Roberto Bini

List of Publications by Citations

152 papers	3,772 citations	34 h-index	55 g-index
163 ext. papers	4,135 ext. citations	6.2 avg, IF	5.26 L-index

#	Paper	IF	Citations
152	Triggering dynamics of the high-pressure benzene amorphization. *Nature Materials*, **2007**, 6, 39-43	27	174
151	The ε Phase of Solid Oxygen: Evidence of an O4 Molecule Lattice. *Physical Review Letters*, **1999**, 83, 4093-4096	7.4	143
150	Amorphous silica-like carbon dioxide. *Nature*, **2006**, 441, 857-60	50.4	138
149	High pressure reactivity of solid benzene probed by infrared spectroscopy. *Journal of Chemical Physics*, **2002**, 116, 2928-2935	3.9	121
148	Laser-induced selectivity for dimerization versus polymerization of butadiene under pressure. *Science*, **2002**, 295, 2058-60	33.3	115
147	High-pressure and high-temperature equation of state and phase diagram of solid benzene. *Physical Review B*, **2005**, 72,	3.3	113
146	Constraining molecules at the closest approach: chemistry at high pressure. *Chemical Society Reviews*, **2007**, 36, 869-80	58.5	107
145	High pressure photoinduced ring opening of benzene. *Physical Review Letters*, **2002**, 88, 085505	7.4	107
144	High-pressure synthesis of crystalline polyethylene using optical catalysis. *Nature Materials*, **2004**, 3, 470-5	27	99
143	Molecules under extreme conditions: Chemical reactions at high pressure. *Physical Chemistry Chemical Physics*, **2003**, 5, 1951	3.6	99
142	High-pressure phases of solid nitrogen by Raman and infrared spectroscopy. *Journal of Chemical Physics*, **2000**, 112, 8522-8529	3.9	86
141	Fourier transform infrared study of the pressure and laser induced polymerization of solid acetylene. *Journal of Chemical Physics*, **2000**, 113, 5991-6000	3.9	86
140	Pressure-induced polymerization in solid ethylene. *Journal of Physical Chemistry B*, **2005**, 109, 21658-63	3.4	74
139	Laser-assisted high-pressure chemical reactions. *Accounts of Chemical Research*, **2004**, 37, 95-101	24.3	69
138	High-pressure infrared study of solid methane: Phase diagram up to 30 GPa. *Physical Review B*, **1997**, 55, 14800-14809	3.3	64
137	Crystal structure of nitromethane up to the reaction threshold pressure. *Journal of Physical Chemistry B*, **2008**, 112, 1095-103	3.4	55
136	High-pressure synthesis of a polyethylene/zeolite nano-composite material. *Nature Communications*, **2013**, 4, 1557	17.4	54

135	Partially collapsed cristobalite structure in the non molecular phase V in CO2. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5176-9	11.5	54
134	Role of excited electronic states in the high-pressure amorphization of benzene. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 7658-63	11.5	52
133	Nitromethane decomposition under high static pressure. *Journal of Physical Chemistry B*, **2010**, 114, 9420-8	3.4	51
132	High-pressure photodissociation of water as a tool for hydrogen synthesis and fundamental chemistry. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 11454-9	11.5	49
131	One-dimensional diamondoid polyaniline-like nanothreads from compressed crystal aniline. *Chemical Science*, **2018**, 9, 254-260	9.4	47
130	On the vibrational assignment of fullerene C60. *Journal of Chemical Physics*, **1994**, 101, 11079-11081	3.9	46
129	High pressure crystal phases of solid CH4 probed by Fourier transform infrared spectroscopy. *Journal of Chemical Physics*, **1995**, 103, 1353-1360	3.9	45
128	High-pressure polymerization of phenylacetylene and of the benzene and acetylene moieties. *Journal of Raman Spectroscopy*, **2003**, 34, 557-566	2.3	44
127	High pressure reactivity of solid furan probed by infrared and Raman spectroscopy. *Journal of Chemical Physics*, **2003**, 118, 1499-1506	3.9	43
126	Structure and Dynamics of Low-Density and High-Density Liquid Water at High Pressure. *Journal of Physical Chemistry Letters*, **2014**, 5, 235-40	6.4	42
125	High Pressure Polymerization in a Confined Space: Conjugated Chain/Zeolite Nanocomposites. *Chemistry of Materials*, **2014**, 26, 2249-2255	9.6	41
124	Structure and reactivity of pyridine crystal under pressure. *Journal of Chemical Physics*, **2011**, 134, 204504	3.9	40
123	Linear carbon dioxide in the high-pressure high-temperature crystalline phase IV. *Physical Review Letters*, **2004**, 93, 205503	7.4	38
122	High pressure crystal phases of benzene probed by infrared spectroscopy. *Journal of Chemical Physics*, **2001**, 115, 3742-3749	3.9	36
121	High-pressure chemistry of red phosphorus and water under near-UV irradiation. *Angewandte Chemie - International Edition*, **2013**, 52, 2313-7	16.4	34
120	Pressure induced reactivity of solid CO by FTIR studies. *Journal of Physical Chemistry B*, **2009**, 113, 6652-60	3.4	34
119	The high-pressure chemistry of butadiene crystal. *Journal of Chemical Physics*, **2003**, 118, 1815-1820	3.9	34
118	Spectroscopy of some ices of astrophysical interest: SO2, N2 and N2: CH4 mixtures. *Planetary and Space Science*, **1996**, 44, 973-986	2	34

