

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185
all docs

185
docs citations

185
times ranked

7009
citing authors

#	ARTICLE	IF	CITATIONS
1	A multitechnique approach to assess the effect of ball milling on cellulose. <i>Carbohydrate Polymers</i> , 2012, 87, 265-273.	10.2	173
2	Novel Nafion® zirconium phosphate nanocomposite membranes with enhanced stability of proton conductivity at medium temperature and high relative humidity. <i>Electrochimica Acta</i> , 2007, 52, 8125-8132.	5.2	164
3	Diffusion-Ordered NMR Spectroscopy: A Versatile Tool for the Molecular Weight Determination of Uncharged Polysaccharides. <i>Biomacromolecules</i> , 2003, 4, 1843-1847.	5.4	158
4	Nuclear Magnetic Resonance to characterize and monitor Cultural Heritage. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2012, 64, 29-69.	7.5	115
5	NMR and statistical study of olive oils from Lazio: A geographical, ecological and agronomic characterization. <i>Food Chemistry</i> , 2007, 105, 1256-1267.	8.2	95
6	NMR and chemometrics in tracing European olive oils: The case study of Ligurian samples. <i>Talanta</i> , 2010, 80, 2141-2148.	5.5	95
7	Ionic Polysaccharide Hydrogels via the Passerini and Ugi Multicomponent Condensations: Synthesis, Behavior and Solid-State NMR Characterization. <i>Biomacromolecules</i> , 2000, 1, 259-267.	5.4	93
8	NMR metabolic profiling of organic and aqueous sea bass extracts: Implications in the discrimination of wild and cultured sea bass. <i>Talanta</i> , 2008, 77, 433-444.	5.5	90
9	Use of NMR applications to tackle future food fraud issues. <i>Trends in Food Science and Technology</i> , 2019, 91, 347-353.	15.1	81
10	Synthesis and Partial Characterization of Hydrogels Obtained via Glutaraldehyde Crosslinking of Acetylated Chitosan and of Hyaluronan Derivatives. <i>Biomacromolecules</i> , 2003, 4, 1045-1054.	5.4	78
11	Water in Hydrogels. An NMR Study of Water/Polymer Interactions in Weakly Cross-Linked Chitosan Networks. <i>Macromolecules</i> , 2001, 34, 4136-4144.	4.8	75
12	¹ H NMR-Based Protocol for the Detection of Adulterations of Refined Olive Oil with Refined Hazelnut Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11550-11556.	5.2	74
13	Atom Transfer Radical Polymerization of Potassium 3-Sulfopropyl Methacrylate: Direct Synthesis of Amphiphilic Block Copolymers with Methyl Methacrylate. <i>Macromolecules</i> , 2004, 37, 4464-4473.	4.8	73
14	Peach Fruit: Metabolic Comparative Analysis of Two Varieties with Different Resistances to Insect Attacks by NMR Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1718-1726.	5.2	71
15	Versatile Grafting of Polysaccharides in Homogeneous Mild Conditions by Using Atom Transfer Radical Polymerization. <i>Biomacromolecules</i> , 2006, 7, 2154-2161.	5.4	69
16	Nafion® Zirconium Phosphate Nanocomposite Membranes with High Filler Loadings: Conductivity and Mechanical Properties. <i>Fuel Cells</i> , 2008, 8, 217-224.	2.4	65
17	Synthesis and ¹³ C CP-MAS NMR Characterization of a New Chitosan-Based Polymeric Network. <i>Macromolecules</i> , 1998, 31, 1595-1601.	4.8	63
18	High field NMR analysis of the degree of substitution in carboxymethyl cellulose sodium salt. <i>Carbohydrate Polymers</i> , 2000, 42, 283-286.	10.2	63

