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List of Publications by Year
in descending order

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115 papers	3,586 citations	126901 33 h-index	161844 54 g-index
117 all docs	117 docs citations	117 times ranked	3421 citing authors

#	Article	IF	Citations
1	Role of Seroalbumin in the Cytotoxicity of cis-Dichloro Pt(II) Complexes with (N^N)-Donor Ligands Bearing Functionalized Tails. Inorganic Chemistry, 2018, 57, 6124-6134.	4.0	27
2	Binding of aluminium/cacodylate complexes with DNA and RNA. Experimental and â€œin silicoâ€study. New Journal of Chemistry, 2018, 42, 8137-8144.	2.8	3
3	Kinetic evidence for interaction of TMPyP4 with two different G-quadruplex conformations of human telomeric DNA. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 522-531.	2.4	22
4	Strong Influence of Ancillary Ligands Containing Benzothiazole or Benzimidazole Rings on Cytotoxicity and Photoactivation of Ru(II) Arene Complexes. Inorganic Chemistry, 2018, 57, 14322-14336.	4.0	21
5	Fishing for Gâ€Quadruplexes in Solution with a Perylene Diimide Derivative Labeled with Biotins. Chemistry - A European Journal, 2018, 24, 11292-11296.	3.3	13
6	Interstrand DNA covalent binding of two dinuclear Ru(<scp>ii</scp>) complexes. Influence of the extra ring of the bridging ligand on the DNA interaction and cytotoxic activity. Dalton Transactions, 2017, 46, 3611-3622.	3.3	17
7	Binding of Al(<scp>iii</scp>) to synthetic RNA and metal-mediated strand aggregation. Dalton Transactions, 2017, 46, 16671-16681.	3.3	4
8	New microsecond intramolecular reactions of human telomeric DNA in solution. RSC Advances, 2016, 6, 39204-39208.	3.6	3
9	Preferential solvation and mixing behaviour of the essential oil 1,8-cineole with shortâ€“chain hydrocarbons. Fluid Phase Equilibria, 2016, 429, 127-136.	2.5	9
10	Selectivity of a thiosemicarbazonatocopper(<scp>ii</scp>) complex towards duplex RNA. Relevant noncovalent interactions both in solid state and solution. Dalton Transactions, 2016, 45, 18704-18718.	3.3	12
11	Doxorubicin binds to duplex RNA with higher affinity than ctDNA and favours the isothermal denaturation of triplex RNA. RSC Advances, 2016, 6, 101142-101152.	3.6	7
12	Ag₂ and Ag₃ Clusters: Synthesis, Characterization, and Interaction with DNA. Angewandte Chemie - International Edition, 2015, 54, 7612-7616.	13.8	63
13	Stabilization of Al(iii) solutions by complexation with cacodylic acid: speciation and binding features. Physical Chemistry Chemical Physics, 2015, 17, 29803-29813.	2.8	3
14	Monomerâ€“Dimer Divergent Behavior toward DNA in a Half-Sandwich Ruthenium(II) Aqua Complex. Antiproliferative Biphasic Activity. Organometallics, 2015, 34, 319-327.	2.3	18
15	Interaction of silver atomic quantum clusters with living organisms: bactericidal effect of Ag₃ clusters mediated by disruption of topoisomeraseâ€“DNA complexes. Chemical Science, 2015, 6, 6717-6724.	7.4	26
16	Aggregation Features and Fluorescence of Hoechst 33258. Journal of Physical Chemistry B, 2015, 119, 4575-4581.	2.6	10
17	Mg(II) and Ni(II) induce aggregation of poly(rA)poly(rU) to either tetra-aggregate or triplex depending on the metal ion concentration. Journal of Inorganic Biochemistry, 2015, 151, 115-122.	3.5	5