117	Spectroscopic study of the ε phase of solid oxygen. *Physical Review B*, **2001**, 63,	3.3	33
116	Infrared and Raman studies on high pressure phases of solid N2: An intermediate structural modification between δ and ε phases. *Journal of Chemical Physics*, **1998**, 108, 6849-6856	3.9	33
115	Dimerization and polymerization of isoprene at high pressures. *Journal of Physical Chemistry B*, **2007**, 111, 3910-7	3.4	32
114	Antiferromagnetism in the high-pressure phases of solid oxygen: Low-energy electronic transitions. *Physical Review B*, **2001**, 64,	3.3	31
113	High-pressure photochemistry of furane crystal. *Journal of Chemical Physics*, **2003**, 118, 8321-8325	3.9	30
112	Chemical Reactions at Very High Pressure. *Advances in Chemical Physics*, **2005**, 105-242		30
111	Infrared Spectrum of Two Fullerene Derivatives: C60O and C61H2. *The Journal of Physical Chemistry* , **1994**, 98, 9966-9971		30
110	High-Pressure Optical Properties and Chemical Stability of Picene. *Journal of Physical Chemistry C*, **2013**, 117, 5343-5351	3.8	29
109	Structural and Electronic Competing Mechanisms in the Formation of Amorphous Carbon Nitride by Compressing s-Triazine. *Journal of Physical Chemistry C*, **2015**, 119, 28560-28569	3.8	26
108	A Perspective on Recent Advances in Phosphorene Functionalization and Its Applications in Devices. *European Journal of Inorganic Chemistry*, **2019**, 2019, 1476-1494	2.3	26
107	High-pressure reactivity of clathrate hydrates by two-photon dissociation of water. *Physical Chemistry Chemical Physics*, **2011**, 13, 1264-75	3.6	25
106	Materials Under Extreme Conditions **2014**,		25
105	Synthesis of 1D Polymer/Zeolite Nanocomposites under High Pressure. *Chemistry of Materials*, **2016**, 28, 4065-4071	9.6	25
104	From simple to complex and backwards. Chemical reactions under very high pressure. *Chemical Physics*, **2012**, 398, 262-268	2.3	24
103	Equation of state and anharmonicity of carbon dioxide phase I up to 12 GPa and 800 K. *Journal of Chemical Physics*, **2010**, 133, 144501	3.9	23
102	High-pressure reactivity of model hydrocarbons driven by near-UV photodissociation of water. *Journal of Physical Chemistry B*, **2009**, 113, 14640-7	3.4	23
101	High-pressure reactivity of propene. *Journal of Chemical Physics*, **2005**, 123, 194510	3.9	23
100	High Pressure Synthesis of All-Transoid Polycarbonyl [(C?O)]n in a Zeolite. *Chemistry of Materials*, **2015**, 27, 6486-6489	9.6	22

