

# Maria Antonietta Ricci

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168  
papers

6,354  
citations

40  
h-index

75  
g-index

175  
ext. papers

6,707  
ext. citations

3.4  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
168	Interaction of trehalose and glucose with a peptide Eturn in aqueous solution. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 349, 118451	6	
167	Effectiveness and Compatibility of Nanoparticle Based Multifunctional Coatings on Natural and Man-Made Stones. <i>Coatings</i> , <b>2021</b> , 11, 480	2.9	2
166	Mapping at the nanometer scale the effects of sea-salt derived chlorine on cinnabar and lead white by using delayed image extraction in ToF-SIMS. <i>Analyst, The</i> , <b>2021</b> , 146, 2392-2399	5	4
165	Assessment of Stone Protective Coatings with a Novel Eco-Friendly Encapsulated Biocide. <i>Coatings</i> , <b>2021</b> , 11, 1109	2.9	0
164	Synthesis and Characterization of TEOS Coating Added With Innovative Antifouling Silica Nanocontainers and TiO <sub>2</sub> Nanoparticles. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	6
163	Hydration of Carboxyl Groups: A Route toward Molecular Recognition?. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 4358-4364	3.4	4
162	Raman Spectroscopy Discloses Altered Molecular Profile in Thyroid Adenomas. <i>Diagnostics</i> , <b>2020</b> , 11,	3.8	2
161	Hydration and aggregation of a simple amino acid: The case of glycine. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 301, 112407	6	11
160	Metabolic profile of human parathyroid adenoma. <i>Endocrine</i> , <b>2020</b> , 67, 699-707	4	2
159	Hydration of two artificial sweeteners: Possible relevance for their taste. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 320, 114398	6	2
158	Aqueous solution of betaine: Hydration and aggregation. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 318, 114253	3	5
157	Thyroid cancer diagnosis by Raman spectroscopy. <i>Scientific Reports</i> , <b>2020</b> , 10, 13342	4.9	10
156	Vibrational dynamics of confined supercooled water. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 224504	3.9	6
155	Dating of a unique six-colour relief print by historical and archaeometric methods. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	1
154	Quantum sensing for dynamical tracking of chemical processes. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	13
153	N-Methylacetamide Aqueous Solutions: A Neutron Diffraction Study. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 1808-1814	3.4	6
152	Ectoine hydration, aggregation and influence on water structure. <i>Molecular Physics</i> , <b>2019</b> , 117, 3311-3319	2.7	4

151	Ice crystallization observed in highly supercooled confined water. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 4931-4938	3.6	9
150	Multiparameter Approach to Dynamic Quantum Phase Estimation. <i>Proceedings (mdpi)</i> , <b>2019</b> , 12, 55	0.3	
149	Role of Water in Sucrose, Lactose, and Sucralose Taste: The Sweeter, The Wetter?. <i>ACS Omega</i> , <b>2019</b> , 4, 22392-22398	3.9	10
148	Raman and time of flight secondary ion mass spectrometry investigation answers specific conservation questions on Bosch painting Saint Wilgefortis Triptych. <i>Journal of Raman Spectroscopy</i> , <b>2019</b> , 50, 150-160	2.3	14
147	Hydration of monosaccharides studied by Raman scattering. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 1066-1075	2.3	6
146	OH Stretching Dynamics in Hydroxide Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 4077-4082	3.4	4
145	Multiparameter approach to quantum phase estimation with limited visibility. <i>Optica</i> , <b>2018</b> , 5, 1171	8.6	25
144	Hydrogen Bond Length as a Key To Understanding Sweetness. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3667-3672	6.4	17
143	Protection against Dehydration: A Neutron Diffraction Study on Aqueous Solutions of a Model Peptide and Trehalose. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 10291-10295	3.4	18
142	Trehalose in Water Revisited. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 7365-7374	3.4	18
141	Dynamical behavior of microgels of interpenetrated polymer networks. <i>Soft Matter</i> , <b>2017</b> , 13, 5185-5193	3.6	35
140	Structure-activity relationships in carbohydrates revealed by their hydration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1486-1493	4	19
139	Glucose and Mannose: A Link between Hydration and Sweetness. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 7771-7776	3.4	17
138	Characterization of an unusual black patina on the Neang Khmau temple (archaeological Khmer area, Cambodia): a multidisciplinary approach. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 1467-1472	2.3	8
137	Characterisation of artificial patinas on bronze sculptures of the Carlo Bilotti Museum (Rome). <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	4
136	Raman, FT-IR and XRD investigation of natural opals. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 1444-1451	1.3	18
135	Raman, SEM-EDS and XRPD investigations on pre-Columbian Central America "estucado" pottery. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 156, 47-53	4.4	10
134	Chemical and spectroscopic investigation of the Raphael cartoon of the School of Athens from the Pinacoteca Ambrosiana. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	3

