

Alain Chaumont

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.

66

papers

1,653

citations

22

h-index

39

g-index

67

ext. papers

1,770

ext. citations

4.7

avg, IF

4.75

L-index

#	Paper	IF	Citations
66	Chemistry on the Complex: Derivatization of TiO ₂ N-Based Complexes and Application to Multi-Step Synthesis. <i>Chemistry - A European Journal</i> , 2021 , 27, 17910	4.8	1
65	Hydrogen Bonding and Vaporization Thermodynamics in Hexafluoroisopropanol-Acetone and -Methanol Mixtures. A Jointed Cluster Analysis and Molecular Dynamic Study. <i>ChemPhysChem</i> , 2021 ,	3.2	1
64	Cold-spray ionization mass spectrometry of the choline chloride-urea deep eutectic solvent (reline). <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4725	2.2	2
63	Autonomous Growth of a Spatially Localized Supramolecular Hydrogel with Autocatalytic Ability. <i>Angewandte Chemie</i> , 2020 , 132, 14666-14671	3.6	4
62	Autonomous Growth of a Spatially Localized Supramolecular Hydrogel with Autocatalytic Ability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14558-14563	16.4	17
61	Supramolecular Hydrogel Induced by Electrostatic Interactions between Polycation and Phosphorylated-Fmoc-Tripeptide. <i>Chemistry of Materials</i> , 2020 , 32, 1946-1956	9.6	19
60	Unexpected aqueous UCST behavior of a cationic comb polymer with pentaarginine side chains. <i>European Polymer Journal</i> , 2020 , 125, 109528	5.2	3
59	Bent 1,10-Phenanthroline Ligands within Octahedral Complexes Constructed around a TiON Core. <i>Inorganic Chemistry</i> , 2020 , 59, 12005-12016	5.1	4
58	Is Charge Scaling Really Mandatory when Developing Fixed-Charge Atomistic Force Fields for Deep Eutectic Solvents?. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 7239-7250	3.4	12
57	Symmetry Decrease between Self-Assembled Circular TiO ₄ N ₂ -Based Helicates. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3527-3531	2.3	1
56	A Bis-Acrinium Macrocyclic as Multi-Responsive Receptor and Selective Phase-Transfer Agent of Perylene. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23206-23212	16.4	5
55	Reversible Soft Mechanochemical Control of Biaryl Conformations through Crosslinking in a 3D Macromolecular Network. <i>Angewandte Chemie</i> , 2020 , 132, 23483-23490	3.6	2
54	Dipyrrolyldiketonato Titanium(IV) Complexes from Monomeric to Multinuclear Architectures: Synthesis, Stability, and Liquid-Crystal Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 12802-12816	5.1	4
53	Reversible Soft Mechanochemical Control of Biaryl Conformations through Crosslinking in a 3D Macromolecular Network. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23283-23290	16.4	2
52	A Bis-Acrinium Macrocyclic as Multi-Responsive Receptor and Selective Phase-Transfer Agent of Perylene. <i>Angewandte Chemie</i> , 2020 , 132, 23406-23412	3.6	4
51	Supported Catalytically Active Supramolecular Hydrogels for Continuous Flow Chemistry. <i>Angewandte Chemie</i> , 2019 , 131, 18993-18998	3.6	5
50	The Motion of an Azobenzene Light-Controlled Switch: A Joint Theoretical and Experimental Approach. <i>ChemSystemsChem</i> , 2019 , 1, e1900003	3.1	0

