

# Enrique Sanchez Marcos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6399722/publications.pdf>

Version: 2024-02-01

113  
papers

3,131  
citations

117625

34  
h-index

182427

51  
g-index

117  
all docs

117  
docs citations

117  
times ranked

2354  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Coupled EXAFS–Molecular Dynamics Study on PuO <sub>2</sub> and NpO <sub>2</sub> Hydration: The Importance of Electron Correlation in Force-Field Building. <i>Inorganic Chemistry</i> , 2022, 61, 8703-8714.	4.0	5
2	Hydration of Heavy Alkaline-Earth Cations Studied by Molecular Dynamics Simulations and X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2021, 60, 13578-13587.	4.0	9
3	Combining EXAFS and Computer Simulations to Refine the Structural Description of Actinyls in Water. <i>Molecules</i> , 2020, 25, 5250.	3.8	2
4	A general purpose acetonitrile interaction potential to describe its liquid, solid and gas phases. <i>Journal of Molecular Liquids</i> , 2020, 318, 113975.	4.9	4
5	Revisiting the cobalt(II) hydration from molecular dynamics and X-ray absorption spectroscopy. <i>Molecular Physics</i> , 2019, 117, 3320-3328.	1.7	5
6	A general study of actinyl hydration by molecular dynamics simulations using <i>ab initio</i> force fields. <i>Journal of Chemical Physics</i> , 2019, 150, 104504.	3.0	13
7	Hydration Structure of the Elusive Ac(III) Aqua Ion: Interpretation of X-ray Absorption Spectroscopy (XAS) Spectra on the Basis of Molecular Dynamics (MD) Simulations. <i>Inorganic Chemistry</i> , 2019, 58, 2777-2783.	4.0	14
8	Extracting the Americyl Hydration from an Americium Cationic Mixture in Solution: A Combined X-ray Absorption Spectroscopy and Molecular Dynamics Study. <i>Inorganic Chemistry</i> , 2018, 57, 8089-8097.	4.0	9
9	Effect of Basicity on the Hydrolysis of the Bi(III) Aqua Ion in Solution: An Ab Initio Molecular Dynamics Study. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1905-1915.	2.5	12
10	Development of a polarizable and flexible model of the hydrated ion potential to study the intriguing case of Sc(III) hydration. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	1.4	3
11	The hydration structure of the heavy-alkalines Rb and Cs through molecular dynamics and X-ray absorption spectroscopy: surface clusters and eccentricity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28993-29004.	2.8	43
12	Hydration and Diffusion Mechanism of Uranyl in Montmorillonite Clay: Molecular Dynamics Using an Ab Initio Potential. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27437-27444.	3.1	16
13	A hydrated ion model of [UO <sub>2</sub> ] <sup>2+</sup> in water: Structure, dynamics, and spectroscopy from classical molecular dynamics. <i>Journal of Chemical Physics</i> , 2016, 145, 224502.	3.0	17
14	Identifying Coordination Geometries of Metal Aquaions in Water: Application to the Case of Lanthanoid and Actinoid Hydrates. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4275-4280.	4.6	25
15	Hydration of Two Cisplatin Aqua-Derivatives Studied by Quantum Mechanics and Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1735-1744.	5.3	28
16	Theoretical study on the hydrophobic and hydrophilic hydration on large solutes: The case of phthalocyanines in water. <i>Journal of Chemical Physics</i> , 2015, 143, 044502.	3.0	3
17	Collecting high-order interactions in an effective pairwise intermolecular potential using the hydrated ion concept: The hydration of Cf <sup>3+</sup> . <i>Journal of Chemical Physics</i> , 2014, 140, 214104.	3.0	18
18	Hydration of Cisplatin Studied by an Effective Ab Initio Pair Potential Including Solute–Solvent Polarization. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 4562-4573.	5.3	27