133	Hydration of Caffeine at High Temperature by Neutron Scattering and Simulation Studies. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 13294-301	3.4	22
132	The structure of water near a charged crystalline surface. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 407, 418-422	3.9	8
131	Local structure of temperature and pH-sensitive colloidal microgels. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 114904	3.9	13
130	Identification of endolithic traces on stone monuments and natural outcrops: preliminary evidences. <i>Journal of Raman Spectroscopy</i> , <b>2014</b> , 45, 1180-1185	2.3	8
129	Water-peptide site-specific interactions: a structural study on the hydration of glutathione. <i>Biophysical Journal</i> , <b>2014</b> , 106, 1701-9	2.9	36
128	Neutron diffraction study of aqueous Laponite suspensions at the NIMROD diffractometer. <i>Physical Review E</i> , <b>2014</b> , 90, 032301	2.4	5
127	Microscopic structure of water in a water/oil emulsion. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 204503	3.9	9
126	Water Proton Environment: A New Water Anomaly at Atomic Scale?. <i>Advances in Chemical Physics</i> , <b>2013</b> , 175-187		
125	Isotopic effect on the aging dynamics of a charged colloidal system. <i>RSC Advances</i> , <b>2012</b> , 2, 11111	3.7	12
124	Proton Momentum Distribution and Diffusion Coefficient in Water: Two Sides of the Same Coin?. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2594-7	6.4	4
123	DOMUS AUREA, THE BALIA DELLE MASCHERE: CHEMICAL AND SPECTROSCOPIC INVESTIGATIONS ON THE FRESCO PAINTINGS. <i>Archaeometry</i> , <b>2012</b> , 54, 1060-1075	1.6	17
122	How safe is to safely enter in the water no-man's land?. <i>Journal of Molecular Liquids</i> , <b>2012</b> , 176, 39-43	6	3
121	Evolution of past enamel technology and metal conservation issues: the case of two Byzantine style bindings. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 1260-1264	2.3	3
120	Raman investigations on marker pen inks. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 1781-1787	2.3	15
119	Aqueous solutions of divalent chlorides: ions hydration shell and water structure. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 064520	3.9	74
118	Quantum effects and the local environment of water hydrogen: Deep inelastic neutron scattering study. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	8
117	Isotope quantum effects on the water proton mean kinetic energy. <i>Physical Review Letters</i> , <b>2011</b> , 106, 255502	7.4	19
116	Multiple relaxation processes versus the fragile-to-strong transition in confined water. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 19773-9	3.6	26

115	Viscosity of aqueous solutions and local microscopic structure. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 14008-13	3.4	37
114	Structural studies of confined liquids: The case of water confined in MCM-41. <i>Journal of Molecular Liquids</i> , <b>2011</b> , 159, 42-46	6	11
113	Structural study of low concentration LiCl aqueous solutions in the liquid, supercooled, and hyperquenched glassy states. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 024515	3.9	44
112	NIMROD: The Near and InterMediate Range Order Diffractometer of the ISIS second target station. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 033905	1.7	99
111	Water and trehalose: how much do they interact with each other?. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 4904-8	3.4	69
110	Controversial Evidence on the Point of Minimum Density in Deeply Supercooled Confined Water. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1277-1282	6.4	52
109	Pietro Paolo et al. Reply. <i>Physical Review Letters</i> , <b>2009</b> , 103,	7.4	10
108	A new water anomaly: the temperature dependence of the proton mean kinetic energy. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 236101	3.9	16
107	Influence of concentration and anion size on hydration of H <sup>+</sup> ions and water structure. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 4075-81	3.4	20
106	Multiscale approach to the structural study of water confined in MCM41. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 16169-77	3.4	64
105	Solvation of KSCN in water. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 10014-21	3.4	34
104	"Similarities" between confined and supercooled water. <i>Faraday Discussions</i> , <b>2009</b> , 141, 347-58; discussion 443-65	3.6	50
103	Percolation and three-dimensional structure of supercritical water. <i>Physical Review E</i> , <b>2008</b> , 78, 021505	2.4	54
102	Excess of proton mean kinetic energy in supercooled water. <i>Physical Review Letters</i> , <b>2008</b> , 100, 127802	7.4	77
101	Percolation and clustering in supercritical aqueous fluids. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 494208	1.8	10
100	Study of percolation and clustering in supercritical water-CO <sub>2</sub> mixtures. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 164504	3.9	14
99	The colours of Etruscan painting: a study on the Tomba dell'Orco in the necropolis of Tarquinia. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 1035-1041	2.3	21
98	Water structure around trehalose. <i>Chemical Physics</i> , <b>2008</b> , 345, 159-163	2.3	49