49	Evaluation of the stereoselectivity for titanium(IV)-based coordination entities induced by the enantiopure diphenylethene-1,2-diamine ligand. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119119	2.7	2
48	Supported Catalytically Active Supramolecular Hydrogels for Continuous Flow Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18817-18822	16.4	23
47	Mimicking the Chemistry of Natural Eumelanin Synthesis: The KE Sequence in Polypeptides and in Proteins Allows for a Specific Control of Nanosized Functional Polydopamine Formation. <i>Biomacromolecules</i> , 2018 , 19, 3693-3704	6.9	18
46	Assembly Mechanism of Zr-Containing and Other TM-Containing Polyoxometalates. <i>Inorganic Chemistry</i> , 2017 , 56, 4148-4156	5.1	12
45	Control of Surface-Localized, Enzyme-Assisted Self-Assembly of Peptides through Catalyzed Oligomerization. <i>Langmuir</i> , 2017 , 33, 8267-8276	4	21
44	Monomeric Ti(IV)-based complexes incorporating luminescent nitrogen ligands: synthesis, structural characterization, emission spectroscopy and cytotoxic activities. <i>Dalton Transactions</i> , 2016 , 45, 19072-19085	4.3	11
43	Stretch-Induced Helical Conformations in Poly(L-lysine)/Hyaluronic Acid Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14958-65	9.5	11
42	Identification of Zr(IV)-based architectures generated from ligands incorporating the 2,2'-biphenolato unit. <i>Dalton Transactions</i> , 2016 , 45, 7998-8007	4.3	4
41	Titanium oxo-clusters derivatized from the Ti10O12(cat)8(py)8 complex: structural investigation and spectroscopic studies of light absorption. <i>Dalton Transactions</i> , 2016 , 45, 8760-9	4.3	14
40	Formation of Long, Multicenter [TCNE] Dimers in Solution: Solvation and Stability Assessed through Molecular Dynamics Simulations. <i>Chemistry - A European Journal</i> , 2016 , 22, 17037-17046	4.8	7
39	Distributed polarizability models for imidazolium-based ionic liquids. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 8842-51	2.8	6
38	Nature of Zr-monosubstituted monomeric and dimeric polyoxometalates in water solution at different pH conditions: static density functional theory calculations and dynamic simulations. <i>Inorganic Chemistry</i> , 2014 , 53, 778-86	5.1	20
37	Interactions between Keggin Anions in Water: The Higher Their Charge, the Higher Their Condensation? A Simulation Study. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1556-1556	2.3	2
36	Interactions between Keggin Anions in Water: The Higher Their Charge, the Higher Their Condensation? A Simulation Study. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1835-1853	2.3	23
35	Unraveling the role of water in the stereoselective step of aqueous proline-catalyzed aldol reactions. <i>Chemistry - A European Journal</i> , 2012 , 18, 15868-74	4.8	16
34	Water versus acetonitrile coordination to uranyl. Effect of chloride ligands. <i>Inorganic Chemistry</i> , 2012 , 51, 1943-52	5.1	23
33	Perrhenate complexation by uranyl in traditional solvents and in ionic liquids: a joint molecular dynamics/spectroscopic study. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 3205-19	3.4	19
32	Do Keggin anions repulse each other in solution? The effect of solvent, counterions and ion representation investigated by free energy (PMF) simulations. <i>Comptes Rendus Chimie</i> , 2012 , 15, 107-117	2.7	22

31	Speciation of La(III) chloride complexes in water and acetonitrile: a density functional study. <i>Inorganic Chemistry</i> , 2012 , 51, 13396-407	5.1	8
30	Bromide complexation by the Eu(III) lanthanide cation in dry and humid ionic liquids: a molecular dynamics PMF study. <i>ChemPhysChem</i> , 2012 , 13, 1677-86	3.2	4
29	Water versus acetonitrile coordination to uranyl. Density functional study of cooperative polarization effects in solution. <i>Inorganic Chemistry</i> , 2011 , 50, 299-308	5.1	48
28	Competitive complexation of nitrates and chlorides to uranyl in a room temperature ionic liquid. <i>Inorganic Chemistry</i> , 2010 , 49, 6484-94	5.1	35
27	Strontium nitrate extraction to ionic liquids by a crown ether: a molecular dynamics study of aqueous interfaces with C4mim+- vs C8mim+-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13773-85	3.4	23
26	THE CONTINUING SEARCH FOR LARGE ELITE PRIMES. <i>International Journal of Number Theory</i> , 2009 , 05, 209-218	0.5	2
25	Polyoxometalate Keggin Anions at Aqueous Interfaces with Organic Solvents, Ionic Liquids, and Graphite: a Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18233-18243	3.8	32
24	Solvation of Ln(III) lanthanide cations in the [BMI][SCN], [MeBu(3)N][SCN], and [BMI](5)[Ln(NCS)(8)] ionic liquids: a molecular dynamics study. <i>Inorganic Chemistry</i> , 2009 , 48, 4277-89	5.1	37
23	Importance of the Liquid-Liquid Interface in Assisted Ion Extraction: New Molecular Dynamics Studies of Cesium Picrate Extraction by a Calix[4]arene. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10610-10622	3.8	17
22	Ion aggregation in concentrated aqueous and methanol solutions of polyoxometallates Keggin anions: the effect of counterions investigated by molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6940-53	3.6	56
21	Chloride complexation by uranyl in a room temperature ionic liquid. A computational study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12014-23	3.4	14
20	Potential proton-release channels in bacteriorhodopsin. <i>ChemPhysChem</i> , 2008 , 9, 2751-8	3.2	16
19	Uranyl coordination in ionic liquids: the competition between ionic liquid anions, uranyl counterions, and Cl- anions investigated by extended X-ray absorption fine structure and UV-visible spectroscopies and molecular dynamics simulations. <i>Inorganic Chemistry</i> , 2007 , 46, 4815-26	5.1	82
18	Solvation of Big- β spherical solutes in room temperature ionic liquids and at their aqueous interface: A molecular dynamics simulation study. <i>Journal of Molecular Liquids</i> , 2007 , 131-132, 36-47	6	22
17	Solvation of uranyl-CMPO complexes in dry vs. humid forms of the [BMI][PF6] ionic liquid. A molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 494-502	3.6	34
16	Halide anion solvation and recognition by a macrotricyclic tetraammonium host in an ionic liquid: a molecular dynamics study. <i>New Journal of Chemistry</i> , 2006 , 30, 537	3.6	21
15	Solvation of fluoro and mixed fluoro/chloro complexes of Eu(III) in the [BMI][PF6] room temperature ionic liquid. A theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1926-32	3.6	36
14	Cation extraction by 18-crown-6 to a room-temperature ionic liquid: The effect of solvent humidity investigated by molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 124-135	3.6	38

