

Ruggero Caminiti

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273
papers

7,304
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41
h-index

67
g-index

283
ext. papers

7,738
ext. citations

4
avg, IF

5.73
L-index

#	Paper	IF	Citations
273	Physical and Chemical Properties of Nanocomposite Polymer Electrolytes. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 10632-10638	3.4	451
272	Mesoscopic Structural Heterogeneities in Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 27-33	6.4	320
271	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> , 2009 , 21, 424121	1.8	210
270	Deep versus Shallow Behavior of Intrinsic Defects in Rutile and Anatase TiO ₂ Polymorphs. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21694-21704	3.8	126
269	The kinetics of phase transitions observed by energy-dispersive X-ray diffraction. <i>International Reviews in Physical Chemistry</i> , 1999 , 18, 263-299	7	113
268	Cholinium-amino acid based ionic liquids: a new method of synthesis and physico-chemical characterization. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 20687-98	3.6	108
267	Comparing intermediate range order for alkyl- vs. ether-substituted cations in ionic liquids. <i>Chemical Communications</i> , 2012 , 48, 4959-61	5.8	100
266	Characterization of Nanocrystalline Fe ₂ O ₃ Prepared by Wet Chemical Method. <i>Journal of Materials Research</i> , 1999 , 14, 1570-1575	2.5	98
265	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> , 2010 , 114, 16398-407	3.4	92
264	X-ray Powder Diffraction Structure Reinvestigation of the High and Low Temperature Forms of Cobalt Phthalocyanine and Kinetics of the High to Low Temperature Phase Transition. <i>Journal of the American Chemical Society</i> , 1998 , 120, 12798-12807	16.4	91
263	Divalent metal acetate complexes in concentrated aqueous solutions. An x-ray diffraction and NMR spectroscopy study. <i>Journal of Chemical Physics</i> , 1984 , 81, 543-551	3.9	88
262	Liquid structure of trihexyltetradecylphosphonium chloride at ambient temperature: an X-ray scattering and simulation study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 9235-40	3.4	84
261	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> , 2011 , 134, 114521	3.9	79
260	Selected chemical and physical properties and structural heterogeneities in 1-ethyl-3-methylimidazolium alkyl-sulfate room temperature ionic liquids. <i>Chemical Physics Letters</i> , 2010 , 493, 259-262	2.5	77
259	Preparation and structural characterization of polymer-supported methylrhenium trioxide systems as efficient and selective catalysts for the epoxidation of olefins. <i>Journal of Organic Chemistry</i> , 2002 , 67, 1323-32	4.2	75
258	Ruthenium Phthalocyanine: Structure, Magnetism, Electrical Conductivity Properties, and Role in Dioxygen Activation and Oxygen Atom Transfer to 1-Octene. <i>Inorganic Chemistry</i> , 1994 , 33, 4635-4640	5.1	72
257	Interactions and structure in aqueous NaNO ₃ solutions. <i>Journal of Chemical Physics</i> , 1980 , 72, 4522-4528	3.9	72

256	Mesoscopic structural organization in triphilic room temperature ionic liquids. <i>Faraday Discussions</i> , 2013 , 167, 499-513	3.6	65
255	The monoclinic I2 structure of bassanite, calcium sulphate hemihydrate (CaSO ₄ 0.5H ₂ O). <i>European Journal of Mineralogy</i> , 2001 , 13, 985-993	2.2	65
254	X-ray diffraction study of MgCl ₂ aqueous solutions. <i>Journal of Applied Crystallography</i> , 1979 , 12, 34-38	3.8	63
253	On NO ₃ ⁻ /H ₂ O interactions in aqueous solutions. <i>Journal of Chemical Physics</i> , 1978 , 68, 1967-1970	3.9	63
252	Rietveld refinements on laboratory energy dispersive X-ray diffraction (EDXD) data. <i>Journal of Applied Crystallography</i> , 2001 , 34, 757-762	3.8	62
251	Short Hydrogen Bonds at the Water/TiO ₂ (Anatase) Interface. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13579-13586	3.8	61
250	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> , 2012 , 116, 13024-32	3.4	59
249	Amphiphile Meets Amphiphile: Beyond the Polar-Apolar Dualism in Ionic Liquid/Alcohol Mixtures. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1738-42	6.4	57
248	Multicomponent cationic lipid-DNA complex formation: role of lipid mixing. <i>Langmuir</i> , 2005 , 21, 11582-74		57
247	Structural characterization of complexes between iminodiacetate blocked on styrene-divinylbenzene matrix (Chelex 100 resin) and Fe(III), Cr(III), and Zn(II) in solid phase by energy-dispersive X-ray diffraction. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2552-8	16.4	56
246	Order phenomena in aqueous AlCl ₃ solutions. <i>Journal of Chemical Physics</i> , 1979 , 71, 2473-2476	3.9	56
245	How does lithium nitrate dissolve in a protic ionic liquid?. <i>Journal of Molecular Liquids</i> , 2015 , 205, 16-21	6	50
244	Structure of the molten salt methyl ammonium nitrate explored by experiments and theory. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 13149-61	3.4	49
243	Transfection efficiency boost by designer multicomponent lipoplexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 2280-92	3.8	49
242	X-ray diffraction study of a three-ion aqueous solution. <i>Chemical Physics Letters</i> , 1977 , 47, 275-278	2.5	49
241	Structural study by energy dispersive X-ray diffraction of amorphous mixed hydroxycarbonates containing Co, Cu, Zn, Al. <i>Journal of Materials Chemistry</i> , 1996 , 6, 1709		48
240	Dual effect of humidity on cesium lead bromide: enhancement and degradation of perovskite films. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12292-12302	13	46
239	X-ray diffraction study of aqueous SrCl ₂ solutions. <i>Journal of Applied Crystallography</i> , 1982 , 15, 482-487	3.8	46