#	ARTICLE	IF	CITATIONS
19	Molecular Structure of Solvates and Coordination Complexes in Solution as Determined with EXAFS and XANES. , 2013, , 133-159.		8
20	EXAFS Debye-Waller factors issued from Car-Parrinello molecular dynamics: Application to the fit of oxaliplatin and derivatives. Journal of Chemical Physics, 2013, 138, 084303.	3.0	9
21	Impact of the number of fitted Debye-Waller factors on EXAFS fitting. Journal of Physics: Conference Series, 2013, 430, 012015.	0.4	9
22	Quantum-Mechanical Study on the Aquaions and Hydrolyzed Species of Po(IV), Te(IV), and Bi(III) in Water. Journal of Physical Chemistry B, 2012, 116, 14903-14914.	2.6	7
23	Axial Structure of the Pd(II) Aqua Ion in Solution. Journal of the American Chemical Society, 2012, 134, 962-967.	13.7	50
24	Modeling the interactions of phthalocyanines in water: From the Cu(II)-tetrasulphonate to the metal-free phthalocyanine. Journal of Chemical Physics, 2011, 134, 024503.	3.0	3
25	Comparative study of the hydrolysis of a third- and a first-generation platinum anticancer complexes. Theoretical Chemistry Accounts, 2011, 128, 627-638.	1.4	36
26	Theoretical and computational chemistry in Spain. Theoretical Chemistry Accounts, 2011, 128, 389-391.	1.4	0
27	Solving the Hydration Structure of the Heaviest Actinide Aqua Ion Known: The Californium(III) Case. Angewandte Chemie - International Edition, 2010, 49, 3811-3815.	13.8	64
28	Molecular solids of actinide hexacyanoferrate: Structure and bonding. IOP Conference Series: Materials Science and Engineering, 2010, 9, 012026.	0.6	2
29	An Ab Initio Molecular Dynamics Study on the Hydrolysis of the Po(IV) Aquaion in Water. Journal of Physical Chemistry B, 2010, 114, 12866-12874.	2.6	17
30	A theoretical study of the hydrogen bond donor capability and co-operative effects in the hydrogen bond complexes of the diaza-aromatic betacarbolines. Physical Chemistry Chemical Physics, 2010, 12, 5276.	2.8	9
31	Characterizing Pt-derived Anticancer Drugs from First Principles: The Case of Oxaliplatin in Aqueous Solution. ChemPhysChem, 2009, 10, 1044-1052.	2.1	23
32	General Quantum-Mechanical Study on the Hydrolysis Equilibria for a Tetravalent Aquaion: The Extreme Case of the Po(IV) in Water. Journal of Physical Chemistry B, 2009, 113, 487-496.	2.6	14
33	Coupling CP-MD Simulations and X-ray Absorption Spectroscopy: Exploring the Structure of Oxaliplatin in Aqueous Solution. Journal of Physical Chemistry B, 2009, 113, 12343-12352.	2.6	20
34	Opposite effects of successive hydration shells on the aqua ion structure of metal cations. Molecular Simulation, 2009, 35, 1007-1014.	2.0	4
35	Aqueous Pd <sup>II</sup> and Pt <sup>II</sup> : Anionic Hydration Revealed by Car-Parrinello Simulations. ChemPhysChem, 2008, 9, 237-240.	2.1	32
36	Po(IV) Hydration: A Quantum Chemical Study. Journal of Physical Chemistry B, 2008, 112, 5416-5422.	2.6	21

#	ARTICLE	IF	CITATIONS
37	Explaining Asymmetric Solvation of Pt(II) versus Pd(II) in Aqueous Solution Revealed by Ab Initio Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 2108-2121.	5.3	56
38	Coupling MD Simulations and X-ray Absorption Spectroscopy to Study Ions in Solution. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
39	Combined Experimental and Theoretical Approach to the Study of Structure and Dynamics of the Most Inert Aqua Ion [Ir(H <sub>2</sub> O) <sub>6</sub> ] <sup>3+</sup> in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8223-8233.	2.6	38
40	The Aquation of Po(IV): A Quantum Chemical Study.. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
41	Coupling MD Simulations and X-ray Absorption Spectroscopy to Study Ions in Solution. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
42	The hydration of Cu <sup>2+</sup> : Can the Jahn-Teller effect be detected in liquid solution?. <i>Journal of Chemical Physics</i> , 2006, 124, 064509.	3.0	104
43	The interplay of the 3d <sup>9</sup> and 3d <sup>10</sup> electronic configurations in the copper K-edge XANES spectra of Cu(II) compounds. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 471-476.	2.4	19
44	Hydration Structure and Dynamic Properties of the Square Planar Pt(II) Aquaion Compared to the Pd(II) Case. <i>Theoretical Chemistry Accounts</i> , 2006, 115, 196-203.	1.4	34
45	Theoretical chemistry of metal and single ions in solutions. <i>Theoretical Chemistry Accounts</i> , 2006, 115, 75-76.	1.4	1
46	Analysis of Main Factors Determining the Prediction of Stabilization Energies of Halide-water Clusters. <i>Theoretical Chemistry Accounts</i> , 2006, 116, 691-699.	1.4	3
47	The solvation of bromide anion in acetonitrile: a structural study based on the combination of theoretical calculations and X-ray absorption spectroscopy. <i>Molecular Simulation</i> , 2006, 32, 1035-1043.	2.0	7
48	Ab initio x-ray absorption study of copper K-edge XANES spectra in Cu(II) compounds. <i>Physical Review B</i> , 2005, 71, .	3.2	82
49	Study of the stabilization energies of halide-water clusters: An application of first-principles interaction potentials based on a polarizable and flexible model. <i>Journal of Chemical Physics</i> , 2004, 121, 7269-7275.	3.0	25
50	A molecular dynamics study on Rh <sup>3+</sup> hydration: development and application of a first principles hydrated ion-water interaction potential. <i>Theoretical Chemistry Accounts</i> , 2004, 111, 101-109.	1.4	7
51	Understanding the Hydration Structure of Square-Planar Aquaions: The [Pd(H <sub>2</sub> O) <sub>4</sub> ] <sup>2+</sup> Case. <i>ChemInform</i> , 2004, 35, no.	0.0	0
52	Understanding the Hydration Structure of Square-Planar Aquaions: The [Pd(H <sub>2</sub> O) <sub>4</sub> ] <sup>2+</sup> Case. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15851-15855.	2.6	56
53	Nature of Metal Binding Sites in Cu(II) Complexes with Histidine and Related N-Coordinating Ligands, As Studied by EXAFS. <i>Inorganic Chemistry</i> , 2004, 43, 6674-6683.	4.0	61
54	On the halide hydration study: Development of first-principles halide ion-water interaction potential based on a polarizable model. <i>Journal of Chemical Physics</i> , 2003, 119, 9538-9548.	3.0	61

