Claudio Rossi

List of Publications by Year
in descending order

176 papers	3,171 citations	159585 30 h-index	233421 45 g-index
180 all docs	180 docs citations	180 times ranked	3937 citing authors

#	Article	IF	Citations
1	Metal complexes of the antiinflammatory drug piroxicam. Inorganic Chemistry, 1990, 29, 5197-5200.	4.0	152
2	The optical characterization of chromophoric dissolved organic matter using wavelength distribution of absorption spectral slopes. Limnology and Oceanography, 2009, 54, 590-597.	3.1	128
3	Antimicrobial activity against Helicobacter pylori strains and antioxidant properties of blackberry leaves (Rubus ulmifolius) and isolated compounds. International Journal of Antimicrobial Agents, 2009, 34, 50-59.	2.5	108
4	Using Liposomes as Carriers for Polyphenolic Compounds: The Case of Trans-Resveratrol. PLoS ONE, 2012, 7, e41438.	2.5	99
5	The effect of strong static magnetic field on lymphocytes. Bioelectromagnetics, 2003, 24, 109-117.	1.6	76
6	Protective effect of quercetin and rutin encapsulated liposomes on induced oxidative stress. Biophysical Chemistry, 2018, 233, 55-63.	2.8	75
7	Chemical characterization of liposomes containing nutraceutical compounds: Tyrosol, hydroxytyrosol and oleuropein. Biophysical Chemistry, 2019, 246, 25-34.	2.8	66
8	Polystyrene microplastics increase microbial release of marine Chromophoric Dissolved Organic Matter in microcosm experiments. Scientific Reports, 2018, 8, 14635.	3.3	58
9	Chemical and optical phototransformation of dissolved organic matter. Water Research, 2012, 46, 3197-3207.	11.3	54
10	Molecular Dynamics of Novel Î±-Cyclodextrin Adducts Studied by13C-NMR Relaxation. Journal of Physical Chemistry B, 1997, 101, 5094-5099.	2.6	52
11	Variability in factors causing light attenuation in Lake Victoria. Freshwater Biology, 2008, 53, 535-545.	2.4	49
12	Chemical Waves and Pattern Formation in the 1,2-Dipalmitoyl-sn-glycero-3-phosphocholine/Water Lamellar System. Journal of the American Chemical Society, 2004, 126, 11406-11407.	13.7	42
13	Evidences of Strong Câ^'HÂ·Â·Â·Â·O Bond in ano-Carboranyl Î²-Lactoside in Solution. Journal of the American Chemical Society, 2002, 124, 8778-8779.	13.7	41
14	Characterization of nutraceutical components in tomato pulp, skin and locular gel. European Food Research and Technology, 2019, 245, 907-918.	3.3	41
15	Proton-carbon NOE difference spectroscopy studies of carbon microenvironments, internuclear distances, and hydrogen bonding in rifamycin S. Journal of the American Chemical Society, 1984, 106, 5732-5733.	13.7	40
16	Enriched Gellan Gum hydrogel as visco-supplement. Carbohydrate Polymers, 2020, 227, 115347.	10.2	40
17	Thixotropic PVA hydrogel enclosing a hydrophilic PVP core as nucleus pulposus substitute. Materials Science and Engineering C, 2019, 98, 696-704.	7.3	38
18	The stereochemistry and dynamics of natural products and biopolymers from proton relaxation spectroscopy: spin-label delineation of inner and outer protons of gramicidin S including hydrogen bonds. Journal of the American Chemical Society, 1982, 104, 1534-1537.	13.7	37

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19	Variability in photobleaching yields and their related impacts on optical conditions in subtropical lakes. Journal of Photochemistry and Photobiology B: Biology, 2009, 95, 129-137.	3.8	37
20	Assessing the optical changes in dissolved organic matter in humic lakes by spectral slope distributions. Journal of Photochemistry and Photobiology B: Biology, 2011, 102, 132-139.	3.8	37