238	Hydration water External water interactions around Cr ³⁺ ions. <i>Journal of Chemical Physics</i> , 1978 , 69, 1	3.9	46
237	Superhard tungsten tetraboride films prepared by pulsed laser deposition method. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3738-43	9.5	44
236	Interaction and dynamics of ionic liquids based on choline and amino acid anions. <i>Journal of Chemical Physics</i> , 2015 , 142, 234502	3.9	43
235	A combined theoretical and experimental study of solid octyl and decylammonium chlorides and of their aqueous solutions. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7806-18	3.4	43
234	An energy dispersive x-ray scattering and molecular dynamics study of liquid dimethyl carbonate. <i>Journal of Chemical Physics</i> , 2009 , 131, 244503	3.9	42
233	Visually-guided correction of hand reaching movements: The neurophysiological bases in the cerebral cortex. <i>Vision Research</i> , 2015 , 110, 244-56	2.1	41
232	Structural stability against disintegration by anionic lipids rationalizes the efficiency of cationic liposome/DNA complexes. <i>Langmuir</i> , 2007 , 23, 4498-508	4	41
231	Amino acid anions in organic ionic compounds. An ab initio study of selected ion pairs. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 2471-86	3.4	40
230	Solute structuring in aqueous [Cr(H ₂ O) ₆]Cl ₃ . <i>Journal of Chemical Physics</i> , 1976 , 65, 3134-3138	3.9	40
229	Pressure-induced mesoscopic disorder in protic ionic liquids: first computational study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2297-302	3.6	39
228	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 & Interfaces</i> , 2009 , 1, 2237-49	9.5	39
227	Palladium (II) and platinum (II) aqueous solutions. Evidence for the solvation of the [PdCl ₄] ²⁻ and [PtCl ₄] ²⁻ ions. <i>Journal of Molecular Liquids</i> , 1998 , 75, 149-158	6	39
226	On the Structures of Cadmium Sulfate Complexes in Aqueous Solutions.. <i>Acta Chemica Scandinavica</i> , 1981 , 35a, 373-381		39
225	Structural characterization of a new lipid/DNA complex showing a selective transfection efficiency in ovarian cancer cells. <i>European Physical Journal E</i> , 2003 , 10, 331-6	1.5	38
224	Effect of cholesterol on the formation and hydration behavior of solid-supported niosomal membranes. <i>Langmuir</i> , 2010 , 26, 2268-73	4	37
223	Liquid structure of 1-ethyl-3-methylimidazolium alkyl sulfates by X-ray scattering and molecular dynamics. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 13448-58	3.4	36
222	X-Ray Diffraction Study of a Concentrated Al(NO ₃) ₃ Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1980 , 35, 1368-1372	1.4	36
221	On the structure of highly concentrated iron(III) salt solutions. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1977 , 39, 91-94		36

220	Role of ionic liquids in protein refolding: native/fibrillar versus treated lysozyme. <i>RSC Advances</i> , 2012 , 2, 12329	3.7	35
219	Structure of geminal imidazolium bis(trifluoromethylsulfonyl)imide dicationic ionic liquids: a theoretical study of the liquid phase. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14341-7	3.4	35
218	Kinetics of gypsum dehydration at reduced pressure: an energy dispersive X-ray diffraction study. <i>European Journal of Mineralogy</i> , 2008 , 20, 621-627	2.2	35
217	A new technique for the study of phase transitions by means of energy dispersive x-ray diffraction. Application to polymeric samples. <i>Journal of Macromolecular Science - Physics</i> , 1996 , 35, 199-213	1.4	35
216	X-Ray Diffraction and Structural Properties of Aqueous Solutions of Divalent Metal-Chlorides. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1980 , 35, 1361-1367	1.4	35
215	A prototypical ionic liquid explored by ab initio molecular dynamics and Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2013 , 139, 144309	3.9	34
214	Enhanced transfection efficiency of multicomponent lipoplexes in the regime of optimal membrane charge density. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11298-304	3.4	34
213	Self-assembly of cationic liposomes-DNA complexes: a structural and thermodynamic study by EDXD. <i>Chemical Physics Letters</i> , 2002 , 351, 222-228	2.5	34
212	Thermal and structural properties of ethylammonium chloride and its mixture with water. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4887-99	3.4	32
211	Efficient escape from endosomes determines the superior efficiency of multicomponent lipoplexes. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4995-7	3.4	32
210	Energy dispersive X-ray diffraction and molecular dynamics meet: The structure of liquid pyrrole. <i>Chemical Physics Letters</i> , 2006 , 417, 200-205	2.5	32
209	Diffraction of X-rays and hydration phenomena in aqueous solutions of Mg(NO ₃) ₂ . <i>Chemical Physics Letters</i> , 1979 , 61, 45-49	2.5	32
208	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> , 2011 , 135, 154509	3.9	31
207	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> , 2010 , 1, 1095-1100	6.4	31
206	Molecular Dynamics Simulations Combined with Large Angle X-ray Scattering Technique for the Determination of the Structure, Conformation, and Conformational Dynamics of Polyphosphazenes in Amorphous Phase: Study of Poly[di(4-methylphenoxy)phosphazene]. <i>Journal of the American Chemical Society</i> , 1997 , 119, 2196-2204	16.4	31
205	Dimerisation of urea in water solution: a quantum mechanical investigation. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 2206-15	3.6	31
204	Lipid mixing upon deoxyribonucleic acid-induced liposomes fusion investigated by synchrotron small-angle x-ray scattering. <i>Applied Physics Letters</i> , 2005 , 87, 133901	3.4	31
203	Any x-ray diffraction study on SO ₂ -H ₂ O interactions in the presence of nickel and magnesium ions. <i>Chemical Physics Letters</i> , 1982 , 88, 103-108	2.5	31