18	Unequal effect of ethanolâ€“water on the stability of ct-DNA, poly[(dAâ€“dT)]₂ and poly(rA)Â·poly(rU). Thermophysical properties. Physical Chemistry Chemical Physics, 2015, 17, 2025-2033.	2.8	4

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19	Derivation of Structureâ€“Activity Relationships from the Anticancer Properties of Ruthenium(II) Arene Complexes with 2-Aryldiazole Ligands. Inorganic Chemistry, 2014, 53, 11274-11288.	4.0	84
20	RNA triplex-to-duplex and duplex-to-triplex conversion induced by coralyne. Physical Chemistry Chemical Physics, 2014, 16, 6012.	2.8	32
21	Phenanthroline ligands are biologically more active than their corresponding ruthenium(<scp>ii</scp>) arene complexes. Dalton Transactions, 2014, 43, 2629-2645.	3.3	34
22	The mechanism of the Cu2+[12-MCCu(Alaha)-4] metallacrown formation and lanthanum(iii) encapsulation. Dalton Transactions, 2014, 43, 9271-9282.	3.3	12
23	New Insights into the Mechanism of the DNA/Doxorubicin Interaction. Journal of Physical Chemistry B, 2014, 118, 1288-1295.	2.6	172
24	Anticancer Activity and DNA Binding of a Bifunctional Ru(II) Arene Aqua-Complex with the 2,4-Diamino-6-(2-pyridyl)-1,3,5-triazine Ligand. Inorganic Chemistry, 2013, 52, 9962-9974.	4.0	67
25	DNA-binding of nickel(II), copper(II) and zinc(II) complexes: Structureâ€“affinity relationships. Coordination Chemistry Reviews, 2013, 257, 2848-2862.	18.8	240
26	Microwave Dielectric Relaxation Spectroscopy Study of Alkan-1-ol/Alkylbenzoate Binary Solvents. Journal of Physical Chemistry B, 2013, 117, 11765-11771.	2.6	28
27	Interaction of Thionine with Triple-, Double-, and Single-Stranded RNAs. Journal of Physical Chemistry B, 2013, 117, 38-48.	2.6	35
28	The mode of binding ACMAâ€“DNA relies on the base-pair nature. Organic and Biomolecular Chemistry, 2012, 10, 2594.	2.8	13
29	Mechanism of Ni2+ and NiOH+ interaction with hydroxamic acids in SDS: evaluation of the contributions to the equilibrium and rate parameters in the aqueous and micellar phase. Dalton Transactions, 2012, 41, 7372.	3.3	11
30	Heat Capacity Behavior and Structure of Alkan-1-ol/Alkylbenzoate Binary Solvents. Journal of Physical Chemistry B, 2012, 116, 9768-9775.	2.6	9
31	Preparation of Organometallic Rutheniumâ€“Areneâ€“Diaminotriazine Complexes as Binding Agents to DNA. Chemistry - an Asian Journal, 2012, 7, 788-801.	3.3	36
32	ACMA (9-amino-6-chloro-2-methoxy acridine) forms three complexes in the presence of DNA. Physical Chemistry Chemical Physics, 2011, 13, 19534.	2.8	16
33	Route to Metallacrowns: The Mechanism of Formation of a Dinuclear Iron(III)-Salicylhydroxamate Complex. Inorganic Chemistry, 2011, 50, 10152-10162.	4.0	5
34	Preferential Solvation in Alkan-1-ol/Alkylbenzoate Binary Mixtures by Solvatochromic Probes. Journal of Physical Chemistry B, 2011, 115, 10259-10269.	2.6	29
35	Phosphine and Thiophene Cyclopalladated Complexes: Hydrolysis Reactions in Strong Acidic Media. Chemistry - an Asian Journal, 2010, 5, 2530-2540.	3.3	1
36	Biological assays and noncovalent interactions of pyridine-2-carbaldehyde thiosemicarbazonecopper(II) drugs with [poly(dAâ€“dT)]2, [poly(dGâ€“dC)]2, and calf thymus DNA. Journal of Biological Inorganic Chemistry, 2010, 15, 515-532.	2.6	39