21	A PVA/PVP hydrogel for human lens substitution: Synthesis, rheological characterization, and in vitro biocompatibility. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 97B, 278-288.	3.4	36
22	Interaction of Quercetin and Its Conjugate Quercetin 3-O-Î²-<scp>d</scp>-Glucopyranoside with Albumin as Determined by NMR Relaxation Data. Journal of Natural Products, 2008, 71, 175-178.	3.0	35
23	1H-13C selective NOE studies of the decapeptide gramicidin S. Biochemical and Biophysical Research Communications, 1984, 124, 739-744.	2.1	34
24	Solution structure of hyaluronic acid oligomers by experimental and theoretical NMR, and molecular dynamics simulation. Biopolymers, 2001, 59, 434-445.	2.4	34
25	The effect of exposure to high flux density static and pulsed magnetic fields on lymphocyte function. Bioelectromagnetics, 2003, 24, 373-379.	1.6	34
26	The Spatial Distribution of Optical Properties in the Ultraviolet and Visible in an Aquatic EcosystemÂ¶. Photochemistry and Photobiology, 2004, 80, 139.	2.5	34
27	Estimate of the effects of ultraviolet radiation on the mortality of Artemia franciscana in naupliar and adult stages. International Journal of Biometeorology, 2005, 49, 388-395.	3.0	33
28	Characterization of Persistent Intramolecular C-Hâ‹…â‹…â‹…X(N,O) Bonds in Solid State and Solution. Chemistry - A European Journal, 2004, 10, 3177-3183.	3.3	32
29	Comparative Analysis of the Effects of Locally Used Herbicides and Their Active Ingredients on a Wild-Type WineSaccharomyces cerevisiaeStrain. Journal of Agricultural and Food Chemistry, 2006, 54, 3163-3172.	5.2	32
30	Effect of resveratrol on platelet aggregation by fibrinogen protection. Biophysical Chemistry, 2017, 222, 41-48.	2.8	32
31	Increasing photostability and water-solubility of carotenoids: Synthesis and characterization of Î²-caroteneâ€“humic acid complexes. Journal of Photochemistry and Photobiology B: Biology, 2010, 101, 355-361.	3.8	31
32	Characterization of archaeological mortars from Herculaneum. Thermochimica Acta, 2016, 624, 86-94.	2.7	31
33	New perspective in cell communication: Potential role of ultra-weak photon emission. Journal of Photochemistry and Photobiology B: Biology, 2014, 139, 47-53.	3.8	30
34	Effect of the preparation procedure on the structural properties of oligonucleotide/cationic liposome complexes (lipoplexes) studied by electron spin resonance and Zeta potential. Biophysical Chemistry, 2007, 131, 80-87.	2.8	29
35	Sensitivity analysis of CDOM spectral slope in artificial and natural samples: an application in the central eastern Mediterranean Basin. Aquatic Sciences, 2010, 72, 485-498.	1.5	29
36	Spatial and seasonal changes in optical properties of autochthonous and allochthonous chromophoric dissolved organic matter in a stratified mountain lake. Photochemical and Photobiological Sciences, 2010, 9, 304-314.	2.9	29

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37	Formulation of liposomes functionalized with Lotus lectin and effective in targeting highly proliferative cells. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 860-870.	2.4	29
38	Drugâ€“protein recognition processes investigated by NMR relaxation data. Biochemical Pharmacology, 2006, 71, 858-864.	4.4	28
39	Effect of Quercetin-loaded liposomes on induced oxidative stress in human spermatozoa. Reproductive Toxicology, 2016, 60, 140-147.	2.9	28
40	Nuclear relaxation studies in ligand-macromolecule affinity index determinations. Chemical Physics Letters, 1997, 264, 205-209.	2.6	27
41	Spatial and temporal variations of the inherent and apparent optical properties in a shallow coastal lake. Journal of Photochemistry and Photobiology B: Biology, 2005, 80, 161-177.	3.8	27