202	X-ray diffraction study of Cr(NO ₃) ₃ aqueous solutions. <i>Chemical Physics</i> , 1977 , 19, 371-376	2.3	31
201	Is a medium-range order pre-peak possible for ionic liquids without an aliphatic chain?. <i>RSC Advances</i> , 2015 , 5, 50938-50941	3.7	29
200	Crystal polymorphism of hexylammonium chloride and structural properties of its mixtures with water. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2104-13	3.4	29
199	X-Ray absorption spectroscopy investigation of 1-alkyl-3-methylimidazolium bromide salts. <i>Journal of Chemical Physics</i> , 2011 , 135, 074505	3.9	29
198	Molecular aggregation phenomena in solution: an energy dispersive X-ray diffraction study of concentrated imidazole water solutions. <i>Chemical Physics Letters</i> , 1999 , 301, 131-137	2.5	29
197	Two-Dimensional Networks of Ag Nanoparticles Bridged by Organometallic Ligand. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15795-15800	3.8	28
196	Interaction of lipoplexes with anionic lipids resulting in DNA release is a two-stage process. <i>Langmuir</i> , 2007 , 23, 8713-7	4	28
195	Ruthenium Phthalocyanine and Its Reaction with Dioxygen: Synthesis, Structure, Magnetism, and Electrical Conductivity Properties of the Cofacially Assembled Ruthenoxane Aggregate of Formula HO[(Pc)RuO] _n H (Average n = 11). <i>Inorganic Chemistry</i> , 1996 , 35, 4643-4648	5.1	28
194	Experimental evidence of interactions SO ₂ ⋯ H ₂ O in an aqueous solution. <i>Chemical Physics Letters</i> , 1979 , 64, 391-395	2.5	28
193	X-ray diffraction and structure of NiCl ₂ aqueous solutions. <i>Faraday Discussions of the Chemical Society</i> , 1977 , 64, 62		28
192	Two different models to predict ionic-liquid diffraction patterns: fixed-charge versus polarizable potentials. <i>ChemPhysChem</i> , 2015 , 16, 197-203	3.2	27
191	Association in ethylammonium nitrate/dimethyl sulfoxide mixtures: First structural and dynamical evidences. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 333-338	3.9	27
190	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> , 2014 , 140, 124503	3.9	27
189	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> , 2013 , 138, 184506	3.9	27
188	A study of cyclohexane, piperidine and morpholine with X-ray diffraction and molecular simulations. <i>Journal of Molecular Liquids</i> , 2008 , 139, 23-28	6	27
187	How lipid hydration and temperature affect the structure of DC-Chol/DOPE/DNA lipoplexes. <i>Chemical Physics Letters</i> , 2006 , 422, 439-445	2.5	27
186	Do DC-Chol/DOPE-DNA complexes really form an inverted hexagonal phase?. <i>Chemical Physics Letters</i> , 2005 , 411, 327-332	2.5	27
185	Structure of Polyethylene from X-Ray Powder Diffraction: Influence of the Amorphous Fraction on Data Analysis. <i>Journal of Macromolecular Science - Physics</i> , 2000 , 39, 481-492	1.4	27

184	An X-ray diffraction study of the structure of the aqua indium(III) ion in indium sulphate solution. <i>Chemical Physics Letters</i> , 1981 , 82, 487-491	2.5	27
183	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> , 1979 , 61, 40-44	2.5	27
182	Structure of a Binary Mixture of Ethylammonium Nitrate and Methanol. <i>Journal of Solution Chemistry</i> , 2015 , 44, 669-685	1.8	26
181	Biologically friendly room temperature ionic liquids and nanomaterials for the development of innovative enzymatic biosensors. <i>Talanta</i> , 2017 , 175, 566-572	6.2	26
180	Conductivity and Structure of Poly(ethylene glycol) Complexes Using Energy Dispersive X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 10348-10355	3.4	26
179	N,N-Dialkylcarbamato complexes as precursors for the chemical implantation of metal cations on a silica support. Part I. Tin. <i>Journal of Molecular Catalysis A</i> , 1996 , 108, L113-L117		26
178	Ab initio Theoretical Investigation of Phthalocyanine Semiconductor Hybrid Systems. <i>Chemistry of Materials</i> , 2009 , 21, 4555-4567	9.6	25
177	DNADNA electrostatic interactions within cationic lipid/DNA lamellar complexes. <i>Chemical Physics Letters</i> , 2004 , 400, 314-319	2.5	25
176	Study of the Multiple Melting in Polymeric Materials by EDXD-PT. DSC Compared Application to Poly(ethylene-succinate). <i>Chemistry of Materials</i> , 2000 , 12, 369-375	9.6	25
175	XPS and LAXS study of 1,3-thiazolidine-2-thione and its complexes with Co(II) and Zn(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995 , 51, 11-20	4.4	24
174	Investigation on the structure of cadmium nitrate aqueous solutions by x-ray diffraction and Raman spectroscopy. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 2382-2386		24
173	Silver-Doped Calcium Phosphate Bone Cements with Antibacterial Properties. <i>Journal of Functional Biomaterials</i> , 2016 , 7,	4.8	24
172	Structural studies on choline-carboxylate bio-ionic liquids by x-ray scattering and molecular dynamics. <i>Journal of Chemical Physics</i> , 2015 , 143, 114506	3.9	23
171	One-dimensional thermotropic dilatation area of lipid headgroups within lamellar lipid/DNA complexes. <i>Langmuir</i> , 2006 , 22, 4267-73	4	23
170	Energy Dispersive X-ray Reflectometry of the NO ₂ Interaction with Ruthenium Phthalocyanine Films. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 575-579	3.4	23
169	Conformational study of proteins by SAXS and EDXD: the case of trypsin and trypsinogen. <i>European Biophysics Journal</i> , 2001 , 30, 163-70	1.9	23
168	Nickel and cadmium phosphates in aqueous solution. Cation/anion complex formation and phosphate-H ₂ O interactions. <i>Journal of Chemical Physics</i> , 1982 , 77, 5682-5686	3.9	23
167	Bioactive glass/ceramic coatings prepared by pulsed laser deposition from RKKP targets (sol-gel vs melt-processing route). <i>Materials Research Bulletin</i> , 2012 , 47, 1130-1137	5.1	22

