

Marc Henry

List of Publications by Year in descending order

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105
papers

8,234
citations

126907

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h-index

46799

89
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109
all docs

109
docs citations

109
times ranked

8013
citing authors

#	ARTICLE	IF	CITATIONS
1	An alternate [2Å–2] grid constructed around TiO ₄ N ₂ units. Chemistry - A European Journal, 2022, , .	3.3	1
2	Is the Second Law of Thermodynamics Able to Classify Drugs?. Substantia, 2022, 6, 37-47.	0.3	0
3	Singlet Dioxygen ¹ O ₂ , its Generation, Physico-Chemical Properties and its Possible Hormetic Behavior in Cancer Therapy. Substantia, 2022, 6, 25-36.	0.3	1
4	Verification of Nuclear Magnetic Resonance Characterization of Traditional Homeopathically Manufactured Metal (Cuprum metallicum) and Plant (Gelsemium sempervirens) Medicines and Controls. Homeopathy, 2021, 110, 042-051.	1.0	6
5	Metabolic Shifts as the Hallmark of Most Common Diseases: The Quest for the Underlying Unity. International Journal of Molecular Sciences, 2021, 22, 3972.	4.1	8
6	Thermodynamics of Life. Substantia, 2021, 5, .	0.3	1
7	Bent 1,10-Phenanthroline Ligands within Octahedral Complexes Constructed around a TiO ₄ N ₂ Core. Inorganic Chemistry, 2020, 59, 12005-12016.	4.0	5
8	Symmetry Decrease between Self-Assembled Circular TiO ₄ N ₂ -Based Helicates. European Journal of Inorganic Chemistry, 2020, 2020, 3527-3531.	2.0	3
9	Dipyrrolyldiketonato Titanium(IV) Complexes from Monomeric to Multinuclear Architectures: Synthesis, Stability, and Liquid-Crystal Properties. Inorganic Chemistry, 2020, 59, 12802-12816.	4.0	6
10	Crystal formation of 1D coordination polymers based on chiral, achiral and racemic 1,2-cyclohexane scaffolds. CrystEngComm, 2020, 22, 1746-1753.	2.6	2
11	Evaluation of the stereoselectivity for titanium(IV)-based coordination entities induced by the enantiopure diphenylethene-1,2-diamine ligand. Inorganica Chimica Acta, 2019, 498, 119119.	2.4	4
12	From a bulk solid to thin films of a hybrid material derived from the [Ti ₁₀ O ₁₂ (cat) ₈ (py) ₈] oxo-cluster and poly(4-vinylpyridine). New Journal of Chemistry, 2019, 43, 1581-1588.	2.8	3
13	Water and Its Mysteries. Inference, 2019, 4, .	0.0	0
14	The Fourth State of Water. Inference, 2019, 4, .	0.0	0
15	The Virus. Inference, 2019, 5, .	0.0	0
16	From monomeric complexes to double-stranded helicates constructed around <i>trans</i> -TiO ₄ N ₂ motifs with intramolecular inter-ligand hydrogen-bonding interactions. Dalton Transactions, 2018, 47, 11113-11122.	3.3	8
17	Investigation of the protonation state of the macrocyclic {H _n P ₈ W ₄₈ O ₁₈₄ } anion by modeling ¹⁸³ W NMR chemical shifts. New Journal of Chemistry, 2017, 41, 6112-6119.	2.8	3
18	Titanium(IV)-based helicates incorporating the ortho-phenylenediamine ligand: a structural and a computational investigation. Dalton Transactions, 2017, 46, 7594-7602.	3.3	9

