

# Ruggero Caminiti

## 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.

273  
papers

7,304  
citations

41  
h-index

67  
g-index

283  
ext. papers

7,738  
ext. citations

4  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
273	Assessing the Structure of Protic Ionic Liquids Based on Triethylammonium and Organic Acid Anions. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 2781-2792	3.4	8
272	Nonfluorinated Ionic Liquid Electrolytes for Lithium Metal Batteries: Ionic Conduction, Electrochemistry, and Interphase Formation. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003521	21.8	15
271	The unseen evidence of Reduced Ionicity: The elephant in (the) room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 324, 115069	6	9
270	Acidic Ionic Liquids Enabling Intermediate Temperature Operation Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8370-8382	9.5	7
269	On the nanoscopic structural heterogeneity of liquid -alkyl carboxylic acids. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 20282-20287	3.6	1
268	Disclosing the hierarchical structure of ionic liquid mixtures by multiscale computational methods <b>2021</b> , 1-67		0
267	Molecular Insight into Microstructural and Dynamical Heterogeneities in Magnesium Ionic Liquid Electrolytes.. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 105-111	6.4	0
266	Dual effect of humidity on cesium lead bromide: enhancement and degradation of perovskite films. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12292-12302	13	46
265	Statistic-Driven Proton Transfer Affecting Nanoscopic Organization in an Ethylammonium Nitrate Ionic Liquid and 1,4-Diaminobutane Binary Mixture: A Steamy Pizza Model. <i>Symmetry</i> , <b>2019</b> , 11, 1425	2.7	5
264	Gold is for the mistress, silver for the maid: Enhanced mechanical properties, osteoinduction and antibacterial activity due to iron doping of tricalcium phosphate bone cements. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 798-810	8.3	20
263	Structure and dynamics of propylammonium nitrate-acetonitrile mixtures: An intricate multi-scale system probed with experimental and theoretical techniques. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 134507	3.9	15
262	X-Ray structure and ionic conductivity studies of anhydrous and hydrated choline chloride and oxalic acid deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 30120-30124	3.6	22
261	Water and hexane in an ionic liquid: computational evidence of association under high pressure. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8661-8666	3.6	7
260	The Opposite Effect of Water and N-Methyl-2-Pyrrolidone Cosolvents on the Nanostructural Organization of Ethylammonium Butanoate Ionic Liquid: A Small- and Wide-Angle X-Ray Scattering and Molecular Dynamics Simulations Study. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6399-6407	3.4	3
259	Bio ionic liquids and water mixtures: a structural study. <i>RSC Advances</i> , <b>2017</b> , 7, 19338-19344	3.7	10
258	X-ray and molecular dynamics studies of butylammonium butanoate-water binary mixtures. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1975-1981	3.6	12
257	Phase Transition of TiO <sub>2</sub> Nanotubes: An X-ray Study as a Function of Temperature. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 24871-24876	3.8	5