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19	Probing the degree of crosslinking of a cellulose based superabsorbing hydrogel through traditional and NMR techniques. <i>Polymer</i> , 2003, 44, 1577-1588.	3.8	63
20	Hyaluronan as Carrier of Carboranes for Tumor Targeting in Boron Neutron Capture Therapy. <i>Biomacromolecules</i> , 2007, 8, 552-559.	5.4	61
21	Physical-chemical characterisation of acrylic polymers grafted on cellulose. <i>Polymer</i> , 2002, 43, 6183-6194.	3.8	60
22	Noninvasive and nondestructive NMR, Raman and XRF analysis of a Blaeu coloured map from the seventeenth century. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 433-441.	3.7	60
23	Advances in the Chemistry of Nanosized Zirconium Phosphates: A New Mild and Quick Route to the Synthesis of Nanocrystals. <i>Inorganic Chemistry</i> , 2011, 50, 11623-11630.	4.0	60
24	Self-assembled gellan-based nanohydrogels as a tool for prednisolone delivery. <i>Soft Matter</i> , 2012, 8, 11557.	2.7	60
25	Monitoring of metabolic profiling and water status of Hayward kiwifruits by nuclear magnetic resonance. <i>Talanta</i> , 2010, 82, 1826-1838.	5.5	59
26	NMR Metabolic Profiling of Transgenic Maize with the Cry1A(b) Gene. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6041-6049.	5.2	58
27	Truffles decontamination treatment by ionizing radiation. <i>Radiation Physics and Chemistry</i> , 2004, 71, 167-170.	2.8	57
28	Monitoring degradation in paper: non-invasive analysis by unilateral NMR. Part II. <i>Journal of Magnetic Resonance</i> , 2004, 170, 113-120.	2.1	55
29	The use of IRMS, ¹ H NMR and chemical analysis to characterise Italian and imported Tunisian olive oils. <i>Food Chemistry</i> , 2016, 196, 98-105.	8.2	55
30	Preparation and characterization of carbonaceous matter rich in diamond-like carbon and carbyne moieties. <i>Materials Chemistry and Physics</i> , 1999, 59, 225-231.	4.0	53
31	Saffron Samples of Different Origin: An NMR Study of Microwave-Assisted Extracts. <i>Foods</i> , 2014, 3, 403-419.	4.3	52
32	Untargeted NMR-Based Methodology in the Study of Fruit Metabolites. <i>Molecules</i> , 2015, 20, 4088-4108.	3.8	50
33	Synthesis and association properties of thermoresponsive and permanently cationic charged block copolymers. <i>Polymer</i> , 2009, 50, 467-474.	3.8	49
34	Lecithin microemulsion gels: an NMR study. <i>Langmuir</i> , 1993, 9, 685-689.	3.5	48
35	¹³ C Solid-State NMR Determination of Cross-Linking Degree in Superabsorbing Cellulose-Based Networks. <i>Macromolecules</i> , 2000, 33, 430-437.	4.8	48
36	On The Micro-Phase Separation in Waterborne Polyurethanes. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 879-889.	2.2	48