42	Study of bradykinin conformation in the presence of model membrane by Nuclear Magnetic Resonance and molecular modelling. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 708-716.	2.6	27
43	New formulations to enhance lovastatin release from red yeast rice (RYR). Journal of Drug Delivery Science and Technology, 2016, 36, 110-119.	3.0	27
44	Inhibition effects of ethanol on the kinetics of glucose metabolism by S. cerevisiae: NMR and modelling study. Chemical Physics Letters, 2004, 387, 377-382.	2.6	26
45	Microtesla NMR J-coupling spectroscopy with an unshielded atomic magnetometer. Journal of Magnetic Resonance, 2016, 263, 65-70.	2.1	26
46	Examining the dynamics of phytoplankton biomass in Lake Tanganyika using Empirical Orthogonal Functions. Ecological Modelling, 2007, 204, 156-162.	2.5	25
47	Chemical characterization and antioxidant properties of products and byâ€products from Olea europaea L.. Food Science and Nutrition, 2019, 7, 2907-2920.	3.4	25
48	Perceived benefits of littoral wetlands in Uganda: a focus on the Nabugabo wetlands. Wetlands Ecology and Management, 2007, 15, 529-535.	1.5	24
49	Development of liposomal formulations to potentiate natural lovastatin inhibitory activity towards 3-hydroxy-3-methyl-glutaryl coenzyme A (HMG-CoA) reductase. Journal of Drug Delivery Science and Technology, 2018, 43, 107-112.	3.0	23
50	Prediction of quality parameters in straw wine by means of FT-IR spectroscopy combined with multivariate data processing. Food Chemistry, 2020, 305, 125512.	8.2	23
51	Modelling energy fluxes in remote wetland ecosystems with the help of remote sensing. Ecological Modelling, 2001, 145, 243-261.	2.5	22
52	Boronphenylalanine insertion in cationic liposomes for Boron Neutron Capture Therapy. Biophysical Chemistry, 2004, 111, 27-34.	2.8	22
53	In vivo13C-NMR and modelling study of metabolic yield response to ethanol stress in a wild-type strain ofSaccharomyces cerevisiae. FEBS Letters, 2004, 564, 63-68.	2.8	22
54	Water-Protein Interactions: The Secret of Protein Dynamics. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	22

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55	The role of wetlands in the chromophoric dissolved organic matter release and its relation to aquatic ecosystems optical properties. A case of study: Katonga and Bunjako Bays (Victoria Lake;) Tj ETQq1 1 0.784314 rgBT /Overlock	4.3	21
56	Oxygen Radical Scavenger Activity, EPR, NMR, Molecular Mechanics and Extended-HÃ¼ckel Molecular Orbital Investigation of the Bis(Piroxicam)Copper(II) Complex. Metal-Based Drugs, 1995, 2, 43-56.	3.8	20
57	Stacking interaction study of transâ€resveratrol (transâ€3,5,4â€²â€trihydroxystilbene) in solution by Nuclear Magnetic Resonance and Fourier Transform Infrared Spectroscopy. Magnetic Resonance in Chemistry, 2008, 46, 625-629.	1.9	20
58	Increased Susceptibility to Resveratrol of Helicobacter pylori Strains Isolated from Patients with Gastric Carcinoma. Journal of Natural Products, 2011, 74, 2257-2260.	3.0	20
59	Alginateâ€“gelatin formulation to modify lovastatin release profile from red yeast rice for hypercholesterolemia therapy. Therapeutic Delivery, 2017, 8, 843-854.	2.2	20
60	The bio-optical properties of CDOM as descriptor of lake stratification. Journal of Photochemistry and Photobiology B: Biology, 2006, 85, 145-149.	3.8	19
61	The Analysis of the Seasonal, Spatial, and Compositional Distribution of Humic Substances in a Subtropical Shallow Lake. Clean - Soil, Air, Water, 2003, 31, 461-468.	0.6	18