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37	Evaluation of proton activity in microemulsions by a kinetic probe. Journal of Colloid and Interface Science, 2010, 352, 465-469.	9.4	1
38	New aspects of the interaction of the antibiotic coralyne with RNA: coralyne induces triple helix formation in poly(rA)â€¢poly(rU). Nucleic Acids Research, 2010, 38, 1697-1710.	14.5	32
39	Change of the Binding Mode of the DNA/Proflavine System Induced by Ethanol. Journal of Physical Chemistry B, 2010, 114, 8555-8564.	2.6	32
40	Left-handed DNA: intercalation of the cyanine thiazole orange and structural changes. A kinetic and thermodynamic approach. Physical Chemistry Chemical Physics, 2010, 12, 13309.	2.8	20
41	Hydrolysis Mechanisms for the Organopalladium Complex [Pd(CNN)P(OMe)3]BF4in Sulfuric Acid. Journal of Physical Chemistry A, 2009, 113, 9115-9123.	2.5	3
42	Solvent Effects on the Thermodynamics and Kinetics of Coralyne Self-Aggregation. Journal of Physical Chemistry B, 2009, 113, 188-196.	2.6	34
43	High-Pressure Study of the Methylsulfate and Tosylate Imidazolium Ionic Liquids. Journal of Physical Chemistry B, 2009, 113, 5593-5606.	2.6	52
44	Interaction of the DNA bases and their mononucleotides with pyridine-2-carbaldehyde thiosemicarbazonecopper(II) complexes. Structure of the cytosine derivative. Journal of Inorganic Biochemistry, 2008, 102, 1892-1900.	3.5	37
45	Liquid structure of ethyl lactate, pure and water mixed, as seen by dielectric spectroscopy, solvatochromic and thermophysical studies. Chemical Physics Letters, 2008, 454, 49-55.	2.6	55
46	Liquidâ€“liquid equilibria of lactam containing binary systems. Fluid Phase Equilibria, 2008, 266, 90-100.	2.5	15
47	On the Properties of Methylbenzoate/n-Hexane Mixed Solvents:â€‰ A Theoretical and Experimental Study. Journal of Physical Chemistry B, 2008, 112, 5047-5057.	2.6	3
48	Role of the Third Strand in the Binding of Proflavine and Pt-Proflavine to Poly(rA)Â·2poly(rU): A Thermodynamic and Kinetic Study. Journal of Physical Chemistry B, 2008, 112, 7132-7139.	2.6	53
49	Measurements and Predictive Models for the N-Methyl-2-pyrrolidone/Water/Methanol System. Journal of Physical Chemistry B, 2008, 112, 11361-11373.	2.6	40
50	Structure-Composition Relationships in Ternary Solvents Containing Methylbenzoate. Journal of Physical Chemistry B, 2008, 112, 3420-3431.	2.6	1
51	A Kirkwoodâ€“Buff analysis of local properties of solutions. Physical Chemistry Chemical Physics, 2008, 10, 2451.	2.8	31
52	Kinetic Study of the Hexacyanoferrate (III) Oxidation of Dihydroxyfumaric Acid in Acid Media. Journal of Physical Chemistry A, 2008, 112, 4921-4928.	2.5	12
53	Properties of 1,8-Cineole:â€‰ A Thermophysical and Theoretical Study. Journal of Physical Chemistry B, 2007, 111, 3167-3177.	2.6	43
54	Structural NMR and ab Initio Study of Salicylhydroxamic and p-Hydroxybenzohydroxamic Acids:â€‰ Evidence for an Extended Aggregation. Journal of Organic Chemistry, 2007, 72, 7832-7840.	3.2	24

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55	Properties and Structure of Aromatic Ester Solvents. Journal of Physical Chemistry B, 2007, 111, 4417-4431.	2.6	12