256	Intriguing transport dynamics of ethylammonium nitrate-acetonitrile binary mixtures arising from nano-inhomogeneity. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 27212-27220	3.6	19
255	Biologically friendly room temperature ionic liquids and nanomaterials for the development of innovative enzymatic biosensors. <i>Talanta</i> , <b>2017</b> , 175, 566-572	6.2	26
254	A structural and theoretical study of the alkylammonium nitrates forefather: Liquid methylammonium nitrate. <i>Chemical Physics Letters</i> , <b>2017</b> , 684, 304-309	2.5	7
253	Inhomogeneity in Ethylammonium Nitrate-Acetonitrile Binary Mixtures: The Highest "Low q Excess" Reported to Date. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3512-3522	6.4	18
252	A joint experimental and computational study on ethylammonium nitrate-ethylene glycol 1:1 mixture. Structural, kinetic, dynamic and spectroscopic properties. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 226, 2-8	6	14
251	Structural characterization of propylammonium nitrate and N-methyl-2-pyrrolidone mixtures. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 226, 9-15	6	0
250	Does High Pressure Induce Structural Reorganization in Linear Alcohols? A Computational Answer. <i>ChemPhysChem</i> , <b>2016</b> , 17, 3023-3029	3.2	10
249	Dose influence on the PMMA e-resist for the development of high-aspect ratio and reproducible sub-micrometric structures by electron beam lithography <b>2016</b> ,		3
248	Chloromethyl-oxirane and chloromethyl-thiirane in liquid phase: A joint experimental and quantum chemical study. <i>Chemical Physics</i> , <b>2016</b> , 473, 24-31	2.3	7
247	A new insight into the nanostructure of alkylammonium alkanoates based ionic liquids in water. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 11497-502	3.6	12
246	Pressure-induced mesoscopic disorder in protic ionic liquids: first computational study. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 2297-302	3.6	39
245	Choline salicylate ionic liquid by X-ray scattering, vibrational spectroscopy and molecular dynamics. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 218, 39-49	6	13
244	Silver-Doped Calcium Phosphate Bone Cements with Antibacterial Properties. <i>Journal of Functional Biomaterials</i> , <b>2016</b> , 7,	4.8	24
243	Structural and vibrational study of 2-MethoxyEthylAmmonium Nitrate (2-OMeEAN): Interpretation of experimental results with ab initio molecular dynamics. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 024507-9		9
242	Stabilization of the Tensile Strength of Aged Cellulose Paper by Cholinium-Amino Acid Ionic Liquid Treatment. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24088-24097	3.8	18
241	Nanoscale Density Fluctuations in Ionic Liquid Binary Mixtures with Nonamphiphilic Compounds: First Experimental Evidence. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 10540-10546	3.4	20
240	Zinc-releasing calcium phosphate cements for bone substitute materials. <i>Ceramics International</i> , <b>2016</b> , 42, 17310-17316	5.1	21
239	Structure of a Binary Mixture of Ethylammonium Nitrate and Methanol. <i>Journal of Solution Chemistry</i> , <b>2015</b> , 44, 669-685	1.8	26

238	Cholinium-amino acid based ionic liquids: a new method of synthesis and physico-chemical characterization. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 20687-98	3.6	108
237	Is a medium-range order pre-peak possible for ionic liquids without an aliphatic chain?. <i>RSC Advances</i> , <b>2015</b> , 5, 50938-50941	3.7	29
236	Structural studies on choline-carboxylate bio-ionic liquids by x-ray scattering and molecular dynamics. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 114506	3.9	23
235	Two different models to predict ionic-liquid diffraction patterns: fixed-charge versus polarizable potentials. <i>ChemPhysChem</i> , <b>2015</b> , 16, 197-203	3.2	27
234	Association in ethylammonium nitrate–dimethyl sulfoxide mixtures: First structural and dynamical evidences. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 407, 333-338	3.9	27
233	Visually-guided correction of hand reaching movements: The neurophysiological bases in the cerebral cortex. <i>Vision Research</i> , <b>2015</b> , 110, 244-56	2.1	41
232	Interaction and dynamics of ionic liquids based on choline and amino acid anions. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 234502	3.9	43
231	Synthesis and Small and Wide Angle X-Ray Scattering Characterization of L-Proline Based Chiral Ionic Liquids. <i>Current Organic Chemistry</i> , <b>2015</b> , 19, 99-104	1.7	3
230	Structural organization in a methanol:ethylammonium nitrate (1:4) mixture: A joint X-ray/Neutron diffraction and computational study. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 947-956	6	14
229	How does lithium nitrate dissolve in a protic ionic liquid?. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 205, 16-21	6	50
228	The structural organization of N-methyl-2-pyrrolidone + water mixtures: a densitometry, x-ray diffraction, and molecular dynamics study. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 124503	3.9	27
227	NMR, calorimetry, and computational studies of aqueous solutions of N-methyl-2-pyrrolidone. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 10493-502	3.4	19
226	Amino acid anions in organic ionic compounds. An ab initio study of selected ion pairs. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 2471-86	3.4	40
225	Amphiphile Meets Amphiphile: Beyond the Polar-Apolar Dualism in Ionic Liquid/Alcohol Mixtures. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1738-42	6.4	57
224	X-Ray Diffraction Studies of Ionic Liquids: From Spectra to Structure and Back. <i>Soft and Biological Matter</i> , <b>2014</b> , 1-37	0.8	1
223	Structural Organization in Neat Ionic Liquids and in Their Mixtures. <i>Soft and Biological Matter</i> , <b>2014</b> , 39-61	3.8	10
222	A prototypical ionic liquid explored by ab initio molecular dynamics and Raman spectroscopy. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 144309	3.9	34
221	Mesoscopic structural organization in triphilic room temperature ionic liquids. <i>Faraday Discussions</i> , <b>2013</b> , 167, 499-513	3.6	65