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37	NMR study of a novel chitosan-based hydrogel. <i>Carbohydrate Polymers</i> , 2001, 45, 245-252.	10.2	47
38	C(6)-Oxidation Followed by C(5)-Epimerization of Guar Gum Studied by High Field NMR. <i>Biomacromolecules</i> , 2004, 5, 537-546.	5.4	47
39	Grafting polymerization on cellulose based textiles: A ¹³ C solid state NMR characterization. <i>European Polymer Journal</i> , 2005, 41, 1196-1203.	5.4	47
40	Analysis of a coloured Dutch map from the eighteenth century: The need for a multi-analytical spectroscopic approach using portable instrumentation. <i>Analytica Chimica Acta</i> , 2008, 623, 187-194.	5.4	47
41	Portable NMR in food analysis. <i>Chemical and Biological Technologies in Agriculture</i> , 2017, 4, .	4.6	47
42	In Situ Investigation of Leaf Water Status by Portable Unilateral Nuclear Magnetic Resonance ¹³ C. <i>Plant Physiology</i> , 2009, 149, 1638-1647.	4.8	46
43	NMR methodologies in the analysis of blueberries. <i>Electrophoresis</i> , 2014, 35, 1615-1626.	2.4	46
44	Polymorphism in syndiotactic polystyrene: a proton NMR relaxation study. <i>Macromolecules</i> , 1992, 25, 3874-3880.	4.8	45
45	In Situ and Frontal Polymerization for the Consolidation of Porous Stones: A Unilateral NMR and Magnetic Resonance Imaging Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23719-23728.	2.6	44
46	Lecithin microemulsion gels: A NMR study of molecular mobility based on line widths. <i>Langmuir</i> , 1991, 7, 250-253.	3.5	42
47	Hyaluronan networking via Ugi's condensation using lysine as cross-linker diamine. <i>Carbohydrate Polymers</i> , 2003, 53, 311-316.	10.2	42
48	Fresco paintings studied by unilateral NMR. <i>Journal of Magnetic Resonance</i> , 2005, 177, 111-117.	2.1	42
49	Gamma irradiation of food packaging materials: an NMR study. <i>Polymer</i> , 2000, 41, 2871-2881.	3.8	41
50	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. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1885-1896.	3.7	41
51	Organically Modified Zirconium Phosphate by Reaction with 1,2-Epoxydodecane as Host Material for Polymer Intercalation: Synthesis and Physicochemical Characterization. <i>Inorganic Chemistry</i> , 2010, 49, 3329-3336.	4.0	41
52	High Yield Precipitation of Crystalline α -Zirconium Phosphate from Oxalic Acid Solutions. <i>Inorganic Chemistry</i> , 2010, 49, 9409-9415.	4.0	41
53	Applications of NMR metabolomics to the study of foodstuffs: Truffle, kiwifruit, lettuce, and sea bass. <i>Electrophoresis</i> , 2012, 33, 2290-2313.	2.4	41
54	Italian standardization of the Apples Cancellation Test. <i>Neurological Sciences</i> , 2015, 36, 1233-1240.	1.9	41

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55	Xylem morphology determines the drought response of two <i>Arundo donax</i> ecotypes from contrasting habitats. <i>GCB Bioenergy</i> , 2017, 9, 119-131.	5.6	41
56	Unilateral NMR study of a XVI century wall painted. <i>Journal of Magnetic Resonance</i> , 2007, 186, 311-318.	2.1	40
57	Novel thermosensitive calcium alginate microspheres: Physico-chemical characterization and delivery properties. <i>Acta Biomaterialia</i> , 2010, 6, 3657-3664.	8.3	40
58	Assessment of the weathering effects on cellulose based materials through a multianalytical approach. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1401-1410.	1.4	40
59	NMR Study of Water-Filled Pores in One of the Most Widely Used Polymeric Material: The Paper. <i>Macromolecules</i> , 2002, 35, 5536-5543.	4.8	39
60	Metabolite characterization of powdered fruits and leaves from <i>Adansonia digitata</i> L. (baobab): A multi-methodological approach. <i>Food Chemistry</i> , 2019, 272, 93-108.	8.2	39
61	Solid-State ¹³ C Nuclear Magnetic Resonance Spectra of Four Crystalline Forms of Isotactic Poly(4-methyl-1-pentene). <i>Macromolecules</i> , 1997, 30, 8322-8331.	4.8	38
62	Synthesis and characterization of poly(methylmethacrylate)/silica nanocomposites: Study of the interphase by solid-state NMR and structure/properties relationships. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5618-5629.	2.3	38
63	A multi-methodological approach in the study of Italian PDO "Cornetto di Pontecorvo" red sweet pepper. <i>Food Chemistry</i> , 2018, 255, 120-131.	8.2	38
64	<i>Cannabis sativa</i> L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. <i>Molecules</i> , 2020, 25, 1908.	3.8	38
65	Preparation, Proton Conductivity and Mechanical Properties of Nafion 117 Zirconium Phosphate Sulphophenylphosphonate Composite Membranes. <i>Fuel Cells</i> , 2009, 9, 381-386.	2.4	37
66	NMR study of paper. <i>Carbohydrate Polymers</i> , 1995, 26, 289-297.	10.2	36
67	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. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3117-3131.	3.7	36
68	¹ H- ¹ H NMR 2D-TOCSY, ATR FT-IR and SEM-EDX for the identification of organic residues on Sicilian prehistoric pottery. <i>Microchemical Journal</i> , 2017, 135, 140-147.	4.5	36
69	NMR characterization of the polysaccharidic fraction from <i>Lentinula edodes</i> grown on olive mill waste waters. <i>Carbohydrate Research</i> , 2004, 339, 1129-1134.	2.3	34
70	Novel Types of Carborane Carrier Hyaluronan Derivatives via "Click Chemistry". <i>Macromolecular Bioscience</i> , 2008, 8, 670-681.	4.1	34
71	Influence of dialkyne structure on the properties of new click-gels based on hyaluronic acid. <i>International Journal of Pharmaceutics</i> , 2009, 378, 86-92.	5.2	34
72	Italian normative data for a stroke specific cognitive screening tool: the Oxford Cognitive Screen (OCS). <i>Neurological Sciences</i> , 2016, 37, 1713-1721.	1.9	34