99	Carbon enters silica forming a cristobalite-type CO2-SiO2 solid solution. *Nature Communications*, **2014**, 5, 3761	17.4	21
98	Interlayer Bond Formation in Black Phosphorus at High Pressure. *Angewandte Chemie - International Edition*, **2017**, 56, 14135-14140	16.4	21
97	Pressure-induced fluorescence of pyridine. *Journal of Physical Chemistry B*, **2011**, 115, 12051-8	3.4	21
96	Spectroscopic studies of the Ar(H2)2 compound crystal at high pressure and low temperatures. *Physical Review B*, **1999**, 60, 6502-6512	3.3	21
95	Antiferromagnetic order in the □phase of solid oxygen. *Physical Review B*, **2000**, 62, R3604-R3607	3.3	20
94	Crystalline polymeric carbon dioxide stable at megabar pressures. *Nature Communications*, **2018**, 9, 3148	17.4	19
93	On the epsilon-zeta transition of nitrogen. *Journal of Chemical Physics*, **2006**, 124, 116102	3.9	19
92	The far-infrared spectrum of crystalline fullerene C60. *The Journal of Physical Chemistry*, **1993**, 97, 10580-10584		19
91	Pressure-Induced Polymerization of Polycyclic Arene-Perfluoroarene Cocrystals: Single Crystal X-ray Diffraction Studies, Reaction Kinetics, and Design of Columnar Hydrofluorocarbons. *Journal of the American Chemical Society*, **2020**, 142, 18907-18923	16.4	19
90	High-Pressure High-Temperature Structural Properties of Urea. *Journal of Physical Chemistry C*, **2017**, 121, 2380-2387	3.8	18
89	Connecting the Water Phase Diagram to the Metastable Domain: High-Pressure Studies in the Supercooled Regime. *Journal of Physical Chemistry Letters*, **2014**, 5, 3804-9	6.4	18
88	High-pressure vibrational properties of polyethylene. *Journal of Chemical Physics*, **2010**, 133, 204502	3.9	18
87	Pressure-Induced Reactivity in the Emeraldine Salt and Base Forms of Polyaniline Probed by FTIR and Raman. *Journal of Physical Chemistry C*, **2014**, 118, 27559-27566	3.8	17
86	Pressure and Laser-Induced Reactivity in Crystalline s-Triazine. *Journal of Physical Chemistry C*, **2014**, 118, 10284-10290	3.8	17
85	High-pressure and low-temperature infrared study of solid oxygen: Evidence of a new crystal structure. *Physical Review B*, **1999**, 60, 6179-6182	3.3	17
84	Relaxation processes of the infrared-active lattice phonons of crystalline CO2. *Physical Review B*, **1992**, 45, 5244-5250	3.3	17
83	Photoinduced reactivity of liquid ethanol at high pressure. *Journal of Physical Chemistry B*, **2010**, 114, 15437-44	3.4	16
82	The role of H-bond in the high-pressure chemistry of model molecules. *Journal of Physics Condensed Matter*, **2018**, 30, 094001	1.8	15