62	Poly-vinyl alcohol (PVA) crosslinked by trisodium trimetaphosphate (STMP) and sodium hexametaphosphate (SHMP): Effect of molecular weight, pH and phosphorylating agent on length of spacing arms, crosslinking density and water interaction. Journal of Molecular Structure, 2020, 1202, 127264.	3.6	18
63	Tomatine Displays Antitumor Potential in In Vitro Models of Metastatic Melanoma. International Journal of Molecular Sciences, 2020, 21, 5243.	4.1	18
64	An investigation of the mechanisms of nitroxide-induced proton relaxation enhancements in biopolymers. The Journal of Physical Chemistry, 1984, 88, 5689-5692.	2.9	17
65	Confirmation of the solution structure of tyrocidine a using perturbation of proton relaxation rates by nitroxide spin labels. Journal of the Chemical Society Perkin Transactions II, 1985, , 581.	0.9	17
66	Nuclear magnetic resonance as a tool for the identification of specific DNAâ€”ligand interaction. Chemical Physics Letters, 1992, 189, 278-280.	2.6	17
67	Hybrid PVA-xanthan gum hydrogels as nucleus pulposus substitutes. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 681-690.	3.4	16
68	DNA-ligand interaction detected by proton selective and non-selective spin-lattice relaxation rate analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 115, 89-95.	4.7	15
69	Metabolic response to exogenous ethanol in yeast: An in vivo NMR and mathematical modelling approach. Biophysical Chemistry, 2006, 120, 135-142.	2.8	15
70	Interaction between Vine Pesticides and Bovine Serum Albumin Studied by Nuclear Spin Relaxation Data. Journal of Agricultural and Food Chemistry, 2010, 58, 10705-10709.	5.2	15
71	Interaction study of indigo carmine with albumin and dextran by NMR relaxation. Journal of Materials Science, 2011, 46, 2541-2547.	3.7	15
72	Carbon spinâ€lattice relaxation rate measurements during single proton excitation. A new method of internuclear distances determination. Journal of Chemical Physics, 1986, 84, 6581-6583.	3.0	14

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73	Extensive spatial analysis of the light environment in a subtropical shallow lake, Laguna Iberï¿½, Argentina. Hydrobiologia, 2005, 534, 181-191.	2.0	14
74	The influence of climate and dam construction on the Ibera wetlands, Argentina. Regional Environmental Change, 2006, 6, 181-191.	2.9	14
75	Fibrinogenâ^'Catecholamine Interaction as Observed by NMR and Fourier Transform Infrared Spectroscopy. Biomacromolecules, 2007, 8, 2689-2696.	5.4	14
76	Solution behavior of a sugar-based carborane for boron neutron capture therapy: A nuclear magnetic resonance investigation. Biophysical Chemistry, 2007, 125, 320-327.	2.8	14
77	Analytical and structural investigation via infrared spectroscopy and density functional methods of cuprous complexes of the antioxidant tripeptide glutathione (GSH). Synthesis and characterization of a novel Cu I -GSH compound. Inorganica Chimica Acta, 2018, 470, 158-171.	2.4	14
78	The derivation of carbonâ€“proton internuclear distances in organic natural products from13C relaxation rates and nuclear overhauser effects. Journal of the Chemical Society Perkin Transactions 1, 1985, , 239-243.	0.9	13
79	Penetration of Solar Radiation into the Waters of Messina Strait (Italy). Annali Di Chimica, 2005, 95, 177-184.	0.6	13
80	Spatial dynamics of chromophoric dissolved organic matter in nearshore waters of Lake Victoria. Aquatic Ecosystem Health and Management, 2010, 13, 185-195.	0.6	13
81	Discrimination of human semen specimens by NMR data, sperm parameters, and statistical analysis. Systems Biology in Reproductive Medicine, 2015, 61, 353-359.	2.1	13
82	Simultaneous Detection of H and D NMR Signals in a Micro-Tesla Field. Journal of Physical Chemistry Letters, 2017, 8, 6176-6179.	4.6	13