#	ARTICLE	IF	CITATIONS
55	Interplay of computer simulations and x-ray absorption spectra in the study of the bromide hydration structure. <i>Journal of Chemical Physics</i> , 2003, 119, 6647-6654.	3.0	33
56	Development of first-principles interaction model potentials. An application to the study of the bromide hydration. <i>Journal of Chemical Physics</i> , 2002, 117, 10512-10524.	3.0	40
57	Exploring the Capabilities of X-ray Absorption Spectroscopy for Determining the Structure of Electrolyte Solutions: Computed Spectra for Cr <sup>3+</sup> or Rh <sup>3+</sup> in Water Based on Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2002, 124, 10911-10920.	13.7	72
58	Analysis of the Opposite Solvent Effects Caused by Different Solute Cavities on the Metal <sup>+</sup> –Water Distance of Monoatomic Cation Hydrates. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1118-1123.	2.6	42
59	Geometry and Hydration Structure of Pt(II) Square Planar Complexes [Pt(H <sub>2</sub> O) <sub>4</sub> ] <sup>2+</sup> and [PtCl <sub>4</sub> ] <sup>2-</sup> as Studied by X-ray Absorption Spectroscopies and Quantum-Mechanical Computations. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7588-7593.	2.6	71
60	Combination of XANES spectroscopy and molecular dynamics to probe the local structure in disordered systems. <i>Physical Review B</i> , 2001, 64, .	3.2	38
61	Molecular-dynamics-based investigation of scattering path contributions to the EXAFS spectrum: The Cr <sup>3+</sup> aqueous solution case. <i>Physical Review B</i> , 2001, 64, .	3.2	28
62	Unusual spectroscopic behaviour of the carbonyl and carbon–carbon double-bond groups in the infrared spectra of simple nitroenaminoketone derivatives. <i>Chemical Physics Letters</i> , 2000, 323, 400-406.	2.6	5
63	Coupling a polarizable water model to the hydrated ion–water interaction potential: A test on the Cr <sup>3+</sup> hydration. <i>Journal of Chemical Physics</i> , 2000, 112, 2339-2347.	3.0	42
64	Importance of Multiple-Scattering Phenomena in XAS Structural Determinations of [Ni(CN) <sub>4</sub> ] <sup>2-</sup> in Condensed Phases. <i>Inorganic Chemistry</i> , 2000, 39, 3784-3790.	4.0	22
65	Theoretical Study of the Microsolvation of the Bromide Anion in Water, Methanol, and Acetonitrile: Ion–Solvent vs Solvent–Solvent Interactions. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2799-2807.	2.5	72
66	X-ray Absorption Spectroscopy Study of the In-Solution Structure of Ni <sup>2+</sup> , Co <sup>2+</sup> , and Ag <sup>+</sup> Solvates in Acetonitrile Including Multiple Scattering Contributions. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11794-11800.	2.6	19
67	Shape and size of simple cations in aqueous solutions: A theoretical reexamination of the hydrated ion via computer simulations. <i>Journal of Chemical Physics</i> , 1999, 110, 1669-1676.	3.0	11
68	First-Principles Ion–Water Interaction Potentials for Highly Charged Monatomic Cations. Computer Simulations of Al <sup>3+</sup> , Mg <sup>2+</sup> , and Be <sup>2+</sup> in Water. <i>Journal of the American Chemical Society</i> , 1999, 121, 3175-3184.	13.7	123
69	Dynamics of a Highly Charged Ion in Aqueous Solutions: MD Simulations of Dilute CrCl <sub>3</sub> Aqueous Solutions Using Interaction Potentials Based on the Hydrated Ion Concept. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3272-3282.	2.6	41
70	Second Hydration Shell Single Scattering versus First Hydration Shell Multiple Scattering in M(H <sub>2</sub> O) <sub>6</sub> <sup>3+</sup> EXAFS Spectra. <i>Journal of the American Chemical Society</i> , 1998, 120, 10397-10401.	13.7	53
71	A molecular dynamics study of the Cr <sup>3+</sup> hydration based on a fully flexible hydrated ion model. <i>Journal of Chemical Physics</i> , 1998, 109, 1445-1455.	3.0	49
72	Response to “Comment on ‘Examining the influence of the [Zn(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> geometry change on the Monte Carlo simulations of Zn <sup>2+</sup> in water” [J. Chem. Phys. 108, 1750 (1998)]. <i>Journal of Chemical Physics</i> , 1998, 108, 1752-1753.	3.0	7