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73	Electron Paramagnetic Resonance, Scanning Electron Microscopy with Energy Dispersion X-ray Spectrometry, X-ray Powder Diffraction, and NMR Characterization of Iron-Rich Fired Clays. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22147-22158.	2.6	32
74	Enantiomers separation by nano-liquid chromatography: Use of a novel sub-2 $\frac{1}{4}$ μ m vancomycin silica hydride stationary phase. <i>Journal of Chromatography A</i> , 2015, 1381, 149-159.	3.7	32
75	An integrated study for mapping the moisture distribution in an ancient damaged wall painting. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2245-2253.	3.7	31
76	Design and evaluation of hydrolytically stable bidentate urea-type stationary phases for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2012, 1232, 196-211.	3.7	31
77	NMR spectroscopy applied to the Cultural Heritage: a preliminary study on ancient wood characterisation. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 357-361.	2.3	30
78	Novel alginate- α -acrylic polymers as a platform for drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 523-531.	4.0	30
79	Looking for New Hybrid Polymer Fillers: Synthesis of Nanosized β -Type Zr(IV) Organophosphonates through an Unconventional Topotactic Anion Exchange Reaction. <i>Inorganic Chemistry</i> , 2013, 52, 7680-7687.	4.0	30
80	Applications of Nuclear Magnetic Resonance Sensors to Cultural Heritage. <i>Sensors</i> , 2014, 14, 6977-6997.	3.8	30
81	Synthesis of polystyrene-grafted cellulose acetate copolymers via nitroxide-mediated polymerization. <i>Polymer Chemistry</i> , 2015, 6, 5244-5253.	3.9	30
82	NMR and calorimetric investigation of water in a superabsorbing crosslinked network based on cellulose derivatives. <i>Polymer</i> , 2003, 44, 6589-6598.	3.8	29
83	Metabolic Profiling and Outer Pericarp Water State in Zespri, Cl.GI, and Hayward Kiwifruits. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1727-1740.	5.2	29
84	Layered zirconium alkylphosphates: Suitable materials for novel PFSA composite membranes with improved proton conductivity and mechanical stability. <i>Journal of Membrane Science</i> , 2014, 462, 42-49.	8.2	29
85	Panel test and chemical analyses of commercial olive oils: a comparative study. <i>Chemical and Biological Technologies in Agriculture</i> , 2017, 4, .	4.6	29
86	A High Field NMR Study of the Products Ensuing from Konjak Glucomannan C(6)-Oxidation followed by Enzymatic C(5)-Epimerization. <i>Biomacromolecules</i> , 2002, 3, 1343-1352.	5.4	28
87	An NMR Study of Translational Diffusion and Structural Anisotropy in Magnetically Alignable Nonionic Surfactant Mesophases. <i>Langmuir</i> , 2005, 21, 3311-3321.	3.5	28
88	NMR-Metabolic Methodology in the Study of GM Foods. <i>Nutrients</i> , 2010, 2, 1-15.	4.1	28
89	NMR-based metabolomic approach to study urine samples of chronic inflammatory rheumatic disease patients. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1405-1413.	3.7	28
90	Molecular fingerprinting of food authenticity. <i>Current Opinion in Food Science</i> , 2017, 16, 59-66.	8.0	28