83	Effect of different post-harvest storage conditions and heat treatment on tomatine content in commercial varieties of green tomatoes. Journal of Food Composition and Analysis, 2021, 96, 103735.	3.9	13
84	Proton relaxation mechanisms and the measurements of rî¦, rî¨ and transannular interproton distances in gramicidin S. Biophysical Chemistry, 1984, 20, 217-223.	2.8	12
85	Carbon and proton nuclear magnetic relaxation study of thymidine-thymidine interaction in solution. The Journal of Physical Chemistry, 1987, 91, 3903-3906.	2.9	12
86	Satellite-based indices in the analysis of land cover for municipalities in the province of Siena, Italy. Journal of Environmental Management, 2008, 86, 383-389.	7.8	12
87	Conformational and dynamic investigation in solution of inosine and its molecular complex, inosiplex, by proton and carbon NMR spectroscopy. Magnetic Resonance in Chemistry, 1990, 28, 348-354.	1.9	11
88	Feedback analysis in reserve management: studying local myths using qualitative models. Ecological Modelling, 2000, 129, 25-37.	2.5	11
89	Isotopic Effect on the Kinetics of the Belousov-Zhabotinsky Reaction. International Journal of Molecular Sciences, 2007, 8, 943-949.	4.1	11
90	Modelling Upwelling Irradiance using Secchi disk depth in lake ecosystems. Journal of Limnology, 2009, 68, 83.	1.1	11

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91	Simulating the active sites of copper-trafficking proteins. Density functional structural and spectroscopy studies on copper(I) complexes with thiols, carboxylato, amide and phenol ligands. Journal of Coordination Chemistry, 2016, 69, 404-424.	2.2	11
92	Chemical Characterisation and Antihypertensive Effects of Locular Gel and Serum of Lycopersicum esculentum L. var. â€œCamoneâ€•Tomato in Spontaneously Hypertensive Rats. Molecules, 2020, 25, 3758.	3.8	11
93	Kinetic Analysis and Comparison of Models of Xylose Metabolism byKlebsiella planticola. Biochemical and Biophysical Research Communications, 1996, 227, 41-46.	2.1	10
94	Modeling Interpretation of Microbe Metabolism Detected by Nuclear Magnetic Resonance. Biochemical and Biophysical Research Communications, 1996, 227, 53-58.	2.1	10
95	The use of systems analysis methods in the sustainable management of wetlands. Hydrobiologia, 2001, 458, 191-200.	2.0	10
96	Solution structure of rifaximin and its synthetic derivative rifaximin OR determined by experimental NMR and theoretical simulation methods. Bioorganic and Medicinal Chemistry, 2004, 12, 2163-2172.	3.0	10
97	[10] Selective relaxation techniques. Methods in Enzymology, 1989, 176, 184-199.	1.0	9
98	Proton and carbon chemical shift assignment and dynamic investigation of the macrolide antibiotic tylosin. Magnetic Resonance in Chemistry, 1992, 30, 954-957.	1.9	9
99	ToF-SIMS and PCA studies of Seggianese olives and olive oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 279, 225-232.	4.7	9
100	The optical qualities of shallow wetland lined bays in Lake Victoria. Wetlands Ecology and Management, 2007, 15, 509-519.	1.5	9
101	Interaction study of bioactive molecules with fibrinogen and human platelets determined by 1H NMR relaxation experiments. Bioorganic and Medicinal Chemistry, 2009, 17, 1630-1635.	3.0	9
102	Competition for spectral irradiance between epilimnetic optically active dissolved and suspended matter and phytoplankton in the metalimnion. Consequences for limnology and chemistry. Photochemical and Photobiological Sciences, 2011, 10, 1000.	2.9	9
103	Lipids from algal biomass provide new (nonlamellar) nanovectors with high carrier potentiality for natural antioxidants. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 410-416.	4.3	9