166	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> , 2010 , 114, 12506-12	2.8	22
165	Time-resolved energy dispersive x-ray reflectometry measurements on ruthenium phthalocyanine gas sensing films. <i>Applied Physics Letters</i> , 2003 , 82, 3868-3870	3.4	22
164	N,N-Dialkylcarbamato complexes as precursors for the chemical implantation of metal cations on a silica support. <i>Journal of Materials Chemistry</i> , 1998 , 8, 751-759		22
163	Ab initio SCF study on LiClO ₄ and LiSO ₄ molecules: Geometries and vibrational frequencies. <i>Chemical Physics</i> , 1991 , 151, 179-186	2.3	22
162	Study of the hydrogen-bonded (NH ₂ CONH ₂)(H ₂ O) ₂ and (NH ₂ CONH ₂)(HF) ₂ complexes and of the interaction of H ₂ O with metal cations and anions. <i>Computational and Theoretical Chemistry</i> , 1992 , 277, 185-211		22
161	Hydration Phenomena in a Concentrated Aqueous Solution of Ce(NO ₃) ₃ . X-ray Diffraction and Raman Spectroscopy. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1983 , 38, 533-539	1.4	22
160	Structure of rhodium(III) nitrate aqueous solutions. An investigation by x-ray diffraction and Raman spectroscopy. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 238-243		22
159	X-ray diffraction study on A NiBr ₂ aqueous solution. Experimental evidence of the Ni(II)Br contacts. <i>Chemical Physics Letters</i> , 1982 , 89, 110-114	2.5	22
158	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> , 2018 , 20, 30120-30124	3.6	22
157	Structure and phase behavior of self-assembled DPPC-DNA-metal cation complexes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 13203-11	3.4	21
156	From Chemical to Structural Order of Electrodeposited Ni ₂₂ P Alloy: An XPS and EDXD Study. <i>Chemistry of Materials</i> , 2004 , 16, 4216-4225	9.6	21
155	N,N-Dialkylcarbamato complexes as precursors for the chemical implantation of metal cations on a silica support. Part 3 Palladium. <i>Journal of Materials Chemistry</i> , 1998 , 8, 2855-2861		21
154	A Comparative X-Ray Diffraction Study of Aqueous MnSO ₄ and Crystals of MnSO ₄ ·5H ₂ O. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1982 , 37, 581-586	1.4	21
153	Zinc-releasing calcium phosphate cements for bone substitute materials. <i>Ceramics International</i> , 2016 , 42, 17310-17316	5.1	21
152	Amidine N≡(N)≡ Skeleton: Its Structure in Isolated and Hydrogen-Bonded Guanidines from ab Initio Calculations. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 10928-10935		20
151	Study of cetyltrialkylammonium bromide and tribromide salts in the solid phase. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1331-1337		20
150	Structural and morphological characterisation of ruthenium phthalocyanine films by energy dispersive X-ray diffraction and atomic force microscopy. <i>Thin Solid Films</i> , 2001 , 382, 74-80	2.2	20
149	Nanoscale Density Fluctuations in Ionic Liquid Binary Mixtures with Nonamphiphilic Compounds: First Experimental Evidence. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 10540-10546	3.4	20

148	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> , 2019 , 94, 798-810	8.3	20
147	NMR, calorimetry, and computational studies of aqueous solutions of N-methyl-2-pyrrolidone. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10493-502	3.4	19
146	Intriguing transport dynamics of ethylammonium nitrate-acetonitrile binary mixtures arising from nano-inhomogeneity. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27212-27220	3.6	19
145	Structural study of octacalcium phosphate bone cement conversion in vitro. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6202-10	9.5	19
144	Crystallization kinetics of PEO-alkaline perchlorate solutions observed by energy dispersive x-ray diffraction. <i>Journal of Macromolecular Science - Physics</i> , 1997 , 36, 629-641	1.4	19
143	Supramolecular Structure of Extrinsicly Chiral Porphyrin Hetero-Assemblies and Achiral Analogues. <i>Advanced Materials</i> , 2007 , 19, 3961-3967	24	19
142	Dissociative versus molecular adsorption of phenol on Si(100)2 \times 1: A first-principles calculation. <i>Physical Review B</i> , 2007 , 76,	3.3	19
141	Experimental evidence of a two-step reversible absorption/desorption process in ruthenium phthalocyanine gas sensing films by in situ energy dispersive x-ray reflectometry. <i>Applied Physics Letters</i> , 2005 , 86, 114106	3.4	19
140	Sulphate-H ₂ O interactions in a concentrated aqueous H ₂ SO ₄ solution. <i>Chemical Physics Letters</i> , 1983 , 96, 390-394	2.5	19
139	Single-phase bone cement based on dicalcium phosphate dihydrate powder and sodium silicate solution. <i>Materials Letters</i> , 2012 , 73, 115-118	3.3	18
138	Inhomogeneity in Ethylammonium Nitrate-Acetonitrile Binary Mixtures: The Highest "Low q Excess" Reported to Date. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3512-3522	6.4	18
137	The structure of liquid N-methyl pyrrolidone probed by x-ray scattering and molecular simulations. <i>Journal of Chemical Physics</i> , 2012 , 136, 074505	3.9	18
136	Protofibrils within fibrin fibres are packed together in a regular array. <i>Thrombosis and Haemostasis</i> , 2003 , 89, 632-636	7	18
135	Further Structural Information on the Intra- and Interunit Contacts in Dimeric Ruthenium Phthalocyanine. <i>Inorganic Chemistry</i> , 1999 , 38, 3027-3029	5.1	18
134	Phosphate-water interactions in concentrated aqueous phosphoric acid solutions. <i>The Journal of Physical Chemistry</i> , 1985 , 89, 1457-1460		18
133	Stabilization of the Tensile Strength of Aged Cellulose Paper by Cholinium-Amino Acid Ionic Liquid Treatment. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24088-24097	3.8	18
132	Physico-chemical properties and nanoscale morphology in N-alkyl-N-methylmorpholinium dicyanamide room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2013 , 187, 252-259	6	17
131	ADSORPTION STATES AND SITE CONVERSIONS OF PHENYLACETYLENE ON Si(100)2 \times 1 CALCULATED BY DFT. <i>Journal of Theoretical and Computational Chemistry</i> , 2012 , 11, 1089-1099	1.8	17