220	Physico-chemical properties and nanoscale morphology in N-alkyl-N-methylmorpholinium dicyanamide room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2013</b> , 187, 252-259	6	17
219	A combined theoretical and experimental study of solid octyl and decylammonium chlorides and of their aqueous solutions. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 7806-18	3.4	43
218	Conformational isomerisms and nano-aggregation in substituted alkylammonium nitrates ionic liquids: an x-ray and computational study of 2-methoxyethylammonium nitrate. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 184506	3.9	27
217	Bioactive glass/ceramic coatings prepared by pulsed laser deposition from RKKP targets (sol-gel vs melt-processing route). <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 1130-1137	5.1	22
216	Single-phase bone cement based on dicalcium phosphate dihydrate powder and sodium silicate solution. <i>Materials Letters</i> , <b>2012</b> , 73, 115-118	3.3	18
215	Structural study of octacalcium phosphate bone cement conversion in vitro. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6202-10	9.5	19
214	Comparing intermediate range order for alkyl- vs. ether-substituted cations in ionic liquids. <i>Chemical Communications</i> , <b>2012</b> , 48, 4959-61	5.8	100
213	Role of ionic liquids in protein refolding: native/fibrillar versus treated lysozyme. <i>RSC Advances</i> , <b>2012</b> , 2, 12329	3.7	35
212	The interpretation of diffraction patterns of two prototypical protic ionic liquids: a challenging task for classical molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 13024-32	3.4	59
211	Mesoscopic Structural Heterogeneities in Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 27-33	6.4	320
210	Two-Dimensional Networks of Ag Nanoparticles Bridged by Organometallic Ligand. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 15795-15800	3.8	28
209	Crystal polymorphism of hexylammonium chloride and structural properties of its mixtures with water. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 2104-13	3.4	29
208	Nickel(II) 3,4,9,10-perylenediimide bis-phosphonate pentahydrate: a metal-organic ferromagnetic dye. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 7332-9	5.1	7
207	Liquid structure of 1-ethyl-3-methylimidazolium alkyl sulfates by X-ray scattering and molecular dynamics. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 13448-58	3.4	36
206	Time-resolved morphological study of PEDOT:PSS hole transporting layer for polymer solar cells. <i>Synthetic Metals</i> , <b>2012</b> , 162, 808-812	3.6	12
205	Identification Techniques II. <i>Lecture Notes in Quantum Chemistry II</i> , <b>2012</b> , 91-161	0.6	
204	The structure of liquid N-methyl pyrrolidone probed by x-ray scattering and molecular simulations. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 074505	3.9	18
203	ADSORPTION STATES AND SITE CONVERSIONS OF PHENYLACETYLENE ON Si(100)2 × 1 CALCULATED BY DFT. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2012</b> , 11, 1089-1099	1.8	17