#	ARTICLE	IF	CITATIONS
73	An Experimental and Theoretical Study on the Prototropic Equilibria of the Four Carboline Isomers. <i>Journal of Organic Chemistry</i> , 1997, 62, 5104-5109.	3.2	17
74	Study of the Ag <sup>+</sup> Hydration by Means of a Semicontinuum Quantum-Chemical Solvation Model. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4444-4448.	2.5	64
75	EXAFS Study of the Hydration Structure of Ga Aqueous Solution. Comparison of Data from two Laboratories. <i>European Physical Journal Special Topics</i> , 1997, 7, C2-647-C2-648.	0.2	2
76	EXAFS Investigation of Inner- and Outer-Sphere Chloroaquo Complexes of Cr <sup>3+</sup> in Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 1996, 118, 12654-12664.	13.7	40
77	Role of geometrical relaxation in solution of simple molecules exhibiting anomeric effects. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 245-256.	1.5	17
78	Examining the influence of the [Zn(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> geometry change on the Monte Carlo simulations of Zn <sup>2+</sup> in water. <i>Journal of Chemical Physics</i> , 1996, 105, 5968-5970.	3.0	26
79	Application of the Hydrated Ion Concept for Modeling Aqueous Solutions Containing Highly Charged Ions: A Monte Carlo Simulation of Cr <sup>3+</sup> in Water Using an ab Initio Intermolecular Potential. <i>The Journal of Physical Chemistry</i> , 1996, 100, 11748-11754.	2.9	53
80	Design of an EXAFS cell for measurements of ionic solutions in a wide range of concentrations and in highly acidic media. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 241-242.	2.7	6
81	EXAFS investigation of the second hydration shell of metal cations in dilute aqueous solutions. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 395-397.	2.7	12
82	Determination of the Second Hydration Shell of Cr <sup>3+</sup> and Zn <sup>2+</sup> in Aqueous Solutions by Extended X-ray Absorption Fine Structure. <i>Journal of the American Chemical Society</i> , 1995, 117, 11710-11720.	13.7	101
83	Calculation of the Weights of Resonance Structures of Molecules in Solution. <i>The Journal of Physical Chemistry</i> , 1995, 99, 6461-6467.	2.9	32
84	Liquid EXAFS cells for measurements in transmission and fluorescence mode of corrosive samples. <i>Review of Scientific Instruments</i> , 1994, 65, 2153-2154.	1.3	30
85	Natural polyelectron population analysis. <i>International Journal of Quantum Chemistry</i> , 1994, 52, 1127-1144.	2.0	36
86	Geometrical structure of the cis- and trans-isomers of 1,2-dihaloethylenes and the energetics of their chemical equilibrium in solution. <i>Chemical Physics Letters</i> , 1994, 225, 202-207.	2.6	9
87	Examination of the Hund rule in closed-shell systems: Investigation of spin correlation effects. <i>International Journal of Quantum Chemistry</i> , 1993, 47, 191-211.	2.0	17
88	Solvent effects on molecular geometries and isomerization processes: a study of push-pull ethylenes in solution. <i>Journal of the American Chemical Society</i> , 1993, 115, 3722-3730.	13.7	85
89	Recovering the concept of the hydrated ion for modeling ionic solutions: a Monte Carlo study of zinc(2+) in water. <i>The Journal of Physical Chemistry</i> , 1993, 97, 4500-4504.	2.9	72
90	Theoretical suggestion for the aquazinc(2+) formation. <i>The Journal of Physical Chemistry</i> , 1992, 96, 516-518.	2.9	16