130	Fragmentation pathways of acetic acid upon adsorption on Si(100)2 \times 1. <i>Surface Science</i> , 2008 , 602, 852-858.8	17
129	X-Ray Diffraction Study on Hydration and Ion-Pairing in Aqueous ZnSO ₄ Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1982 , 37, 1247-1252	1.4 17
128	Complex formation and SO ₂ -H ₂ O interactions in a concentrated aqueous Cr ₂ (SO ₄) ₃ solution. <i>Chemical Physics Letters</i> , 1982 , 86, 214-218	2.5 17
127	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> , 2008 , 462, 307-312	2.5 16
126	Evidence of a rearrangement of the surface structure in titanium phthalocyanine sensors induced by the interaction with nitrogen oxides molecules. <i>Applied Physics Letters</i> , 2005 , 87, 181904	3.4 16
125	A new approach for the study of cationic lipid-DNA complexes by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2002 , 366, 200-204	2.5 16
124	Effect of hydration on the long-range order of lipid multilayers investigated by in situ time-resolved energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2005 , 409, 331-336	2.5 16
123	Dimeric Osmium Phthalocyanine Organized in Discrete Columnarly Stacked Assemblies: Structure, Magnetism, and Electrical Conductivity Properties. <i>Inorganic Chemistry</i> , 1998 , 37, 4210-4213	5.1 16
122	Two-dimensional lipid mixing entropy regulates the formation of multicomponent lipoplexes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20829-35	3.4 16
121	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> , 2018 , 148, 134507	3.9 15
120	Crystal polymorphism of propylammonium chloride and structural properties of its mixture with water. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11805-15	3.4 15
119	Observation of a rectangular DNA superlattice in the liquid-crystalline phase of cationic lipid/DNA complexes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10092-3	16.4 15
118	Geometries and vibrational frequencies of oxyacids and carboxylic acids. a study on structural and vibrational effects. <i>Computational and Theoretical Chemistry</i> , 1992 , 257, 369-403	15
117	On the Structures of Polynuclear Hydrolysis Complexes of Indium(III) in Aqueous Solution.. <i>Acta Chemica Scandinavica</i> , 1986 , 40a, 435-440	15
116	Nonfluorinated Ionic Liquid Electrolytes for Lithium Metal Batteries: Ionic Conduction, Electrochemistry, and Interphase Formation. <i>Advanced Energy Materials</i> , 2021 , 11, 2003521	21.8 15
115	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> , 2017 , 226, 2-8	6 14
114	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> , 2015 , 212, 947-956	6 14
113	Furan and thiophene in liquid phase: An X-ray and molecular dynamics study. <i>Chemical Physics Letters</i> , 2006 , 422, 256-261	2.5 14

112	Structural features of a cationic gemini surfactant at full hydration investigated by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2004 , 386, 76-82	2.5	14
111	A new amorphous trinuclear complex of Pt(II) with 1,3-thiazolidine-2-thione: [Pt ₃ (ttz) ₈]Cl ₆ . <i>Inorganica Chimica Acta</i> , 1996 , 248, 203-208	2.7	14
110	Carbonate-cancrinite: In-situ real-time thermal processes studied by means of energy-dispersive X-ray powder-diffractometry. <i>Powder Diffraction</i> , 1995 , 10, 173-177	1.8	14
109	An X-Ray Diffraction Study on an Aqueous Solution of CdSO ₄ at 9 and 62 °C. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1981 , 36, 1062-1066	1.4	14
108	Choline salicylate ionic liquid by X-ray scattering, vibrational spectroscopy and molecular dynamics. <i>Journal of Molecular Liquids</i> , 2016 , 218, 39-49	6	13
107	Theoretical design of coupled organic-inorganic systems. <i>Physical Review Letters</i> , 2008 , 101, 126805	7.4	13
106	Hydration effect on the structure of dioleoylphosphatidylcholine bilayers. <i>Applied Physics Letters</i> , 2007 , 90, 183901	3.4	13
105	Formation of overcharged cationic lipid/DNA complexes. <i>Chemical Physics Letters</i> , 2006 , 429, 250-254	2.5	13
104	Coordination structures and vibrational frequencies of Li and Na metaphosphates and nitrates. An ab initio SCF study. <i>Chemical Physics</i> , 1990 , 145, 27-35	2.3	13
103	X-ray and molecular dynamics studies of butylammonium butanoate-water binary mixtures. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1975-1981	3.6	12
102	A new insight into the nanostructure of alkylammonium alkanoates based ionic liquids in water. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 11497-502	3.6	12
101	Time-resolved morphological study of PEDOT:PSS hole transporting layer for polymer solar cells. <i>Synthetic Metals</i> , 2012 , 162, 808-812	3.6	12
100	DSC, FT-IR, and Energy Dispersive X-ray Diffraction Applied to the Study of the Glass Transition of Poly(p-phenylene sulfide). <i>Macromolecules</i> , 1997 , 30, 7970-7976	5.5	12
99	Hydration and ion-pairing in concentrated aqueous Mn(NO ₃) ₂ solutions. An X-ray and raman spectroscopy study. <i>Chemical Physics</i> , 1984 , 88, 155-161	2.3	12
98	Study of the interactions of CdCl ₂ and Cd(ClO ₄) ₂ with adenosine-5'-triphosphate in aqueous solution by ¹ H, ¹³ C, ³¹ P, ¹¹³ Cd, NMR spectroscopy and X-ray diffraction technique. <i>Chemical Physics</i> , 1985 , 93, 461-473	2.3	12
97	On the Structure in Aqueous Superconcentrated Calcium Nitrate. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1981 , 36, 831-835	1.4	12
96	Coverage effects on phenol adsorption on Si(100)2×1 as: A first principle calculation. <i>Surface Science</i> , 2009 , 603, 611-619	1.8	11
95	DNA release from cationic liposome/DNA complexes by anionic lipids. <i>Applied Physics Letters</i> , 2006 , 89, 233903	3.4	11