81	HOMO-LUMO transitions in solvated and crystalline picene. *Journal of Chemical Physics*, **2012**, 137, 224506	3.9	15
80	Pressure Dependence of Hydrogen-Bond Dynamics in Liquid Water Probed by Ultrafast Infrared Spectroscopy. *Journal of Physical Chemistry Letters*, **2016**, 7, 3579-84	6.4	14
79	High-Pressure Photoinduced Synthesis of Polynitrogen in ε and ζ Nitrogen Crystals Substitutionally Doped with CO. *Journal of Physical Chemistry C*, **2015**, 119, 130-140	3.8	14
78	Probing the Chemical Stability of Aniline under High Pressure. *Journal of Physical Chemistry C*, **2017**, 121, 7495-7501	3.8	13
77	Modulating the H-bond strength by varying the temperature for the high pressure synthesis of nitrogen rich carbon nanothreads. *Nanoscale*, **2020**, 12, 5233-5242	7.7	13
76	High-Pressure Photoinduced Reactivity of CH3OH and CD3OH. *Journal of Physical Chemistry C*, **2012**, 116, 2108-2115	3.8	13
75	Intermolecular interactions in the δ phase of solid oxygen studied by infrared spectroscopy. *Physica B: Condensed Matter*, **1999**, 265, 49-53	2.8	13
74	Crystalline indole at high pressure: chemical stability, electronic, and vibrational properties. *Journal of Physical Chemistry B*, **2009**, 113, 13526-35	3.4	12
73	Two-photon spectroscopy of antiaromatic molecules: the case of biphenylene. *Chemical Physics Letters*, **1990**, 175, 413-418	2.5	12
72	Light-induced catalyst and solvent-free high pressure synthesis of high density polyethylene at ambient temperature. *Macromolecular Rapid Communications*, **2014**, 35, 787-93	4.8	11
71	Photoinduced Reactivity of Red Phosphorus and Ethanol at High Pressure. *Journal of Physical Chemistry C*, **2013**, 117, 13129-13135	3.8	11
70	Extended infrared absorption spectroscopy study of the magnetic properties of solid oxygen at high-pressure and low-temperature. *Physical Review B*, **2008**, 77,	3.3	11
69	Phase diagram and crystal phases of trans-1,3 butadiene probed by FTIR and Raman spectroscopy. *Chemical Physics Letters*, **2003**, 367, 186-192	2.5	11
68	Study of the energy level scheme of under pressure. *Journal of Physics Condensed Matter*, **1998**, 10, 9329-9342	1.8	11
67	The spectroscopy and relaxation dynamics of three-phonon bound states in crystal CO2. *Journal of Chemical Physics*, **1993**, 98, 164-177	3.9	11
66	Vibron dynamics in naphthalene crystal. *Journal of Chemical Physics*, **1994**, 100, 7938-7944	3.9	11
65	The two-photon spectrum of liquid pyridine by thermal lensing techniques. *Chemical Physics Letters*, **1987**, 141, 417-422	2.5	11
64	High-pressure reactivity of L,L-lactide. *Journal of Physical Chemistry B*, **2011**, 115, 2173-84	3.4	10

63	Effect of Structural Anisotropy in High-Pressure Reaction of Aniline. *Journal of Physical Chemistry C*, **2018**, 122, 29158-29164	3.8	10
62	The p-sc structure in phosphorus: bringing order to the high pressure phases of group 15 elements. *Chemical Communications*, **2018**, 54, 10554-10557	5.8	9
61	Tuning the Aromaticity of s-Triazine in the Crystal Phase by Pressure. *Journal of Physical Chemistry C*, **2014**, 118, 13764-13768	3.8	9
60	Synthesis of double core chromophore-functionalized nanothreads by compressing azobenzene in a diamond anvil cell. *Chemical Science*, **2021**, 12, 7048-7057	9.4	9
59	High-Pressure Chemistry of Red Phosphorus and Water under Near-UV Irradiation. *Angewandte Chemie*, **2013**, 125, 2369-2373	3.6	8
58	Changing the dissociative character of the lowest excited state of ethanol by pressure. *Journal of Physical Chemistry B*, **2011**, 115, 15236-40	3.4	8
57	Excitation of crystalline all□trans retinal under pressure. *Physical Chemistry Chemical Physics*, **2002**, 4, 5761-5767	3.6	8
56	High-resolution infrared study of the translational lattice modes in □N2 single crystals. *Journal of Chemical Physics*, **1996**, 104, 4365-4370	3.9	8
55	High resolution infrared spectra of the □3 vibron in natural sulfur and in the isotopically pure 32S crystal. *Journal of Chemical Physics*, **1994**, 100, 912-916	3.9	8
54	Intermolecular Interactions in Highly Disordered, Confined Dense N. *Journal of Physical Chemistry Letters*, **2017**, 8, 2406-2411	6.4	7
53	High-Pressure Chemistry of Graphene Oxide in the Presence of Ar, N2, and NH3. *Journal of Physical Chemistry C*, **2016**, 120, 5174-5187	3.8	7
52	Superheating and Homogeneous Melting Dynamics of Bulk Ice. *Journal of Physical Chemistry Letters* , **2019**, 10, 4517-4522	6.4	7
51	Lattice expansion of graphite oxide by pressure induced insertion of liquid ammonia. *Carbon*, **2015**, 93, 484-491	10.4	6
50	Pressure Effects on Water Dynamics by Time-Resolved Optical Kerr Effect. *Journal of Physical Chemistry Letters*, **2020**, 11, 3063-3068	6.4	6
49	Impact of High Pressure on Metallophilic Interactions and Its Consequences for Spectroscopic Properties of a Model Tetranuclear Silver(I)-Copper(I) Complex in the Solid State. *Inorganic Chemistry*, **2018**, 57, 8509-8520	5.1	6
48	Synthesis of High-Quality Crystalline Carbon Nitride Oxide by Selectively Driving the High-Temperature Instability of Urea with Pressure. *Journal of Physical Chemistry C*, **2017**, 121, 19872-19879	3.8	6
47	Probing high-pressure reactions in heterogeneous materials by Raman spectroscopy. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2014**, 229,	1	6
46	IR Study of the Pressure Induced Solid State DI- and Polymerization in 1,3-butadiene. *High Pressure Research*, **2002**, 22, 507-510	1.6	6