202	Structure of the molten salt methyl ammonium nitrate explored by experiments and theory. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 13149-61	3-4	49
201	Structure of geminal imidazolium bis(trifluoromethylsulfonyl)imide dicationic ionic liquids: a theoretical study of the liquid phase. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 14341-7	3-4	35
200	Structural characterization of zinc(II) chloride in aqueous solution and in the protic ionic liquid ethyl ammonium nitrate by x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 154509	3-9	31
199	Structural/morphological monitoring approach to stability and durability issues of photoactive films for organic solar cells. <i>Chemical Physics Letters</i> , <b>2011</b> , 504, 216-220	2-5	7
198	Segregation into domains observed in liquid crystal phases: comparison of experimental and theoretical data. <i>Soft Matter</i> , <b>2011</b> , 7, 3392	3-6	2
197	Liquid structure of 1-alkyl-3-methylimidazolium-hexafluorophosphates by wide angle x-ray and neutron scattering and molecular dynamics. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 114521	3-9	79
196	Thermal and structural properties of ethylammonium chloride and its mixture with water. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 4887-99	3-4	32
195	Superhard tungsten tetraboride films prepared by pulsed laser deposition method. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 3738-43	9-5	44
194	Crystal polymorphism of propylammonium chloride and structural properties of its mixture with water. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 11805-15	3-4	15
193	X-Ray absorption spectroscopy investigation of 1-alkyl-3-methylimidazolium bromide salts. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 074505	3-9	29
192	Deep versus Shallow Behavior of Intrinsic Defects in Rutile and Anatase TiO <sub>2</sub> Polymorphs. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21694-21704	3-8	126
191	Organometallic oligomer resolved by radial distribution function of X-ray diffraction analysis. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 2359-64	3-4	4
190	Structural Determination of Ionic Liquids with Theoretical Methods: C8mimBr and C8mimCl. Strength and Weakness of Current Force Fields. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1095-1100	6-4	31
189	Effect of cholesterol on the formation and hydration behavior of solid-supported niosomal membranes. <i>Langmuir</i> , <b>2010</b> , 26, 2268-73	4	37
188	The structure of geminal imidazolium bis(trifluoromethylsulfonyl)amide ionic liquids: a theoretical study of the gas phase ionic complexes. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 12506-12	2-8	22
187	Structural properties of 1-alkyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide ionic liquids: X-ray diffraction data and molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 16398-407	3-4	92
186	Are PEI-coated SWCNTs conjugated with hepatitis A virus? A chemical study with SEM, Z-potential, EDXD and RT-PCR. <i>Biomedical Materials (Bristol)</i> , <b>2010</b> , 5, 35001	3-5	8
185	Selected chemical/physical properties and structural heterogeneities in 1-ethyl-3-methylimidazolium alkyl-sulfate room temperature ionic liquids. <i>Chemical Physics Letters</i> , <b>2010</b> , 493, 259-262	2-5	77

184	Effect of hydration on the structure of caveolae membranes. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 153901	3.4	5
183	An energy dispersive x-ray scattering and molecular dynamics study of liquid dimethyl carbonate. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 244503	3.9	42
182	Surface area of lipid membranes regulates the DNA-binding capacity of cationic liposomes. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 033903	3.4	10
181	Coverage effects on phenol adsorption on Si(100)2 $\times$ 1 as: A first principle calculation. <i>Surface Science</i> , <b>2009</b> , 603, 611-619	1.8	11
180	What can we learn by comparing experimental and theoretical-computational X-ray scattering data?. <i>Journal of Molecular Liquids</i> , <b>2009</b> , 144, 9-12	6	3
179	Kinetics of alpha-PcCu --> beta-PcCu isothermal conversion in air and thermal behavior of beta-PcCu from in situ real-time laboratory parallel-beam X-ray powder diffraction. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 7774-8	2.8	8
178	Toward the rational design of lipid gene vectors: shape coupling between lipoplex and anionic cellular lipids controls the phase evolution of lipoplexes and the efficiency of DNA release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 2237-49	9.5	39
177	Liquid structure of trihexyltetradecylphosphonium chloride at ambient temperature: an X-ray scattering and simulation study. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9235-40	3.4	84
176	Efficient escape from endosomes determines the superior efficiency of multicomponent lipoplexes. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 4995-7	3.4	32
175	Ab initio Theoretical Investigation of Phthalocyanine Semiconductor Hybrid Systems. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4555-4567	9.6	25
174	Morphology and intermolecular dynamics of 1-alkyl-3-methylimidazolium bis((trifluoromethane)sulfonyl)amide ionic liquids: structural and dynamic evidence of nanoscale segregation. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 424121	1.8	210
173	Effect of pH on the structure of lipoplexes. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 014701	2.5	6
172	Enhanced transfection efficiency of multicomponent lipoplexes in the regime of optimal membrane charge density. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11298-304	3.4	34
171	Short Hydrogen Bonds at the Water/TiO <sub>2</sub> (Anatase) Interface. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 13579-13586	3.8	61
170	Theoretical design of coupled organic-inorganic systems. <i>Physical Review Letters</i> , <b>2008</b> , 101, 126805	7.4	13
169	Kinetics of gypsum dehydration at reduced pressure: an energy dispersive X-ray diffraction study. <i>European Journal of Mineralogy</i> , <b>2008</b> , 20, 621-627	2.2	35
168	Gas sensing (RuPc) <sub>2</sub> thin films: Electrical response to NO <sub>2</sub> gas and morphological changes induced by external moisture. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 134, 396-402	8.5	7
167	Real-time electrical and morphological characterizations of gas sensing Ti(Pc) <sub>2</sub> devices under working conditions. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 129, 134-138	8.5	3