94	A new experimental setup for the study of lipid hydration by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2005 , 414, 456-460	2.5	11
93	The Hydration of Tungstate and Molybdate Ions in Aqueous Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1986 , 41, 1325-1329	1.4	11
92	Bio ionic liquids and water mixtures: a structural study. <i>RSC Advances</i> , 2017 , 7, 19338-19344	3.7	10
91	Does High Pressure Induce Structural Reorganization in Linear Alcohols? A Computational Answer. <i>ChemPhysChem</i> , 2016 , 17, 3023-3029	3.2	10
90	Surface area of lipid membranes regulates the DNA-binding capacity of cationic liposomes. <i>Applied Physics Letters</i> , 2009 , 94, 033903	3.4	10
89	Supramolecular organization of toluidine blue dye in solid amorphous phases. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1994-9	3.4	10
88	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> , 2006 , 88, 104106	3.4	10
87	The Structure of Gemini Surfactant Self-Assemblies Investigated by Energy Dispersive X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12268-12274	3.4	10
86	Structural features and molecular assembly of amorphous phosphazenic materials in the bulk--combined theoretical and experimental techniques: Tris-(2,2'-dioxy-1,1'-binaphthyl)cyclotriphosphazene. <i>Chemistry - A European Journal</i> , 2001 , 7, 1486-94	4.8	10
85	Poly(p-phenylene sulfide) Isothermal Cold Crystallization Investigated by Usual and Unusual Methods. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 2902-2914	2.6	10
84	X-ray photoelectron spectra of dinitrogen chelating ligands with some transition metals. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993 , 49, 1779-1785		10
83	Amorphous Complexes MM (EDTA) (H ₂ O) ₄ · 2H ₂ O . LAXS and XPS Investigation of the Local Structure. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1988 , 43, 591-596	1.4	10
82	Observations on the structural characterization of the di-μ-hydroxo-octaaquodiiron(III) dimer. <i>Inorganic Chemistry</i> , 1981 , 20, 3564-3565	5.1	10
81	Small-angle maxima and cation-cation distances. Differences between iron nitrate and perchlorate solutions. <i>Chemical Physics Letters</i> , 1978 , 54, 600-602	2.5	10
80	A Refinement of the Crystal Structure of the Cadmium Sulfate 3CdSO ₄ ·8H ₂ O.. <i>Acta Chemica Scandinavica</i> , 1981 , 35a, 451-455		10
79	Structural Organization in Neat Ionic Liquids and in Their Mixtures. <i>Soft and Biological Matter</i> , 2014 , 39-63	3.8	10
78	Role of the spacer stereochemistry on the structure of solid-supported gemini surfactants aggregates. <i>Langmuir</i> , 2007 , 23, 10040-3	4	9
77	Enhancing the Gas-Sensing Properties of (RuPc) ₂ Thin Films by Thermally Induced Morphological Stabilizing Effects. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12045-12051	3.8	9