56	Thermodynamics and Kinetics of the Nickel(II)â^'Salicylhydroxamic Acid System. Phenol Rotation Induced by Metal Ion Binding. Inorganic Chemistry, 2007, 46, 3680-3687.	4.0	9
57	On the properties of 1-butyl-3-methylimidazolium octylsulfate ionic liquid. Green Chemistry, 2007, 9, 221-232.	9.0	130
58	Microwave dielectric spectroscopy of 2-pyrrolidone+water mixtures. Chemical Physics Letters, 2007, 444, 252-257.	2.6	18
59	Intercalation of Ethidium into Triple-Strand Poly(rA)Â·2Poly(rU):Â A Thermodynamic and Kinetic Study. Journal of Physical Chemistry B, 2006, 110, 16131-16138.	2.6	42
60	PVTxMeasurements of theN-Methylpyrrolidone/Methanol Mixed Solvent:Â Cubic and SAFT EOS Analyses. Journal of Physical Chemistry B, 2006, 110, 6933-6942.	2.6	16
61	Hydrolysis Mechanisms for Indomethacin and Acemethacin in Perchloric Acid. Journal of Organic Chemistry, 2006, 71, 3718-3726.	3.2	12
62	Protonation Sites of Indoles and Benzoylindoles. European Journal of Organic Chemistry, 2005, 2005, 1161-1171.	2.4	14
63	Soluteâ€"solvent interactions in lactamsâ€"water ternary solvents. New Journal of Chemistry, 2005, 29, 817.	2.8	18
64	Thermophysical Behavior of n-Alkane + Alkylbenzoate Mixed Solvents. Measurements and Properties Modeling. Industrial & Engineering Chemistry Research, 2005, 44, 7575-7583.	3.7	56
65	Structures of Alkyl Benzoate Binary Mixtures. A Kirkwoodâ^'Buff Fluctuation Theory Study Using UNIFAC. Journal of Physical Chemistry B, 2005, 109, 19908-19914.	2.6	12
66	Characterization and Preferential Solvation of the Hexane/Hexan-1-ol/Methylbenzoate Ternary Solvent. Journal of Physical Chemistry B, 2005, 109, 6375-6385.	2.6	14
67	Comments on â€œDensities, Viscosities, Speeds of Sound, and Relative Permittivities for Water + Cyclic Amides (2-Pyrrolidinone, 1-Methyl-2-pyrrolidinone, and 1-Vinyl-pyrrolidinone) at Different Temperaturesâ€•(George J.; Sastry N. V.J. Chem. Eng.Data2004,49, 235â^'242). Journal of Chemical & Engineering Data, 2005, 50, 293-294.	1.9	0
68	Conformations, Protonation Sites, and Metal Complexation of Benzohydroxamic Acid. A Theoretical and Experimental Study. Inorganic Chemistry, 2005, 44, 2908-2919.	4.0	34
69	Acidâ€"base behaviour of organopalladium complexes [Pd(CNN)R]BF4. New Journal of Chemistry, 2004, 28, 1450-1456.	2.8	8
70	Kinetics and Equilibria of the Interactions of Hydroxamic Acids with Gallium(III) and Indium(III). Inorganic Chemistry, 2004, 43, 3005-3012.	4.0	12
71	Measurements and Modeling of Thermophysical Behavior of (C1â^' C4) Alkylbenzoate/ (C1â^' C11) Alkan-1-ol Mixed Solvents. Journal of Physical Chemistry B, 2004, 108, 15841-15850.	2.6	152
72	Characterization of Lactam-Containing Binary Solvents by Solvatochromic Indicators. Journal of Physical Chemistry B, 2004, 108, 3024-3029.	2.6	55

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73	Modeling the PVTx Behavior of the N-Methylpyrrolidinone/Water Mixed Solvent. Industrial & Engineering Chemistry Research, 2004, 43, 3205-3215.	3.7	34
74	Thermophysical Behavior and Temperature Effect on the N-Methylpyrrolidone + (C1â˜'C10) Alkan-1-ols Mixed Solvents. Industrial & Engineering Chemistry Research, 2003, 42, 920-928.	3.7	15
75	NMR Studies of Phenylbenzohydroxamic Acid and Kinetics of Complex Formation with Nickel(II). Inorganic Chemistry, 2003, 42, 5434-5441.	4.0	27