104	Kinetics of glucosinolate hydrolysis by myrosinase in Brassicaceae tissues: A high-performance liquid chromatography approach. Food Chemistry, 2021, 355, 129634.	8.2	9
105	Spatial and temporal characterisations of the degradation of dissolved humic substances in freshwater lake. Ecological Modelling, 2005, 186, 55-61.	2.5	8
106	Morphological anomalies in pollen tubes ofActinidia deliciosa (kiwi) exposed to 50 Hz magnetic field. Bioelectromagnetics, 2005, 26, 153-156.	1.6	8
107	ToFâ€SIMS investigation of ancient ceramics from the Quartaia Site, Tuscany (Italy). Surface and Interface Analysis, 2011, 43, 1108-1119.	1.8	8
108	Evaluation of in vitro cell and blood compatibility and in vivo analgesic activity of plant-derived dietary supplements. Journal of Integrative Medicine, 2019, 17, 213-220.	3.1	8

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109	Combined Experimental and Multivariate Model Approaches for Glycoalkaloid Quantification in Tomatoes. Molecules, 2021, 26, 3068.	3.8	8
110	Water proton spin-lattice relaxation behaviour in heterogeneous biological systems. Chemical Physics Letters, 1983, 96, 154-156.	2.6	7
111	Proton magnetic relaxation mechanisms and solution dynamics of L-histidine. Journal of the Chemical Society Faraday Transactions I, 1983, 79, 2955.	1.0	7
112	Structural and dynamical studies of the relaxation effects induced by proton perturbation during 13C spin-lattice relaxation rate measurements. Chemical Physics Letters, 1987, 136, 506-509.	2.6	7
113	The measurement of direct 1H-13C dipolar relaxation terms from proton spin-lattice relaxation experiments. Chemical Physics Letters, 1987, 142, 418-422.	2.6	7
114	Temperature-dependent conformational analysis of gentiobiose octa-acetate in solution. Proton and carbon nuclear magnetic relaxation study. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 2149.	1.0	7
115	Interaction of Purine Nucleotides with Inert Paramagnetic Cr(III) Probes Evaluated by NMR Relaxation Effects. Molecular Mechanics Calculations on Cr(III) and Co(III) Polyphosphate Complexes. Journal of Biomolecular Structure and Dynamics, 1990, 7, 859-878.	3.5	7
116	A modellistic view of the kinetics of metabolic processes: differences in the glucose and xylose degradation pathway. Chemical Physics Letters, 1999, 310, 38-42.	2.6	7
117	Synthetic polymers as biomacromolecular models for studying ligandâ€“protein interactions: A nuclear spin relaxation approach. Journal of Pharmaceutical and Biomedical Analysis, 2006, 40, 113-121.	2.8	7
118	Determination of the modified â€˜affinity indexâ€™ of small ligands and macromolecular receptors from NMR spin-lattice relaxation data. Chemical Physics Letters, 2007, 447, 147-153.	2.6	7
119	Xanthan Gumâ€“Chitosan: Delayed, prolonged, and burstâ€release tablets using same components in different ratio. Advances in Polymer Technology, 2018, 37, 2936-2945.	1.7	7
120	Structural and dynamical characterization of piroxicam by 1H- and 13C-NMR relaxation studies. Biophysical Chemistry, 1987, 27, 255-261.	2.8	6
121	A modelling approach for the analysis of xyloseâ€“ethanol bioconversion. Ecological Modelling, 1998, 113, 157-162.	2.5	6
122	Combined use of nuclear magnetic resonance and infrared spectroscopy for studying recognition processes between amphenicolic antibiotics and albumin. Magnetic Resonance in Chemistry, 2003, 41, 489-502.	1.9	6
123	TOFâ€SIMS characterization of pigments and binders in â€˜the Martyrdom of St. Catherineâ€™, in Zejtun (Malta). Surface and Interface Analysis, 2011, 43, 1152-1159.	1.8	6