76	Segregation and phase transition in mixed lipid films. <i>Langmuir</i> , 2005 , 21, 9137-42	4	9
75	An Energy Dispersive X-ray Diffraction Study of Dioxouranium(VI) in 1 M Lithium Citrate. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 2739-2746	2.3	9
74	Structure of solid-supported lipid-DNA-metal complexes investigated by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2004 , 397, 138-143	2.5	9
73	Effect of hydration on the structure of oriented lipid membranes investigated by in situ time-resolved energy dispersive x-ray diffraction. <i>Applied Physics Letters</i> , 2005 , 86, 253902	3.4	9
72	X-ray scattering studies of palladium (II) and platinum (II) aqueous solutions. <i>Journal of Molecular Liquids</i> , 1996 , 70, 55-70	6	9
71	Complex formation and phosphate-H ₂ O interactions in a concentrated aqueous Mg(H ₂ PO ₄) ₂ solution.. <i>Journal of Molecular Liquids</i> , 1984 , 28, 191-204	6	9
70	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> , 2016 , 145, 024507	3.9	9
69	The unseen evidence of Reduced Ionicity: The elephant in (the) room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 324, 115069	6	9
68	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> , 2009 , 113, 7774-8	2.8	8
67	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> , 2010 , 5, 35001	3.5	8
66	Temperature dependence of PEO phase transition rate by energy dispersive x-ray diffraction. <i>Journal of Macromolecular Science - Physics</i> , 1997 , 36, 221-232	1.4	8
65	Influence of crystallization conditions on the structural characteristics of poly(p-phenylene sulfide): Rietveld refinement. <i>Journal of Materials Science</i> , 1998 , 33, 3519-3524	4.3	8
64	SYNTHESIS AND LAXS INVESTIGATION OF SOME 1-(D-3-MERCAPTO-2-METHYLPROPIONYL)-L-PROLINE AMORPHOUS COMPLEXES WITH CO(II), Ni(II), Zn(II), Cd(II). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993 , 79, 13-24	1	8
63	¹ H and ³¹ P NMR study of the complexes between Cd(II) and adenosine-5'-triphosphate. <i>Polyhedron</i> , 1984 , 3, 1105-1108	2.7	8
62	On nickel sulfate contacts and SO ₄ =4H ₂ O interactions in aqueous solutions. <i>Journal of Chemical Physics</i> , 1986 , 84, 3336-3338	3.9	8
61	Assessing the Structure of Protic Ionic Liquids Based on Triethylammonium and Organic Acid Anions. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 2781-2792	3.4	8
60	Water and hexane in an ionic liquid: computational evidence of association under high pressure. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8661-8666	3.6	7
59	Chloromethyl-oxirane and chloromethyl-thiirane in liquid phase: A joint experimental and quantum chemical study. <i>Chemical Physics</i> , 2016 , 473, 24-31	2.3	7

58	A structural and theoretical study of the alkylammonium nitrates forefather: Liquid methylammonium nitrate. <i>Chemical Physics Letters</i> , 2017 , 684, 304-309	2.5	7
57	Nickel(II) 3,4,9,10-perylenediimide bis-phosphonate pentahydrate: a metal-organic ferromagnetic dye. <i>Inorganic Chemistry</i> , 2012 , 51, 7332-9	5.1	7
56	Structural/morphological monitoring approach to stability and durability issues of photoactive films for organic solar cells. <i>Chemical Physics Letters</i> , 2011 , 504, 216-220	2.5	7
55	Gas sensing (RuPc) ₂ thin films: Electrical response to NO ₂ gas and morphological changes induced by external moisture. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 396-402	8.5	7
54	On the correlation between phase evolution of lipoplexes/anionic lipid mixtures and DNA release. <i>Applied Physics Letters</i> , 2007 , 91, 143903	3.4	7
53	C 1s core-level photoemission spectra of stilbene on Si(100)2 \times 1 surface from first-principles calculations. <i>Physical Review B</i> , 2007 , 75,	3.3	7
52	SO ₂ Cl ₂ , SOCl ₂ : energy dispersive X-ray diffraction, ab initio and molecular dynamics calculation. <i>Computational Materials Science</i> , 2001 , 20, 407-415	3.2	7
51	Molecular Modeling and Large-Angle X-ray Scattering Studies of the Structure of Semicrystalline Poly[bis(phenoxy)phosphazene]. <i>Chemistry of Materials</i> , 1999 , 11, 1492-1497	9.6	7
50	Ab initio HF-SCF studies of the equilibrium structures and vibrational spectra of the Be(NO ₃) ₂ , Mg(NO ₃) ₂ and Ca(NO ₃) ₂ molecules. <i>Computational and Theoretical Chemistry</i> , 1994 , 314, 247-260		7
49	X-ray and neutron diffraction studies of the hydration of SeO ₂ - 4 and CrO ₂ - 4 anions by isomorphous substitution. <i>Molecular Physics</i> , 1992 , 76, 681-691	1.7	7
48	An X-ray and NMR Study on Cerium(III) and Magnesium(II) Perchlorate Solutions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1988 , 43, 317-325	1.4	7
47	An X-ray diffraction study of Rh(III) coordination in a dilute aqueous solution of Rh(CLO ₄) ₃ . <i>Chemical Physics Letters</i> , 1984 , 108, 51-57	2.5	7
46	Acidic Ionic Liquids Enabling Intermediate Temperature Operation Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8370-8382	9.5	7
45	EDXRD-RDF characterization of maceral group concentrates for assessing coal reactivity. <i>Fuel</i> , 1997 , 76, 887-892	7.1	6
44	Effect of pH on the structure of lipoplexes. <i>Journal of Applied Physics</i> , 2008 , 104, 014701	2.5	6
43	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> , 2006 , 89, 043901	3.4	6
42	Protofibrils within fibrin fibres are packed together in a regular array. <i>Thrombosis and Haemostasis</i> , 2003 , 89, 632-6	7	6
41	Phase Transition of TiO ₂ Nanotubes: An X-ray Study as a Function of Temperature. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24871-24876	3.8	5