76	Preferential Solvation in Ternary Solutions Containing Methylbenzoate. A Kirkwoodâ˜'Buff Fluctuation Theory Study. Journal of Physical Chemistry B, 2003, 107, 13478-13486.	2.6	19
77	Deprotonation Sites of Acetohydroxamic Acid Isomers. A Theoretical and Experimental Study. Journal of Organic Chemistry, 2003, 68, 6535-6542.	3.2	47
78	Volumetric properties, viscosities and refractive indices of binary mixed solvents containing methyl benzoate. Physical Chemistry Chemical Physics, 2002, 4, 5833-5840.	2.8	42
79	Thermophysical Behavior of Methylbenzoate + n-Alkanes Mixed Solvents. Application of Cubic Equations of State and Viscosity Models. Industrial & Engineering Chemistry Research, 2002, 41, 4399-4408.	3.7	66
80	The N-methylpyrrolidoneâ€“(C1â€“C10) alkan-1-ols solvent systemsElectronic Supplementary Information (ESI) available: Properties of pure components, densities, viscosities and refractive indices of mixtures NMP(1)â€‰+â€‰alkan-1-ols(2) at 298.15 K (Tables S1â€“S4). See http://www.rsc.org/suppdata/cp/b1/b109709c/. Physical Chemistry Chemical Physics, 2002, 4, 1170-1177.	2.8	78
81	Hydroxamic Acids as Weak Base Indicators:Â Protonation in Strong Acid Media. Journal of Organic Chemistry, 2001, 66, 7986-7993.	3.2	26
82	Soluteâ€“solvent interactions in the (N,N-dimethylformamide + N-methylformamide + water) ternary system at 298.15 K. Physical Chemistry Chemical Physics, 2001, 3, 2866-2871.	2.8	27
83	Kinetics of the Interaction of Indium(III) with 8-Quinolinol-5-sulfonic Acid and with Sulfate. Chemistry - A European Journal, 2001, 7, 4613-4620.	3.3	10
84	Theoretical and Experimental Study of the Acetohydroxamic Acid Protonation: The Solvent Effect. Chemistry - A European Journal, 2000, 6, 2644-2652.	3.3	13
85	Kinetics and Equilibria of the Interaction of Indium(III) with Pyrocathecol Violet by Relaxation Spectrometry. Journal of Physical Chemistry A, 2000, 104, 7036-7043.	2.5	11
86	Modeling of Protonation Processes in Acetohydroxamic Acid. Journal of Organic Chemistry, 2000, 65, 405-410.	3.2	114
87	Hydrolysis Mechanisms for the Acetylpyridinephenylhydrazone Ligand in Sulfuric Acid. Journal of Organic Chemistry, 2000, 65, 3781-3787.	3.2	13
88	Outer-sphere hexacyanoferrate(III) oxidation of organic substrates. Coordination Chemistry Reviews, 1998, 173, 79-131.	18.8	45
89	Acid-base behavior of some orthopalladated complexes. Reactive and Functional Polymers, 1998, 36, 227-233.	4.1	3
90	Shear viscosities of the N-methylformamideâ€“ and N,N-dimethylformamideâ€“(C1â€“C 10) alkan-1-ol solvent systems. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 1115-1118.	1.7	74

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91	Soluteâ^'Solvent Interactions in Amideâ^'Water Mixed Solvents. Journal of Physical Chemistry B, 1997, 101, 7991-7997.	2.6	133
92	VOLUMETRIC BEHAVIOUR OFN-METHYLFORMAMIDE-(C1-C10)ALKAN-1-OL ANDN,N-DIMETHYLFORMAMIDE-(C1-C10)ALKAN-1-OL SOLVENT SYSTEMS. Journal of Physical Organic Chemistry, 1997, 10, 138-144.	1.9	16
93	Formamideâ€"(C1â€"C5) alkan-1-ols solvent systems. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3347-3352.	1.7	98