124	Chemical characterisation of a new estuarine pollutant (2,4-Dichloro-6-Nitrophenol) and assessment of the acute toxicity of its quinoid form forArtemia salina. International Journal of Environmental Analytical Chemistry, 2012, 92, 1679-1688.	3.3	6
125	Metabolic response to exogenous ethanol in yeast: An in vivo statistical total correlation NMR spectroscopy approach. Journal of Biosciences, 2012, 37, 749-755.	1.1	6
126	Grappa quality from the Chianti and Montepulciano areas (Tuscany, Italy): monitoring the leaching of copper from distillation columns. International Journal of Food Science and Technology, 2018, 53, 1558-1565.	2.7	5

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127	Ionic Exchange Resins and Hydrogels for Capturing Metal Ions in Selected Sweet Dessert Wines. Molecules, 2018, 23, 2973.	3.8	5
128	Ordering effect of protein surfaces on water dynamics: NMR relaxation study. Biophysical Chemistry, 2019, 249, 106149.	2.8	5
129	Varietal and Geographical Origin Characterization of Peaches and Nectarines by Combining Analytical Techniques and Statistical Approach. Molecules, 2021, 26, 4128.	3.8	5
130	Physicochemical Characterization of Hyaluronic Acid and Chitosan Liposome Coatings. Applied Sciences (Switzerland), 2021, 11, 12071.	2.5	5
131	Nuclear magnetic resonance study of gentiobiose octaacetate in solution. Magnetic Resonance in Chemistry, 1989, 27, 223-226.	1.9	4
132	Folic Acid: Solution Structure and NMR Strategy for Conformational Analysis. Spectroscopy Letters, 1993, 26, 1603-1611.	1.0	4
133	Neotropical wetlands: New instruments in ecosystem management. Wetlands Ecology and Management, 2004, 12, 587-596.	1.5	4
134	Comparison of Original and Modern Mortars at the Herculaneum Archaeological Site. Conservation and Management of Archaeological Sites, 2019, 21, 92-112.	0.5	4
135	Calcium ions hyaluronan/gellan gum protective shell for delivery of oleuropein in the knee. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, , 1-16.	3.4	4
136	Non-Destructive Monitoring of P. fluorescens and S. epidermidis Biofilm under Different Media by Fourier Transform Infrared Spectroscopy and Other Corroborative Techniques. Coatings, 2020, 10, 930.	2.6	4
137	Analytical composition of flours through thermogravimetric and rheological combined methods. Thermochimica Acta, 2022, 711, 179204.	2.7	4
138	Electron spin relaxation and frequency-dependent lineshape analysis of the 5â€²â€”ATPâ€”Mn(II)â€”Trp system. Chemical Physics Letters, 1979, 68, 111-114.	2.6	3
139	Heteronuclear Overhauser Effects: 2d NMR Measurements of through Space¹H-¹³C Dipolar Couplings In Solution. Spectroscopy Letters, 1987, 20, 307-310.	1.0	3
140	Selective 1Hâ€“13C and 1Hâ€“1H nuclear overhauser enhancement studies of adenosineâ€“thymidine interaction in solution. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 1731.	1.0	3
141	Purine nucleotide-copper(II) binary and ternary complexes. Synthesis, electron paramagnetic resonance and infrared investigation. Inorganica Chimica Acta, 1987, 135, 215-220.	2.4	3
142	The Spatial Distribution of Optical Properties in the Ultraviolet and Visible in an Aquatic Ecosystem^{Â¶}. Photochemistry and Photobiology, 2004, 80, 139-149.	2.5	3
143	Distribution of Gadolinium in Rat Heart Studied by Fast Field Cycling Relaxometry and Imaging SIMS. International Journal of Molecular Sciences, 2019, 20, 1339.	4.1	3
144	Effects of Aqueous Extract of Lycopersicum esculentum L. var. â€œCamoneâ€•Tomato on Blood Pressure, Behavior and Brain Susceptibility to Oxidative Stress in Spontaneously Hypertensive Rats. Pathophysiology, 2021, 28, 189-201.	2.2	3