45	Vibrational relaxation in disordered 1,4-dihalobenzenes. *Journal of Chemical Physics*, **1995**, 102, 6653-6659	3.9	6
44	Vibrational relaxation of lattice phonons in CS2 crystal. *Chemical Physics Letters*, **1994**, 222, 239-244	2.5	6
43	Triphonons in crystal CO2. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1991**, 157, 273-282	2.3	6
42	Vibrational relaxation of Davydov components of the 940 cm^{-1} mode in KClO4 crystal. *Journal of Molecular Structure*, **1990**, 219, 43-48	3.4	6
41	Correspondence: Reply to Strongly-driven Re+CO redox reaction at high-pressure and high-temperature *Nature Communications*, **2016**, 7, 13538	17.4	6
40	Pressure induced polymerization of fluid ethylene. *Journal of Chemical Physics*, **2016**, 145, 164504	3.9	6
39	Structure–Reactivity Relationship in the High-Pressure Formation of Double-Core Carbon Nanothreads from Azobenzene Crystal. *Journal of Physical Chemistry C*, **2021**, 125, 17174-17182	3.8	6
38	Melting dynamics of ice in the mesoscopic regime. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 5935-5940	11.5	5
37	The Photochemistry of Crystalline Nitromethane under Static Pressure. *Journal of Physical Chemistry C*, **2018**, 122, 2023-2031	3.8	5
36	Topochemical Polymerization of Phenylacetylene Macrocycles under Pressure. *Journal of Physical Chemistry C*, **2018**, 122, 20034-20039	3.8	5
35	Interlayer Bond Formation in Black Phosphorus at High Pressure. *Angewandte Chemie*, **2017**, 129, 14323-14328	3.6	5
34	Triggering the Chemical Instability of an Ionic Liquid under High Pressure. *Journal of Physical Chemistry B*, **2016**, 120, 9097-102	3.4	5
33	Infrared study of high-pressure molecular phases of carbon dioxide. *Low Temperature Physics*, **2006**, 32, 1067-1071	0.7	4
32	FTIR Study of Electronic Transitions in Solid Oxygen at High Pressure and Low Temperature. *Journal of Low Temperature Physics*, **2001**, 122, 323-330	1.3	4
31	Two-photon absorption of liquid pyridine: a study using thermal lensing and cars spectroscopy.. *Journal of Molecular Structure*, **1988**, 175, 147-152	3.4	4
30	Structure and reactivity of 2,4,6-tricyano-1,3,5-triazine under high-pressure conditions. *CrystEngComm*, **2019**, 21, 4493-4500	3.3	4
29	Pressure-induced amorphization and existence of molecular and polymeric amorphous forms in dense SO. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 8736-8742	11.5	3
28	Spray-loading: A cryogenic deposition method for diamond anvil cell. *Review of Scientific Instruments*, **2018**, 89, 053903	1.7	3