#	ARTICLE	IF	CITATIONS
91	Three-center four-electron bonds and their indices. <i>Chemical Physics Letters</i> , 1992, 192, 14-20.	2.6	79
92	Experimental evidence by EXAFS of the second hydration shell in dilute solutions of chromium(III) ion. <i>Journal of the American Chemical Society</i> , 1992, 114, 6931-6932.	13.7	24
93	Investigating the possibility of simultaneously finding an electron-hole and an electron-pair in a molecule: Delocalization, competition of ionic vs. covalent character, and related effects in push-pull ethylenes. <i>International Journal of Quantum Chemistry</i> , 1992, 44, 337-362.	2.0	27
94	Theoretical approach to the solvation of nitroenamines and the influence of solvation on isomeric equilibria. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 1719.	1.7	11
95	AM1 study of a $\hat{\nu}^2$ -carboline set. Part III: substituent effects. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1729-1734.	0.9	18
96	Theoretical study of simple push-pull ethylenes in solution. <i>Journal of Physical Organic Chemistry</i> , 1991, 4, 141-148.	1.9	29
97	Effects of the solvent reaction field on the geometrical structures of hexahydrate metallic cations. <i>The Journal of Physical Chemistry</i> , 1991, 95, 8928-8932.	2.9	84
98	MNDO and AM1 estimation of the electrostatic, induction and dispersion contributions to the solvation energy by a continuum model. <i>Computational and Theoretical Chemistry</i> , 1990, 210, 441-446.	1.5	6
99	H <sub>2</sub> chemisorption on Ir <sub>4</sub> clusters: A HFS-LCAO study. <i>Chemical Physics Letters</i> , 1990, 167, 399-406.	2.6	49
100	AM1 study of a $\hat{\nu}^2$ -carboline set: structural properties and potential reactivity. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 65-71.	0.9	32
101	AM1 Study of a $\hat{\nu}^2$ -carboline set. Part II: pyrrole-N deprotonated species. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1881-1884.	0.9	15
102	A theoretical approach to the vibrational analysis of the nitroenamine system. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1627-1636.	0.9	5
103	Electron-pair distributions in the carbon-carbon double bond: effects of a push-pull substitution. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2763-2767.	2.9	31
104	Spectral properties and isomerism of nitro enamines. Part 2. 3-Amino-2-nitrocrotonic esters. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 385-392.	0.9	11
105	Effect of diffuse functions on the potential-energy surfaces of the alkylation reactions $X\hat{\nu}^+ + CH_3F \hat{\nu}^+ XCH_3 + F\hat{\nu}^-$ (X = OH, CH <sub>3</sub> , H <sub>2</sub> CCHO). <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1989, 85, 1531-1538.	1.1	4
106	MNDO/H and AM1 studies of nitro enamines with intramolecular hydrogen bonds. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988, , 2059-2064.	0.9	13
107	Ab initio study of stable bis(carbon dioxide)molybdenum complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1987, , 2373.	1.1	9
108	Theoretical study of the different coordination modes of copper-carbon dioxide complex. <i>The Journal of Physical Chemistry</i> , 1987, 91, 1328-1333.	2.9	63

#	ARTICLE	IF	CITATIONS
109	Electrostatic interactions as a factor in the determination of the HOMO in the liquid state. Canadian Journal of Chemistry, 1986, 64, 2353-2358.	1.1	18
110	The second step of the BAC2 mechanism for neutral esters: a theoretical study. Journal of the Chemical Society Perkin Transactions II, 1986, , 1323-1325.	0.9	6
111	Protonation of nitrogen-containing bases in solution: continuum vs. discrete-continuum models for aqueous solutions. The Journal of Physical Chemistry, 1985, 89, 4695-4700.	2.9	56
112	IONPIT: A full implementation of Pitzer's ion interaction treatment. Computers & Chemistry, 1985, 9, 185-190.	1.2	1
113	Activity coefficients of zinc chloride in the presence of lithium, sodium, and magnesium perchlorates, and magnesium nitrate in aqueous solution at 25 $\frac{1}{2}$ C. Journal of Solution Chemistry, 1982, 11, 889-896.	1.2	1