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19	Nuclear Magnetic Resonance characterization of traditional homeopathically manufactured copper (I) Tj ETQq1 1 0.784314 rgBT /Ove 106, 223-239.	1.0	21
20	Identification of Zr(IV)-based architectures generated from ligands incorporating the 2,2'-biphenolato unit. Dalton Transactions, 2016, 45, 7998-8007.	3.3	4
21	Titanium oxo-clusters derivatized from the $\text{Ti}_{10}\text{O}_{12}(\text{cat})_8(\text{py})_8$ complex: structural investigation and spectroscopic studies of light absorption. Dalton Transactions, 2016, 45, 8760-8769.	3.3	18
22	Hofmeister series: The quantum mechanical viewpoint. Current Opinion in Colloid and Interface Science, 2016, 23, 119-125.	7.4	10
23	Monomeric $\text{Ti}(\text{IV})$ -based complexes incorporating luminescent nitrogen ligands: synthesis, structural characterization, emission spectroscopy and cytotoxic activities. Dalton Transactions, 2016, 45, 19072-19085.	3.3	14
24	Practical improvements in soil redox potential (Eh) measurement for characterisation of soil properties. Application for comparison of conventional and conservation agriculture cropping systems. Analytica Chimica Acta, 2016, 906, 98-109.	5.4	58
25	Super-Saturated Chemistry. Inference, 2016, 2, .	0.0	1
26	A Bowl-Shaped Circular Trinuclear Helicate Generated from a TiO_4N_2 Motif by a Multicomponent Self-Assembly Approach. Chemistry - A European Journal, 2015, 21, 2435-2441.	3.3	17
27	The Hydrogen Bond. Inference, 2015, 1, .	0.0	1
28	Structural Investigation of Pyridinecarboxylato Titanium(IV) Complexes: An Uncommon Monomeric Octacoordinated Complex vs. a Hexaprismatic Architecture. European Journal of Inorganic Chemistry, 2014, 2014, 357-363.	2.0	7
29	An unprecedented high nuclearity catecholato-based $\text{Ti}(\text{IV})$ -architecture bearing labile pyridine ligands. Dalton Transactions, 2014, 43, 3416-3419.	3.3	18
30	Chemical and Structural Indicators for Large Redox Potentials in Fe-Based Positive Electrode Materials. ACS Applied Materials & Interfaces, 2014, 6, 10832-10839.	8.0	50
31	A Remarkable Solvent Effect on the Nuclearity of Neutral Titanium(IV)-Based Helicate Assemblies. Chemistry - A European Journal, 2014, 20, 5092-5101.	3.3	28
32	Serendipitous Self-Assembly of Cyclometalated Complexes through Hydrogen Bonds: Dimers or Chains within Compact or Porous Networks. Organometallics, 2013, 32, 6195-6200.	2.3	3
33	Synthesis, topology and energy analysis of crystalline resorcinol-based oligophenylene molecules with various symmetries. CrystEngComm, 2013, 15, 6845.	2.6	10
34	Toward colored reticular titanium-based hybrid networks: Evaluation of the reactivity of the $[\text{Ti}_8\text{O}_8(\text{OOCCH}_2\text{But})_{16}]$ wheel with phenol, resorcinol and catechol. Polyhedron, 2013, 57, 70-76.	2.2	23
35	Physico-Chemical, Biological and Therapeutic Characteristics of Electrolyzed Reduced Alkaline Water (ERAW). Water (Switzerland), 2013, 5, 2094-2115.	2.7	39
36	Rational Synthesis of a Family of Neutral Monomeric Heteroleptic Titanium Complexes Based on an Octahedral TiO_4N_2 Motif. European Journal of Inorganic Chemistry, 2012, 2012, 5701-5713.	2.0	19

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37	New Insights into an Old Molecule: Interaction Energies of Theophylline Crystal Forms. <i>Crystal Growth and Design</i> , 2012, 12, 1395-1401.	3.0	51
38	Emergence of the Coherent Structure of Liquid Water. <i>Water (Switzerland)</i> , 2012, 4, 510-532.	2.7	63
39	Stereoselective Synthesis of Biphenolate/Binaphtholate Titanate and Zirconate Alkoxide Species: Structural Characterization and Use in the Controlled ROP of Lactide. <i>Inorganic Chemistry</i> , 2012, 51, 10876-10883.	4.0	34
40	A guest-induced reversible switching of a self-assembled H-bonded supramolecular framework. <i>Chemical Communications</i> , 2011, 47, 9630.	4.1	4
41	The Structure of Water in <i>p</i> -Sulfonatocalix[4]arene. <i>Chemistry - A European Journal</i> , 2011, 17, 10259-10271.	3.3	46
42	Polyoxomolybdate-based selective membranes for chemical protection. <i>Journal of Membrane Science</i> , 2011, 373, 196-201.	8.2	26
43	Synthetic Approaches to Zigzag-Shaped Oligophenylene Strands Laterally Decorated with Hydroxy Functions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6949-6956.	2.4	13
44	Full spectroscopic characterization of an hydrolytically stable and colored Ti(IV)-precursor in solution. <i>Comptes Rendus Chimie</i> , 2010, 13, 69-96.	0.5	15
45	Magnetic Properties of Segregated Layers Containing $MII_3(\frac{1}{4}3\tilde{O}H)_2$ ($M = Co$ or Ni) Diamond Chains Bridged by cis,cis,cis-1,2,4,5-Cyclohexanetetracarboxylate. <i>Inorganic Chemistry</i> , 2010, 49, 9700-9708.	4.0	12
46	Spontaneous Symmetry Breaking during Self-Assembly of a Double Stranded Biphenolate-Based Ti(IV)-Helicate. <i>Inorganic Chemistry</i> , 2010, 49, 6369-6371.	4.0	16
47	Water: Facts without Myths. <i>Water (Switzerland)</i> , 2009, 1, 3-4.	2.7	3
48	Molecular tectonics: design of 2-D networks by simultaneous use of charge-assisted hydrogen and coordination bonds. <i>Chemical Communications</i> , 2009, , 6786.	4.1	25
49	Molecular Weights of Cyclic and Hollow Clusters Measured by DOSY NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 17254-17259.	13.7	82
50	Synthesis and characterization of a monomeric octahedral C ₂ -symmetric titanium complex bearing two 3,3'-diphenyl-2,2'-biphenol ligands. <i>Dalton Transactions</i> , 2009, , 10178.	3.3	20
51	Changing the Oxothiomolybdate Ring from an Anionic to a Cationic Receptor. <i>Inorganic Chemistry</i> , 2007, 46, 9516-9518.	4.0	6
52	Extending the {(Mo)Mo ₅ } ₁₂ M ₃₀ Capsule Keplerate Sequence: A {Cr ₃₀ } Cluster of S=3/2 Metal Centers with a {Na(H ₂ O) ₁₂ } Encapsulate. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6106-6110.	13.8	141
53	Thermodynamic analysis of the immersion of a smectite substituted with Na or Ca: Heat effect due to the cation. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 531-542.	9.4	13
54	Surface energy of talc and chlorite: Comparison between electronegativity calculation and immersion results. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 352-360.	9.4	31