166	Effect of hydration on the structure of solid-supported Niosomal membranes investigated by in situ energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , <b>2008</b> , 462, 307-312	2.5	16
165	Fragmentation pathways of acetic acid upon adsorption on Si(100)2 $\times$ 1. <i>Surface Science</i> , <b>2008</b> , 602, 852-858	8.8	17
164	The use of energy dispersive X-ray diffraction (EDXD) for the investigation of the structural and compositional features of old and modern papers. <i>Microchemical Journal</i> , <b>2008</b> , 88, 107-112	4.8	5
163	A study of cyclohexane, piperidine and morpholine with X-ray diffraction and molecular simulations. <i>Journal of Molecular Liquids</i> , <b>2008</b> , 139, 23-28	6	27
162	Dimerisation of urea in water solution: a quantum mechanical investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 2206-15	3.6	31
161	Interaction of lipoplexes with anionic lipids resulting in DNA release is a two-stage process. <i>Langmuir</i> , <b>2007</b> , 23, 8713-7	4	28
160	Structural stability against disintegration by anionic lipids rationalizes the efficiency of cationic liposome/DNA complexes. <i>Langmuir</i> , <b>2007</b> , 23, 4498-508	4	41
159	Observation of a rectangular DNA superlattice in the liquid-crystalline phase of cationic lipid/DNA complexes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10092-3	16.4	15
158	Role of the spacer stereochemistry on the structure of solid-supported gemini surfactants aggregates. <i>Langmuir</i> , <b>2007</b> , 23, 10040-3	4	9
157	Supramolecular organization of toluidine blue dye in solid amorphous phases. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 1994-9	3.4	10
156	Energy dispersive X-ray diffraction potentiality in the field of cultural heritage: simultaneous structural and elemental analysis of various artefacts. <i>Annali Di Chimica</i> , <b>2007</b> , 97, 473-90		1
155	Supramolecular Structure of Extrinsicly Chiral Porphyrin Hetero-Assemblies and Achiral Analogues. <i>Advanced Materials</i> , <b>2007</b> , 19, 3961-3967	24	19
154	Small-angle energy-dispersive X-ray scattering using a laboratory-based diffractometer with a conventional source. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, 218-231	3.8	4
153	A NANOSTRUCTURED POLYMORPH OF $\text{EDXOBIS(PHTHALOCYANINATOIRON(III))}$ STUDIED BY ANGULAR AND ENERGY DISPERSIVE X-RAY DIFFRACTION. <i>Nano</i> , <b>2007</b> , 02, 121-128	1.1	2
152	On the correlation between phase evolution of lipoplexes/anionic lipid mixtures and DNA release. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 143903	3.4	7
151	C 1s core-level photoemission spectra of stilbene on Si(100)2 $\times$ 1 surface from first-principles calculations. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	7
150	Dissociative versus molecular adsorption of phenol on Si(100)2 $\times$ 1: A first-principles calculation. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	19
149	Hydration effect on the structure of dioleoylphosphatidylcholine bilayers. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 183901	3.4	13