27	Spectroscopy and monitoring of high pressure phenomena. *Journal of Molecular Structure*, **2009**, 924-926, 2-8	3.4	3
26	Multiphoton absorption in crystalline biphenylene. *Journal of Luminescence*, **1992**, 53, 529-532	3.8	3
25	Crystal Structure and Non-Hydrostatic Stress-Induced Phase Transition of Urotropine Under High Pressure. *Chemistry - A European Journal*, **2021**, 27, 1094-1102	4.8	3
24	Extending the Stability Field of Polymeric Carbon Dioxide Phase V beyond the Earth's Geotherm. *Physical Review Letters*, **2021**, 126, 065701	7.4	3
23	High-Pressure Synthesis of 1D Low-Bandgap Polymers Embedded in Diamond-like Carbon Nanothreads. *Chemistry of Materials*, **2022**, 34, 2422-2428	9.6	3
22	Linear, Non-Conjugated Cyclic and Conjugated Cyclic Paraphenylene under Pressure. *Molecules*, **2019**, 24,	4.8	2
21	Structure and Reactivity of the Ionic Liquid 1-Allyl-3-methylimidazolium Iodide under High Pressure. *Journal of Physical Chemistry B*, **2019**, 123, 1822-1830	3.4	2
20	Probing high-pressure reactions in heterogeneous materials by Raman spectroscopy. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2014**, 229,	1	2
19	Picosecond optical parametric generator and amplifier for large temperature-jump. *Optics Express*, **2014**, 22, 30047-52	3.3	2
18	Extended spectroscopic studies of Ar(H2)2 at high pressure and low temperature. *Physica B: Condensed Matter*, **1999**, 265, 39-48	2.8	2
17	Measurement of the third-order non-resonant susceptibility of phtalate ion in solution and in a C6H4COOH□COOK crystal. *Journal of Luminescence*, **1992**, 53, 541-545	3.8	2
16	Lower excited electronic states of sulfur (S8): A two-photon study by the thermal lensing method. *Chemical Physics Letters*, **1988**, 151, 236-242	2.5	2
15	High pressure synthesis of phosphine from the elements and the discovery of the missing (PH)H tile. *Nature Communications*, **2020**, 11, 6125	17.4	2
14	Dense, Subnano Phase of Clustered O2. *Journal of Physical Chemistry C*, **2019**, 123, 9651-9657	3.8	1
13	Structural and Chemical Modifications of Carbon Dioxide on Transport to the Deep Earth. *Geophysical Monograph Series*, **2020**, 55-65	1.1	1
12	Pressure dependence of intersubband transitions in HgTe/Hg0.3Cd0.7Te superlattices. *Journal of Electronic Materials*, **2005**, 34, 811-814	1.9	1
11	Carbon enters silica forming a cristobalite-type CO-SiO solid solution. *Nature Communications*, **2016**, 7, 13417	17.4	1
10	Growth Dynamics of Crystalline Ar Hydrate. *Journal of Physical Chemistry C*, **2020**, 124, 10159-10166	3.8	1

9	High-Pressure Synthesis of Cyclic Phosphazenes by Near-UV Photoinduced Reactivity of NH3 and Elemental Phosphorus. *Journal of Physical Chemistry C*, **2020**, 124, 4308-4319	3.8	0
8	Single-Bonded Cubic AsN from High-Pressure and High-Temperature Chemical Reactivity of Arsenic and Nitrogen. *Angewandte Chemie*,e202114191	3.6	0
7	Accessing the Activation Mechanisms of Ethylene Photo-Polymerization under Pressure by Transient Infrared Absorption Spectroscopy. *Journal of Physical Chemistry B*, **2020**, 124, 8149-8157	3.4	0
6	Graphene oxide and simple molecules at high pressure: new perspectives for 2D nanoconfined chemistry of carbon based materials. *Journal of Physics: Conference Series*, **2017**, 950, 032014	0.3	
5	The role of high-pressure in the reactivity of simple molecules: implications in prebiotic chemistry. *Rendiconti Lincei*, **2011**, 22, 385-393	1.7	
4	Vibrational relaxation of three-phonon bound states in crystal CO2. *Journal of Molecular Structure*, **1992**, 266, 165-170	3.4	
3	High overtones investigation of non-equivalent C?H bonds in pyridine and 2,6-lutidine by thermal lensing spectroscopy. *Journal of Molecular Structure*, **1990**, 218, 117-122	3.4	
2	Insertion of Oxygen and Nitrogen in the Siliceous Zeolite TON at High Pressure. *Journal of Physical Chemistry C*, **2021**, 125, 19517-19524	3.8	
1	Modification of local and collective dynamics of water in perchlorate solution, induced by pressure and concentration. *Journal of Molecular Liquids*, **2021**, 337, 116273	6	