94	Shear viscosities of binary mixtures of pyrrolidin-2-one with C6â€"C10n-alkan-1-ols. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 219-225.	1.7	42
95	Molar excess volumes of binary liquid mixtures: 2-pyrrolidinone with C6â€"C10n-alkanols. Canadian Journal of Chemistry, 1996, 74, 121-127.	1.1	22
96	Zwitterionic pyridinecarboxylic acids. Journal of Physical Organic Chemistry, 1996, 9, 593-597.	1.9	26
97	Studies on densities and viscosities of binary mixtures of alkyl benzoates in n-heptane. Thermochimica Acta, 1993, 222, 127-136.	2.7	28
98	Acidity constants of benzamide and someOrtho-substituted derivatives. Journal of Physical Organic Chemistry, 1993, 6, 101-106.	1.9	17
99	Activation thermodynamic parameters of binary mixtures of propionic acid ando-substituted anilines. Journal of Solution Chemistry, 1993, 22, 797-807.	1.2	7
100	Alkali-metal ion catalysis of the oxidation of L-ascorbic acid by hexacyanoferrate(III) in strongly acidic media. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3571.	1.7	43
101	Excess properties for binary liquid mixtures of propionic acid with aniline derivatives. Canadian Journal of Chemistry, 1991, 69, 369-372.	1.1	6
102	Shear viscosities of binary liquid mixtures: 2-pyrrolidinone with 1-alkanols. Journal of Chemical & Engineering Data, 1991, 36, 269-274.	1.9	102
103	Determination of limiting molar conductivities of weak organic acids in aqueous solutions. Collection of Czechoslovak Chemical Communications, 1991, 56, 1184-1192.	1.0	2
104	Thermodynamics of 2-pyrrolidinone + n-alkanol binary mixtures: activation properties. Thermochimica Acta, 1991, 180, 159-167.	2.7	3
105	Densities and viscosities of mixing for the binary system of methyl benzoate with n-nonane at different temperatures. Thermochimica Acta, 1991, 186, 285-292.	2.7	19
106	On the initial treatment of kinetic data. Reaction Kinetics and Catalysis Letters, 1991, 45, 125-131.	0.6	1
107	Applicability of excess acidity functions in low-acidity media. Journal of Physical Organic Chemistry, 1991, 4, 413-419.	1.9	4
108	Acid-Base Equilibria of Minoxidil. Analytical Letters, 1991, 24, 391-411.	1.8	6

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109	The differential method in chemical kinetics. Journal of the Chemical Society Perkin Transactions II, 1990, , 407.	0.9	2
110	Acidâ€“base behaviour of the ferricyanide ion in perchloric acid media. Spectrophotometric and kinetic study. Canadian Journal of Chemistry, 1990, 68, 228-235.	1.1	46
111	A discussion of the Hammett acidity function. Study of some weak bases. Journal of the Chemical Society Perkin Transactions II, 1988, , 1759-1768.	0.9	7
112	Overlapping equilibria: Applications to m-aminobenzoic acid. Collection of Czechoslovak Chemical Communications, 1987, 52, 1087-1096.	1.0	8
113	Acidâ€“base behaviour of the ferrocyanide ion in perchloric acid media potentiometric and spectrophotometric study. Canadian Journal of Chemistry, 1987, 65, 583-589.	1.1	27
114	The pKBH+ calculation of strong bases: A revision of various methods. Collection of Czechoslovak Chemical Communications, 1987, 52, 299-307.	1.0	12
115	The electroreduction of heptaphenyltropylium ion to the free radical in acetonitrile. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1978, 91, 275-279.	0.1	8