148	Transfection efficiency boost by designer multicomponent lipoplexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 2280-92	3.8	49
147	Enhancing the Gas-Sensing Properties of (RuPc) <sub>2</sub> Thin Films by Thermally Induced Morphological Stabilizing Effects. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 12045-12051	3.8	9
146	Is the formation of cationic lipid-DNA complexes a thermodynamically driven phenomenon? Structure and phase behavior of DC-Chol/DNA complexes say not. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 043901	3.4	6
145	In situ energy dispersive x-ray reflectometry to investigate the (RuPc) <sub>2</sub> /Ox interaction process evidenced by ex situ measurements. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 044901	2.5	4
144	DNA release from cationic liposome/DNA complexes by anionic lipids. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 233903	3.4	11
143	Morphological variations as nonstandard test parameters for the response to pollutant gas concentration: An application to Ruthenium Phthalocyanine sensing films. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 104106	3.4	10
142	Structure and phase behavior of self-assembled DPPC-DNA-metal cation complexes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13203-11	3.4	21
141	One-dimensional thermotropic dilatation area of lipid headgroups within lamellar lipid/DNA complexes. <i>Langmuir</i> , <b>2006</b> , 22, 4267-73	4	23
140	Polyethylene Structure as a Function of Temperature: An EDXD Investigation. <i>Journal of Macromolecular Science - Physics</i> , <b>2006</b> , 45, 1005-1014	1.4	4
139	Conformational changes of bovine beta-trypsin and trypsinogen induced by divalent ions: an energy-dispersive X-ray diffraction and functional study. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 449, 157-63	4.1	2
138	Energy dispersive X-ray diffraction and molecular dynamics meet: The structure of liquid pyrrole. <i>Chemical Physics Letters</i> , <b>2006</b> , 417, 200-205	2.5	32
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16	X-Ray Diffraction Study of a Concentrated Al(NO <sub>3</sub> ) <sub>3</sub> Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>1980</b> , 35, 1368-1372	1.4	36
15	Interactions and structure in aqueous NaNO <sub>3</sub> solutions. <i>Journal of Chemical Physics</i> , <b>1980</b> , 72, 4522-4528	3.9	72
14	X-ray diffraction study of MgCl <sub>2</sub> aqueous solutions. <i>Journal of Applied Crystallography</i> , <b>1979</b> , 12, 34-38	3.8	63
13	Analysis of two-dimensional reflections from a fine-particle carbon. <i>Journal of Applied Crystallography</i> , <b>1979</b> , 12, 551-553	3.8	1
12	Experimental evidence of interactions SO <sub>2</sub> · H <sub>2</sub> O in an aqueous solution. <i>Chemical Physics Letters</i> , <b>1979</b> , 64, 391-395	2.5	28
11	Order phenomena in aqueous AlCl <sub>3</sub> solutions. <i>Journal of Chemical Physics</i> , <b>1979</b> , 71, 2473-2476	3.9	56
10	An X-ray diffraction study on the first and the second hydration shell of the Fe(III) ion in nitrate solutions. <i>Chemical Physics Letters</i> , <b>1979</b> , 61, 40-44	2.5	27
9	Diffraction of X-rays and hydration phenomena in aqueous solutions of Mg(NO <sub>3</sub> ) <sub>2</sub> . <i>Chemical Physics Letters</i> , <b>1979</b> , 61, 45-49	2.5	32
8	Small-angle maxima and cation-cation distances. Differences between iron nitrate and perchlorate solutions. <i>Chemical Physics Letters</i> , <b>1978</b> , 54, 600-602	2.5	10
7	On NO <sub>2</sub> · H <sub>2</sub> O interactions in aqueous solutions. <i>Journal of Chemical Physics</i> , <b>1978</b> , 68, 1967-1970	3.9	63
6	Hydration water · external water interactions around Cr <sup>3+</sup> ions. <i>Journal of Chemical Physics</i> , <b>1978</b> , 69, 1	3.9	46
5	X-ray diffraction and structure of NiCl <sub>2</sub> aqueous solutions. <i>Faraday Discussions of the Chemical Society</i> , <b>1977</b> , 64, 62		28



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| 4 | On the structure of highly concentrated iron(III) salt solutions. <i>Journal of Inorganic and Nuclear Chemistry</i> , <b>1977</b> , 39, 91-94        |     | 36 |
| 3 | X-ray diffraction study of Cr(NO <sub>3</sub> ) <sub>3</sub> aqueous solutions. <i>Chemical Physics</i> , <b>1977</b> , 19, 371-376                  | 2.3 | 31 |
| 2 | X-ray diffraction study of a three-ion aqueous solution. <i>Chemical Physics Letters</i> , <b>1977</b> , 47, 275-278                                 | 2.5 | 49 |
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