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55	Study of the surface energy of montmorillonite using PACHA formalism. <i>Journal of Colloid and Interface Science</i> , 2007, 306, 175-182.	9.4	14
56	Reactions inside a porous nanocapsule/artificial cell: encapsulates' structuring directed by internal surface deprotonations. <i>Chemical Communications</i> , 2006, , 3396-3398.	4.1	21
57	Chemistry of 2,2,6,6,-Tetramethyl-3,5-heptanedione (Hthd) Modification of Zirconium and Hafnium Propoxide Precursors. <i>Inorganic Chemistry</i> , 2006, 45, 4938-4950.	4.0	44
58	Determination of the surface energy of kaolinite and serpentine using PACHA formalismâ€”Comparison with immersion experiments. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 617-626.	9.4	18
59	Chameleon water: assemblies confined in nanocapsules. <i>Journal of Molecular Liquids</i> , 2005, 118, 155-162.	4.9	33
60	Coordination chemistry under confined conditions: a simplified illustrative view. <i>Comptes Rendus Chimie</i> , 2005, 8, 47-56.	0.5	17
61	Cooperative Hydrogen-Bonding Effects in a Water Square: A Single-Crystal Neutron and Partial Atomic Charges and Hardness Analysis Study. <i>Journal of the American Chemical Society</i> , 2005, 127, 11063-11074.	13.7	64
62	Is Water Templating Nanoporous Materials?. <i>Chemistry - A European Journal</i> , 2004, 10, 1366-1372.	3.3	54
63	A Rationale for the Large Breathing of the Porous Aluminum Terephthalate (MIL-53) Upon Hydration. <i>Chemistry - A European Journal</i> , 2004, 10, 1373-1382.	3.3	1,815
64	Molecular templating using titanium(IV)(oxo)alkoxides and titanium(IV)(oxo)aryloxides. <i>Journal of Materials Chemistry</i> , 2004, 14, 3215.	6.7	36
65	General principles driving the chemical reactivity of titanium(IV) alkoxides Electronic supplementary information (ESI) available: computational details, final crystal structure in CIF format and charge distribution from the PACHA output for the complexes described in the text. See http://www.rsc.org/suppdata/nj/b3/b312486j/ . <i>New Journal of Chemistry</i> , 2004, 28, 764.	2.8	24
66	Molecular tectonics: geometry and energy based analysis of coordination networks. <i>New Journal of Chemistry</i> , 2004, 28, 897.	2.8	41
67	Incorporation of Lithium and Sodium in MIL-74 Super-Sodalites: A ₂ M ₇ (PO ₄) ₁₂ ·4nH ₂ O (with A = Li) <i>J. Phys. Chem. C</i> 2004, 108, 10784-10794	2.6	10
68	Unraveling Water Structure Inside and Between Nanocapsules. <i>Journal of Cluster Science</i> , 2003, 14, 267-287.	3.3	10
69	First-principles derivation of vacuum surface energies from crystal structures. <i>Solid State Sciences</i> , 2003, 5, 1201-1205.	3.2	9
70	MIL-50, an Open-Framework GaPO with a Periodic Pattern of Small Water Ponds and Dry Rubidium Atoms: A Combined XRD, NMR, and Computational Study. <i>ChemInform</i> , 2003, 34, no.	0.0	0
71	Nanocapsule water-based chemistry. <i>Comptes Rendus Chimie</i> , 2003, 6, 1201-1208.	0.5	26
72	Calculation of surface enthalpy of solids from an ab initio electronegativity based model: case of ice. <i>Journal of Colloid and Interface Science</i> , 2003, 263, 554-561.	9.4	23