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91	NMR depth profiles as a non-invasive analytical tool to probe the penetration depth of hydrophobic treatments and inhomogeneities in treated porous stones. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3151-3164.	3.7	27
92	Tracing the origin of beer samples by NMR and chemometrics: Trappist beers as a case study. <i>Electrophoresis</i> , 2016, 37, 2710-2719.	2.4	27
93	Structural Changes of Humic Acids During Olive Mill Pomace Composting. <i>Compost Science and Utilization</i> , 2001, 9, 134-142.	1.2	25
94	A multi-analytical approach for the study of copper stain removal by agar gels. <i>Microchemical Journal</i> , 2016, 129, 249-258.	4.5	25
95	A proteometabolomic study of <i>Actinidia deliciosa</i> fruit development. <i>Journal of Proteomics</i> , 2018, 172, 11-24.	2.4	25
96	Layered Metal(IV) Phosphonates with Rigid Pendant Groups: New Synthetic Approaches to Nanosized Zirconium Phosphate Phenylphosphonates. <i>Inorganic Chemistry</i> , 2014, 53, 2222-2229.	4.0	24
97	Solid state ¹³ C NMR analysis of syndiotactic copolymers of propene with 1-butene. <i>Polymer</i> , 2000, 41, 2141-2148.	3.8	23
98	Structure of Copolymers of Syndiotactic Polypropylene with Ethylene. <i>Macromolecules</i> , 2003, 36, 1850-1864.	4.8	22
99	ATR-FTIR and NMR spectroscopic studies on the structure of polymeric gel electrolytes for biomedical applications. <i>Polymer</i> , 2005, 46, 4670-4675.	3.8	22
100	Effects of ionizing radiation and modified atmosphere packaging on the shelf life of aqua-cultured sea bass (<i>Dicentrarchus labrax</i>). <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2757-2765.	3.6	22
101	Evolution of physicochemical properties of pear during drying by conventional techniques, portable-NMR, and modelling. <i>Journal of Food Engineering</i> , 2018, 230, 82-98.	5.2	22
102	Pulsed proton NMR relaxation in crystalline syndiotactic polystyrene. <i>Macromolecules</i> , 1991, 24, 623-624.	4.8	21
103	Extra-Virgin Olive Oils from Nine Italian Regions: An ¹ H NMR-Chemometric Characterization. <i>Metabolites</i> , 2019, 9, 65.	2.9	21
104	NMR structural study of hydrogels based on partially deacetylated hyaluronan. <i>Macromolecular Bioscience</i> , 2002, 2, 272-279.	4.1	20
105	ELECTRON SPIN RESONANCE STUDY OF PAPER SAMPLES DATING FROM THE FIFTEENTH TO THE EIGHTEENTH CENTURY. <i>Archaeometry</i> , 1995, 37, 377-384.	1.3	19
106	Phase Diagram of the C12E6/D2O System Revisited: Effect of Strong Magnetic Fields. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6088-6095.	2.6	19
107	Structural Analysis of Copolymers of Syndiotactic Polypropylene with ¹³ C-Enriched Ethylene. <i>Macromolecules</i> , 2002, 35, 1314-1318.	4.8	19
108	Polyaspartamide-Doxorubicin Conjugate as Potential Prodrug for Anticancer Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 1557-1569.	3.5	19