40	Effect of hydration on the structure of caveolae membranes. <i>Applied Physics Letters</i> , 2009 , 94, 153901	3.4	5
39	A structural and kinetic study by energy dispersion X-ray diffraction: interaction between 1,4-dihydropyridines and biological membranes. <i>Chemical Physics Letters</i> , 1998 , 286, 473-478	2.5	5
38	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> , 2008 , 88, 107-112	4.8	5
37	Hydration kinetics of oriented lipid membranes investigated by energy dispersive x-ray diffraction. <i>Applied Physics Letters</i> , 2004 , 85, 1630-1632	3.4	5
36	Powder X-ray data for melatonin C ₁₃ H ₁₆ N ₂ O ₂ . <i>Powder Diffraction</i> , 2000 , 15, 108-111	1.8	5
35	An ²⁷ Al NMR study of complexes between Al ³⁺ and imidazolidine-2-one in concentrated aqueous solution. <i>Chemical Physics Letters</i> , 1983 , 97, 180-184	2.5	5
34	An ²⁷ Al and ¹³ CN.M.R. study of the Complexes between Al ³⁺ and Various Organic Molecules Containing the Amide Group in Concentrated Aqueous Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1984 , 39, 1235-1241	1.4	5
33	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> , 2019 , 11, 1425	2.7	5
32	Organometallic oligomer resolved by radial distribution function of X-ray diffraction analysis. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2359-64	3.4	4
31	Small-angle energy-dispersive X-ray scattering using a laboratory-based diffractometer with a conventional source. <i>Journal of Applied Crystallography</i> , 2007 , 40, 218-231	3.8	4
30	In situ energy dispersive x-ray reflectometry to investigate the (RuPc) ₂ /NO _x interaction process evidenced by ex situ measurements. <i>Journal of Applied Physics</i> , 2006 , 99, 044901	2.5	4
29	Polyethylene Structure as a Function of Temperature: An EDXD Investigation. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 1005-1014	1.4	4
28	In situ formation of solid-supported lipid/DNA complexes. <i>Chemical Physics Letters</i> , 2005 , 405, 252-257	2.5	4
27	Energy dispersive x-ray diffractometry as a tool alternative to differential scanning calorimetry for investigating polymer phase transitions. <i>Applied Physics Letters</i> , 2002 , 80, 775-777	3.4	4
26	Solute-solvent interactions in dilute aqueous solution of some alkylureas and diazolidin-2-one. <i>Journal of Molecular Liquids</i> , 1985 , 30, 139-155	6	4
25	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> , 2017 , 121, 6399-6407	3.4	3
24	Dose influence on the PMMA e-resist for the development of high-aspect ratio and reproducible sub-micrometric structures by electron beam lithography 2016 ,		3
23	Synthesis and Small and Wide Angle X-Ray Scattering Characterization of L-Proline Based Chiral Ionic Liquids. <i>Current Organic Chemistry</i> , 2015 , 19, 99-104	1.7	3

22	What can we learn by comparing experimental and theoretical-computational X-ray scattering data?. <i>Journal of Molecular Liquids</i> , 2009 , 144, 9-12	6	3
21	Real-time electrical and morphological characterizations of gas sensing Ti(Pc) ₂ devices under working conditions. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 134-138	8.5	3
20	Energy-dispersive small-angle x-ray scattering for investigating polymer morphology: Static and time-resolved experiments. <i>Applied Physics Letters</i> , 2004 , 85, 4798-4800	3.4	3
19	Energy-dispersive X-ray diffraction on thin films and its application to superconducting samples. <i>Journal of Applied Crystallography</i> , 2003 , 36, 43-47	3.8	3
18	Energy Dispersive X-ray Diffraction (Edxd) Investigation Of Amorphous Poly(phenylacetylene) (Ppa). <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 1061-1083	1.4	3
17	Poly(p-phenylene sulfide) nonisothermal cold-crystallization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 2725-2736	2.6	3
16	Single crystal structure determination of cetylpyridiniumammonium bromide and Rietveld structure determination of cetylquinuclidinium bromide. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1998 , 213, 123-129	1	3
15	Coordination of Rhodium(III) in Dilute Aqueous Solutions in Presence of Chloride Anion. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1985 , 40, 1319-1328	1.4	3
14	Segregation into domains observed in liquid crystal phases: comparison of experimental and theoretical data. <i>Soft Matter</i> , 2011 , 7, 3392	3.6	2
13	A NANOSTRUCTURED POLYMORPH OF EOXBIS(PHTHALOCYANINATOIRON(III)) STUDIED BY ANGULAR AND ENERGY DISPERSIVE X-RAY DIFFRACTION. <i>Nano</i> , 2007 , 02, 121-128	1.1	2
12	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> , 2006 , 449, 157-63	4.1	2
11	Powder X-ray data for adenosine C ₁₀ H ₁₃ N ₅ O ₄ . <i>Powder Diffraction</i> , 2000 , 15, 112-115	1.8	2
10	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> , 2007 , 97, 473-90		1
9	Energy dispersive x-ray diffraction and differential scanning calorimetry investigation of the melting behavior of poly(ethylene-succinate) crystallized at low undercooling. <i>Journal of Applied Physics</i> , 2003 , 94, 1521-1526	2.5	1
8	First measurements by the EDXD-PT technique of the effect of the melting time on polymer crystallization kinetics. <i>Journal of Macromolecular Science - Physics</i> , 1999 , 38, 329-339	1.4	1
7	Analysis of two-dimensional reflections from a fine-particle carbon. <i>Journal of Applied Crystallography</i> , 1979 , 12, 551-553	3.8	1
6	X-Ray Diffraction Studies of Ionic Liquids: From Spectra to Structure and Back. <i>Soft and Biological Matter</i> , 2014 , 1-37	0.8	1
5	On the nanoscopic structural heterogeneity of liquid -alkyl carboxylic acids. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 20282-20287	3.6	1

4	Structural characterization of propylammonium nitrate and N-methyl-2-pyrrolidone mixtures. <i>Journal of Molecular Liquids</i> , 2017 , 226, 9-15	6	o
3	Disclosing the hierarchical structure of ionic liquid mixtures by multiscale computational methods 2021 , 1-67		o
2	Molecular Insight into Microstructural and Dynamical Heterogeneities in Magnesium Ionic Liquid Electrolytes.. <i>Journal of Physical Chemistry Letters</i> , 2021 , 105-111	6.4	o
1	Identification Techniques II. <i>Lecture Notes in Quantum Chemistry II</i> , 2012 , 91-161	o.6	