97	CO <sub>2</sub> /water supercritical mixtures: Test of a potential model against neutron diffraction data. <i>Journal of Molecular Liquids</i> , <b>2007</b> , 136, 294-299	6	5
96	Structure and Single Proton Dynamics of Bulk Supercooled Water. <i>Journal of Molecular Liquids</i> , <b>2007</b> , 136, 236-240	6	3
95	The bacterial aetiology of rosy discoloration of ancient wall paintings. <i>Environmental Microbiology</i> , <b>2007</b> , 9, 2894-902	5.2	69
94	Hydration of sodium, potassium, and chloride ions in solution and the concept of structure maker/breaker. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 13570-7	3.4	477
93	Probing water dynamics with OH <sup>-</sup> . <i>Chemical Physics</i> , <b>2007</b> , 336, 183-187	2.3	27
92	The three-dimensional structure of water confined in nanoporous vycor glass. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 5610-20	3.4	67
91	Proton quantum coherence observed in water confined in silica nanopores. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 154501	3.9	59
90	Perturbation of water structure due to monovalent ions in solution. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 2959-67	3.6	265
89	An archaeometric application of SANS to pottery finds. <i>Journal of Neutron Research</i> , <b>2006</b> , 14, 3-9	0.5	1
88	Structure of 2 molar NaOH in aqueous solution from neutron diffraction and empirical potential structure refinement. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	72
87	Eigen versus Zundel complexes in HCl-water mixtures. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 014508	3.9	61
86	Methodological aspects of SANS and TOF neutron diffraction measurements on pottery: the case of Miseno and Cuma. <i>Journal of Archaeological Science</i> , <b>2006</b> , 33, 307-319	2.9	24
85	Microscopic structure and gas-gas critical line of the Ar-water system. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 282-284	2.8	
84	Monte Carlo simulations of the NIMROD diffractometer. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 1070-1072	2.8	4
83	Ions in water: the microscopic structure of concentrated hydroxide solutions. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 194509	3.9	104
82	Solvation shell of H <sup>+</sup> ions in water. <i>Journal of Molecular Liquids</i> , <b>2005</b> , 117, 77-79	6	29
81	Solvation shell of OH <sup>-</sup> ions in water. <i>Journal of Molecular Liquids</i> , <b>2005</b> , 117, 81-84	6	54
80	Ions in water: the microscopic structure of a concentrated HCl solution. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 7840-8	3.9	105

79	Ions in water: the microscopic structure of concentrated NaOH solutions. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 10154-62	3.9	125
78	Ion hydration under pressure. <i>Physical Review Letters</i> , <b>2003</b> , 91, 165505	7.4	27
77	Solvation of hydroxyl ions in water. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 5001-5004	3.9	70
76	Water structure in supercritical mixtures of water and rare gases. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 235-241	3.9	12
75	Supercooled confined water and the mode coupling scenario. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 304, 53-58	3.3	3
74	Jumping between water polymorphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 304, 43-52	3.3	14
73	Experimental determination of the site-site radial distribution functions of supercooled ultrapure bulk water. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 6196-6199	3.9	29
72	Study of the $\beta$ -relaxation in supercooled confined water. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>2002</b> , 82, 507-515		1
71	Layer analysis of the structure of water confined in vycor glass. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 342	3.9	138
70	Neutron Diffraction Study of Water Polymorphism <b>2002</b> , 355-366		1
69	Low frequency scattering excess in supercooled confined water. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 10010-10014	3.9	29
68	Structural characterization of NaOH aqueous solution in the glass and liquid states. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 8056-8063	3.9	61
67	Proton dynamics in supercritical water. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 11243-11248	3.9	37
66	Orientational correlations in liquid and supercritical CO <sub>2</sub> : neutron diffraction experiments and molecular dynamics simulations. <i>Molecular Physics</i> , <b>2001</b> , 99, 301-308	1.7	28
65	Modifications of the hydrogen bond network of liquid water in a cylindrical SiO <sub>2</sub> pore. <i>Journal of Molecular Liquids</i> , <b>2000</b> , 85, 127-137	6	85
64	Non-exponential kinetic behaviour of confined water. <i>Europhysics Letters</i> , <b>2000</b> , 49, 183-188	1.6	49
63	Structures of high-density and low-density water. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2881-4	7.4	529
62	Water in confined geometries: experiments and simulations. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, A345-A350	1.8	69