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109	On the evolution of proton conductivity of Aquivion membranes loaded with CeO ₂ based nanofillers: Effect of temperature and relative humidity. <i>Journal of Membrane Science</i> , 2019, 574, 17-23.	8.2	19
110	Oxygen-Doped Polymers: An ¹ H NMR Spin-Lattice Relaxation Study. <i>Macromolecules</i> , 1995, 28, 1121-1128.	4.8	18
111	Physicochemical characterization of chemical hydrogels based on PVA. , 1999, 37, 1225-1233.		18
112	Anisotropic enhanced water diffusion in scleroglucan gel tablets. <i>Soft Matter</i> , 2011, 7, 6068.	2.7	18
113	Early detection of enzymatic attack on paper by NMR relaxometry, EPR spectroscopy and X-Ray powder spectra. <i>Nordic Pulp and Paper Research Journal</i> , 1998, 13, 95-100.	0.7	17
114	A Proton Nuclear Magnetic Resonance Relaxation Study of C12E6/D2O. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8782-8791.	2.6	17
115	Advanced NMR methodologies and micro-analytical techniques to investigate the stratigraphy and materials of 14th century Sieneese wooden paintings. <i>Microchemical Journal</i> , 2016, 125, 208-218.	4.5	17
116	Evaluation of commercial compost quality. <i>Waste Management and Research</i> , 2002, 20, 389-397.	3.9	16
117	Mechano-chemical activation: an ecological safety process in the production of materials to stone conservation. <i>Procedia Engineering</i> , 2011, 21, 1061-1071.	1.2	16
118	Aerobic metabolism of mixed carbon sources in sequencing batch reactor under pulse and continuous feeding. <i>Bioresource Technology</i> , 2013, 129, 118-126.	9.6	16
119	Synthesis and NMR Characterization of New Hyaluronan-Based NO Donors. <i>Biomacromolecules</i> , 2006, 7, 1253-1260.	5.4	15
120	Determination of the Chemical Structure of Poly- ¹² (-)-pinene by NMR Spectroscopy. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 839-849.	2.2	15
121	Capillary methacrylate-based monoliths by grafting from/to ¹³ C-ray polymerization on a tentacle-type reactive surface for the liquid chromatographic separations of small molecules and intact proteins. <i>Journal of Chromatography A</i> , 2017, 1498, 46-55.	3.7	15
122	Clinical application of prismatic lenses in the rehabilitation of neglect patients. A randomized controlled trial. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2012, 48, 197-208.	2.2	15
123	¹³ C radiolyzed amorphous silica: A study with ²⁹ Si CP-MAS NMR spectroscopy. <i>Radiation Physics and Chemistry</i> , 2008, 77, 267-272.	2.8	14
124	One-Step Synthesis of Low Molecular Weight Poly(p-phenyleneethynylene)s via Polyaddition of Aromatic Diynes by Catalysis of the [Ru(p-cymene)Cl ₂] ₂ /AcOH System. <i>Journal of Organic Chemistry</i> , 2008, 73, 3892-3899.	3.2	14
125	Non-invasive NMR stratigraphy of a multi-layered artefact: an ancient detached mural painting. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8669-8675.	3.7	14
126	Sonication-Based Improvement of the Physicochemical Properties of Guar Gum as a Potential Substrate for Modified Drug Delivery Systems. <i>BioMed Research International</i> , 2013, 2013, 1-11.	1.9	14