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145	Bioactive Compounds and Their Impact on Protein Modification in Human Cells. International Journal of Molecular Sciences, 2022, 23, 7424.	4.1	3
146	Noncovalent interactions and paramagnetic relaxation probes. Investigation of the correlation times. The Journal of Physical Chemistry, 1980, 84, 116-118.	2.9	2
147	Structural determinations from NMR relaxation contributions of exchangeable protons to carbon spinâ€"lattice relaxation rates. Chemical Physics Letters, 1991, 187, 439-441.	2.6	2
148	Selective proton â‡Œ deuterium substitution for probing molecular structure by NMR relaxation analysis. Chemical Physics Letters, 1991, 180, 19-22.	2.6	2
149	Contributions of internal motions to molecular dynamics in solution. A nuclear magnetic resonance investigation. Chemical Physics Letters, 1992, 193, 553-556.	2.6	2
150	Intramolecular Polycomplexes Formed by Dextran-Grafted Polyacrylamide: Effect of the Components Molecular Weight. Macromolecular Symposia, 2005, 222, 219-224.	0.7	2
151	A new approach to study in vivo cellular metabolism using a modellistic analysis of magnetic resonance spectra. Mathematical Biosciences, 2009, 222, 36-41.	1.9	2
152	Modified low molecular weight poly-vinyl alcohol as viscosity enhancer. Materials Today Communications, 2019, 21, 100634.	1.9	2
153	Metal-Ligand Recognition Index Determination by NMR Proton Relaxation Study. Molecules, 2019, 24, 1050.	3.8	2
154	Solution dynamics of the natural bioactive molecule capsaicin: a relaxation study. Spectroscopy Letters, 2019, 52, 74-79.	1.0	2
155	Proton nuclear magnetic resonance relaxation study of the manganese(II)â€"L-histidine complex. Analysis of pH dependence and correlation times. Journal of the Chemical Society Faraday Transactions I, 1981, 77, 2361.	1.0	1
156	Effectiveness and limits of magnetic resonance techniques in the identification of different coordination pathways of the Mn(II) in the presence of biomacromolecules. Polymer Bulletin, 1981, 5, 263.	3.3	1
157	NMRâ€Untersuchungen an Hefen, die auf Substraten mit â€œZÃhmungâ€â€Radioaktivität kultiviert wurden. Angewandte Chemie, 1983, 95, 55-56.	2.0	1
158	Competition equilibria of metal ions with nucleobases: an ESR study. Inorganica Chimica Acta, 1984, 92, 47-50.	2.4	1
159	Magnetic resonance reinvestigation of MnIIâ€"5â€² ATP equilibria in solution. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 3331.	1.0	1
160	Proton Detection of Heteronuclear Dipolar Couplings. Spectroscopy Letters, 1989, 22, 561-568.	1.0	1
161	Determination of proton-carbon cross-relaxation from selective proton-carbon spin-lattice relaxation rates and heteronuclear transient NOE. Chemical Physics Letters, 1989, 156, 438-445.	2.6	1
162	In vivo NMR study of yeast fermentative metabolism in the presence of ferric irons. Journal of Biosciences, 2011, 36, 97-103.	1.1	1

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163	Biopolymers and Biomacromolecules Solvent Dynamics. Macromolecular Symposia, 2014, 335, 78-85.	0.7	1
164	Antioxidant Species in Grapes and Wines via Spectrophotometric Methods: No Quenching Effects by Copper(II) and Yeast Derivative Treatments. Journal of Chemistry, 2019, 2019, 1-9.	1.9	1
165	Plasticizers free polyvinyl chloride membrane for metal ions sequestering. Inorganic Chemistry Communication, 2020, 119, 108100.	3.9	1
166	Ferromagnetic contamination of ultra-low-field-NMR sample containers. Quantification of the problem and possible solutions. Journal of Magnetism and Magnetic Materials, 2020, 514, 167220.	2.3	1
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