61	Studies of water in confinement by experiments and simulations. <i>European Physical Journal Special Topics</i> , <b>2000</b> , 10, Pr7-187-Pr7-193		12
60	Orientalional correlations in liquid hydrogen sulphide. <i>Molecular Physics</i> , <b>1999</b> , 97, 777-786	1.7	7
59	Evidence of glassy behaviour of water molecules in confined states. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1999</b> , 79, 1923-1930		20
58	Neutron diffraction study of high density supercritical water. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 3180-3184	3.9	137
57	Light and neutron scattering studies of the OH stretching band in liquid and supercritical water. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 450-454	3.9	35
56	Water confined in Vycor glass. I. A neutron diffraction study. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 1478-1485	3.9	137
55	Analysis of the hydrogen-bonded structure of water from ambient to supercritical conditions. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 8528-8540	3.9	165
54	A molecular dynamics simulation of water confined in a cylindrical SiO <sub>2</sub> pore. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 9859-9867	3.9	118
53	Water confined in Vycor glass. II. Excluded volume effects on the radial distribution functions. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 1486-1494	3.9	118
52	Microscopic structure of the hydrogen-xenon mixture. <i>Physical Review E</i> , <b>1997</b> , 56, 2993-2999	2.4	2
51	Orientalional correlations and hydrogen bonding in liquid hydrogen chloride. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 214-221	3.9	22
50	Site pair correlation functions of water from 25 to 400 °C: Revised analysis of new and old diffraction data. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 247-254	3.9	512
49	Unpredicted density dependence of hydrogen bonding in water found by neutron diffraction. <i>Physical Review B</i> , <b>1996</b> , 54, 11876-11879	3.3	22
48	Inelasticity effects in the neutron diffraction measurements from water steam using pulsed sources. <i>Journal of Molecular Liquids</i> , <b>1995</b> , 64, 221-240	6	11
47	Depolarized Rayleigh scattering in water up to supercritical conditions. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 6975-6981	3.9	16
46	Microscopic structure of low temperature liquid ammonia: A neutron diffraction experiment. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 7650-7655	3.9	67
45	Neutron diffraction study of heavy water steam. <i>Molecular Physics</i> , <b>1994</b> , 81, 217-225	1.7	11
44	Water above its boiling point: Study of the temperature and density dependence of the partial pair correlation functions. I. Neutron diffraction experiment. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 4123-4132	3.9	89



43	Neutron diffraction from liquid hydrogen bromide: Study of the orientational correlations. <i>Physical Review B</i> , <b>1994</b> , 49, 3811-3820	3.3	16
42	Quantum effects in the structural properties of supercritical 4He. <i>Physical Review B</i> , <b>1994</b> , 50, 15890-15895	3.3	3
41	Evolution of the radial distribution function of liquid iodine along the coexistence curve. <i>Physical Review B</i> , <b>1994</b> , 50, 6047-6052	3.3	7
40	Neutron diffraction studies of H <sub>2</sub> O/D <sub>2</sub> O at supercritical temperatures. A direct determination of g <sub>HH</sub> (r), g <sub>OH</sub> (r), and g <sub>OO</sub> (r). <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 6210-6215	3.9	101
39	Radial Distribution Function of Heavy Water Steam <b>1994</b> , 69-72		1
38	Light Scattering from Liquid Water <b>1994</b> , 205-220		
37	Neutron Diffraction Study of Water At High Temperature. <i>Europhysics Letters</i> , <b>1992</b> , 19, 385-389	1.6	21
36	Brillouin and Raman scattering from liquid water. <i>Journal of Molecular Structure</i> , <b>1992</b> , 270, 287-299	3.4	10
35	X-ray experiments on the copper liquid crystalline coordination compound (DOBBA) <sub>2</sub> Cu. <i>Solid State Communications</i> , <b>1991</b> , 80, 587-590	1.6	7
34	Vibrational density of states of the hydrogen sites in hydrogen-bonded molecular solids. <i>Journal of Molecular Structure</i> , <b>1991</b> , 250, 385-393	3.4	3
33	On the multiple scattering corrections in an inelastic neutron scattering experiment. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1991</b> , 61, 123-126	1.2	3
32	Neutron-diffraction study of liquid iodine. <i>Physical Review A</i> , <b>1991</b> , 44, 5018-5024	2.6	15
31	Neutron diffraction study of the partial pair correlation functions of liquid hydrogen sulphide. <i>Molecular Physics</i> , <b>1991</b> , 73, 407-415	1.7	21
30	Stretching density of states of the deuterium sites in polycrystalline D <sub>2</sub> O. <i>Molecular Physics</i> , <b>1991</b> , 73, 737-743	1.7	3
29	Temperature evolution of single particle correlation functions of liquid water. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 2540-2547	3.9	34
28	Dynamical correlations in liquid hydrogen sulphide. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 9012-9017	3.9	8
27	High-resolution low-frequency Raman spectra of liquid H <sub>2</sub> O and D <sub>2</sub> O. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 7767-7773	3.9	70
26	Raman spectra of water in the translational and librational regions. <i>Journal of Physics Condensed Matter</i> , <b>1990</b> , 2, SA183-SA187	1.8	16