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127	Unilateral NMR investigation of multifunctional treatments on stones based on colloidal inorganic and organic nanoparticles. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 64-77.	1.9	14
128	Tritium nuclear magnetic resonance study of T ₂ , HT, and DT dissolved in nematic solvents. <i>Physical Review E</i> , 1997, 55, 496-503.	2.1	13
129	Polyvinylidene fluoride/zirconium phosphate sulfophenylphosphonate nanocomposite films: microstructure and mechanical properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 4291.	6.7	13
130	Role of catechin on collagen type I stability upon oxidation: a NMR approach. <i>Natural Product Research</i> , 2020, 34, 53-62.	1.8	13
131	Revealing the Fine Details of Functionalized Silica Surfaces by Solid-State NMR and Adsorption Isotherm Measurements: The Case of Fluorinated Stationary Phases for Liquid Chromatography. <i>Chemistry - A European Journal</i> , 2014, 20, 8138-8148.	3.3	12
132	Dynamic nuclear polarisation NMR of nanosized zirconium phosphate polymer fillers. <i>Chemical Communications</i> , 2014, 50, 10137-10139.	4.1	12
133	Formation of Supramolecular Clusters at the Interface of Zeolite X Following the Adsorption of Rare-Earth Cations and Their Impact on the Macroscopic Properties of the Zeolite. <i>ChemPhysChem</i> , 2018, 19, 2208-2217.	2.1	12
134	Unsaturated alkoxy-substituted poly(p-phenylene 1,3,4-oxadiazole)s: Synthesis and chemical-physical characterization. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3916-3928.	2.3	11
135	A solid state nuclear magnetic resonance study on the thermolytic synthesis of CdS nanoparticles in a polystyrene matrix. <i>Materials Letters</i> , 2006, 60, 2657-2661.	2.6	11
136	Memory Effects Across Surfactant Mesophases. <i>Langmuir</i> , 2007, 23, 3036-3048.	3.5	11
137	¹ H, ²⁹ Si, and ²⁷ Al MAS NMR as a Tool to Characterize Volcanic Tuffs and Assess Their Suitability for Industrial Applications. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9328-9343.	3.1	11
138	Comparison of GPR and unilateral NMR for water content measurements in a laboratory scale experiment. <i>Near Surface Geophysics</i> , 2013, 11, 143-153.	1.2	11
139	A Silica-Supported Catalyst Containing 9-Amino-9-deoxy- <i>epi</i> -quinine and a Benzoic Acid Derivative for Stereoselective Batch and Flow Heterogeneous Reactions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2020-2028.	2.4	11
140	Polymers and paper as packaging materials of irradiated food. <i>Radiation Physics and Chemistry</i> , 2000, 57, 385-388.	2.8	10
141	Phase transitions in aqueous triblock copolymers: NMR relaxation studies. <i>Colloid and Polymer Science</i> , 2003, 281, 1136-1141.	2.1	10
142	Bidentate urea-based chiral selectors for enantioselective high performance liquid chromatography: Synthesis and evaluation of "Crab-like" stationary phases. <i>Journal of Chromatography A</i> , 2013, 1297, 157-167.	3.7	10
143	Nuclear Magnetic Resonance, a Powerful Tool in Cultural Heritage. <i>Magnetochemistry</i> , 2018, 4, 11.	2.4	10
144	A Multi-Methodological Protocol to Characterize PDO Olive Oils. <i>Metabolites</i> , 2018, 8, 43.	2.9	10

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145	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. <i>Microchemical Journal</i> , 2018, 141, 40-50.	4.5	9
146	Solid State ¹³ C Nuclear Magnetic Resonance Spectrum of Syndiotactic Poly(4-methyl-1-pentene). <i>Macromolecules</i> , 1998, 31, 3163-3169.	4.8	8
147	A ²⁹ Si- ²⁷ Al magic-angle spinning NMR study of natural silica glass from the Libyan Desert (Egypt). <i>Journal of Non-Crystalline Solids</i> , 2001, 279, 88-92.	3.1	8
148	Efficacy of waterborne polyurethane to prevent the enzymatic attack on paper-based materials. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2030-2040.	2.6	8
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