13	Aqueous interfaces with hydrophobic room-temperature ionic liquids: a molecular dynamics study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18964-73	3.4	123
12	Europium(III) and its halides in anhydrous room-temperature imidazolium-based ionic liquids: a combined TRES, EXAFS, and molecular dynamics study. <i>Inorganic Chemistry</i> , 2005 , 44, 8355-67	5.1	84
11	Ab initio molecular dynamics of liquid 1,3-dimethylimidazolium chloride. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18591-9	3.4	188
10	Simulations of the Dynamics of 18-Crown-6 and its Complexes: From the Gas Phase to Aqueous Interfaces with SC-CO ₂ and a Room-Temperature Ionic Liquid 2005 , 327-348		4
9	Accumulation of host-guest ion complexes with different counterions at the water-supercritical CO ₂ interface: a molecular dynamics study. <i>Russian Chemical Bulletin</i> , 2004 , 53, 1459-1465	1.7	7
8	Solvation of uranyl(II) and europium(III) cations and their chloro complexes in a room-temperature ionic liquid. A theoretical study of the effect of solvent "humidity". <i>Inorganic Chemistry</i> , 2004 , 43, 5891-901	5.1	100
7	Solvation of uranyl(II), europium(III) and europium(II) cations in "basic" room-temperature ionic liquids: a theoretical study. <i>Chemistry - A European Journal</i> , 2004 , 10, 3919-30	4.8	52
6	M ³⁺ Lanthanide Chloride Complexes in Neutral Room Temperature Ionic Liquids: A Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3311-3319	3.4	50
5	Uranyl and strontium salt solvation in room-temperature ionic liquids. A molecular dynamics investigation. <i>Inorganic Chemistry</i> , 2003 , 42, 5348-56	5.1	61
4	Halide anion capture and recognition by a tetrahedral tetraammonium receptor in water: a molecular dynamics investigation. <i>Chemistry - A European Journal</i> , 2003 , 9, 635-43	4.8	11
3	Solvation of M ³⁺ lanthanide cations in room-temperature ionic liquids. A molecular dynamics investigation. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3481-3488	3.6	86
2	Interfacial Activity of the Diprotonated 222 Cryptand at the Water/"Oil" Interface Revealed by Molecular Dynamics Simulations. <i>Supramolecular Chemistry</i> , 2003 , 15, 133-142	1.8	3
1	Macrotricyclic quaternary tetraammonium receptors: halide anion recognition and interfacial activity at an aqueous interface. A molecular dynamics investigation. <i>Journal of Computational Chemistry</i> , 2002 , 23, 1532-43	3.5	19