25	Theoretical and computer-simulation study of the density fluctuations in liquid water. <i>Physical Review A</i> , <b>1989</b> , 40, 7226-7238	2.6	69
24	Diffraction Studies of Liquid Deuterium Sulphide. <i>Europhysics Letters</i> , <b>1989</b> , 8, 441-446	1.6	8
23	A procedure for multiple scattering corrections in a neutron incoherent inelastic scattering experiment. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1989</b> , 36, 216-221	1.2	10
22	Low-frequency Raman spectra of liquid water: A molecular dynamics simulation. <i>Chemical Physics Letters</i> , <b>1989</b> , 159, 383-387	2.5	32
21	Raman spectra of water in the translational and librational regions. <i>Molecular Physics</i> , <b>1989</b> , 67, 19-31	1.7	39
20	Vibrational density of states in polycrystalline sulphuric acid. <i>Molecular Physics</i> , <b>1989</b> , 66, 747-755	1.7	6
19	Collective dynamical properties of liquid water. <i>Physical Review Letters</i> , <b>1988</b> , 61, 1958-1961	7.4	30
18	Neutron-scattering measurements of wave-vector-dependent hydrogen density of states in liquid water. <i>Physical Review A</i> , <b>1988</b> , 37, 2580-2589	2.6	48
17	Comment on: Raman isosbestic points from liquid water and the temperature dependence of the low and high frequency Raman scattering from liquid water. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 4553-4555	2.9	8
16	Raman spectra of water in the translational and librational regions. <i>Molecular Physics</i> , <b>1987</b> , 61, 1199-1212	1.7	38
15	Raman spectra of water in the translational and librational region. <i>Molecular Physics</i> , <b>1987</b> , 62, 1467-1481	1.7	29
14	Induced contributions in the rayleigh spectra of water: A molecular dynamics simulation. <i>Chemical Physics Letters</i> , <b>1987</b> , 141, 297-300	2.5	28
13	Raman spectra of water in the translational region. <i>Chemical Physics Letters</i> , <b>1987</b> , 133, 381-384	2.5	35
12	A molecular dynamics study of the OH stretching vibrational spectrum of liquid water. <i>Chemical Physics Letters</i> , <b>1986</b> , 132, 165-172	2.5	38
11	Chemical-bond spectroscopy with neutrons. <i>Physical Review A</i> , <b>1986</b> , 34, 1714-1719	2.6	12
10	Rovibrational Raman spectra and polarizability constants of the H <sub>2</sub> S molecule. <i>Molecular Physics</i> , <b>1985</b> , 54, 1229-1240	1.7	9
9	Isotropic induced scattering in liquid H <sub>2</sub> S. <i>Molecular Physics</i> , <b>1983</b> , 50, 1083-1087	1.7	20
8	Rotational Raman spectra of a nearly symmetric rotor. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , <b>1983</b> , 2, 1119-1137		1

7	Interaction induced light scattering spectra of amorphous solid and liquid NaOD heavy water solutions. <i>Canadian Journal of Physics</i> , <b>1982</b> , 60, 88-93	1.1	4
6	Hydrogen distribution in ice Ih. <i>Journal of Physics C: Solid State Physics</i> , <b>1982</b> , 15, 1-8		11
5	Light scattering evidence of a central component in ice Ih. <i>Solid State Communications</i> , <b>1982</b> , 42, 493-496	1.6	7
4	Self-diffusion in liquid water. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 5509-5512	3.9	9
3	Search for isotope effects in the diffusion of methane in krypton at various densities. <i>Physical Review A</i> , <b>1977</b> , 15, 2103-2107	2.6	6
2	The free volume theory and the Macedo-Litovitz hybrid equation for diffusion in liquids. <i>The Journal of Physical Chemistry</i> , <b>1977</b> , 81, 171-177		20
1	Self-diffusion coefficient in dense-fluid region. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , <b>1975</b> , 28, 287-303		2