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73	MIL-50, an Open-Framework GaPO with a Periodic Pattern of Small Water Ponds and Dry Rubidium Atoms: A Combined XRD, NMR, and Computational Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 1912-1922.	13.7	66
74	Order-Disorder in the Super-Sodalite Zn ₃ Al ₆ (PO ₄) ₁₂ ·4tren·17H ₂ O (MIL-74): A Combined XRD-NMR Assessment. <i>Journal of the American Chemical Society</i> , 2003, 125, 9102-9110.	13.7	85
75	Nonempirical Quantification of Molecular Interactions in Supramolecular Assemblies. <i>ChemPhysChem</i> , 2002, 3, 561-569.	2.1	81
76	Thermodynamics of Hydrogen Bond Patterns in Supramolecular Assemblies of Water Molecules. <i>ChemPhysChem</i> , 2002, 3, 607-616.	2.1	82
77	Hydrothermal synthesis of TiO ₂ anatase nanocrystals using hexaprismatic-shaped oxo-carboxylate complexes. <i>Comptes Rendus Chimie</i> , 2002, 5, 59-66.	0.5	37
78	Quantitative Modelization of Hydrogen-Bonding in Polyoxometalate Chemistry. <i>Journal of Cluster Science</i> , 2002, 13, 437-458.	3.3	18
79	Synthesis and Molecular Structures of Some New Titanium(IV) Aryloxides. <i>Journal of the American Chemical Society</i> , 2001, 123, 11632-11637.	13.7	86
80	Mechanistic aspects of the hydrolysis and condensation of titanium alkoxides complexed by tripodal ligands. <i>Dalton Transactions RSC</i> , 2001, , 2425-2428.	2.3	13
81	Molecular Recognition of Titanium(IV) Alkoxides by 2,6-Bis(hydroxymethyl)-p-cresol in the Crystal Engineering of Hybrid Organic-Inorganic Networks. <i>Journal of the American Chemical Society</i> , 2001, 123, 5612-5613.	13.7	27
82	Empirical calculations of ²⁹ Si NMR chemical shielding tensors: A partial charge model investigation of hydrolysis in organically modified alkoxy silanes. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 23-28.	2.8	34
83	Modeling ¹⁷ O NMR Tensors' efg and Chemical Shifts' in Oxides and Polyoxometallates. <i>ACS Symposium Series</i> , 1999, , 277-303.	0.5	3
84	Experimental and Theoretical Investigations of Condensation and Disproportionation of Mn(bpy)Cl ₃ (H ₂ O) in Aqueous Solution. <i>Inorganic Chemistry</i> , 1999, 38, 4-11.	4.0	17
85	Retrosynthesis in inorganic crystal structures: application to nesosilicate and inosilicate networks. <i>Coordination Chemistry Reviews</i> , 1998, 178-180, 1109-1163.	18.8	19
86	Amphiphilic organorutheniumoxomolybdenumoxovanadium clusters. <i>Polyhedron</i> , 1998, 17, 2817-2827.	2.2	51
87	Application of the Partial Charge Model to the Aqueous Chemistry of Silica and Silicates. <i>Topics in Molecular Organization and Engineering</i> , 1997, , 273-334.	0.1	7
88	Synthesis and characterisation of copper(II) hydroxide gels. <i>Journal of Sol-Gel Science and Technology</i> , 1996, 6, 155-167.	2.4	10
89	The role of complexing ligands in the formation of non-aggregated nanoparticles of zirconia. <i>Journal of Sol-Gel Science and Technology</i> , 1994, 1, 233-240.	2.4	65
90	Synthesis of non-aggregated nanometric crystalline zirconia particles. <i>Materials Research Bulletin</i> , 1994, 29, 517-522.	5.2	36

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91	Structural characterization of hybrid materials obtained from zirconium n-propoxide and 1,2-ethanediol. Journal of Non-Crystalline Solids, 1994, 170, 1-10.	3.1	14
92	Complexing mercuric oxide sols by acetone. Journal of Non-Crystalline Solids, 1993, 159, 22-30.	3.1	5
93	Aqueous chemistry of metal cations: Hydrolysis, condensation and complexation. , 1992, , 153-206.		225
94	Sol-gel synthesis and characterization of titanium oxo-acetate polymers. Materials Research Bulletin, 1990, 25, 1519-1529.	5.2	82
95	Sol-gel synthesis of manganese oxides. Journal of Solid State Chemistry, 1990, 88, 325-333.	2.9	264
96	Chemical modification of alkoxide precursors. Journal of Non-Crystalline Solids, 1988, 100, 65-76.	3.1	741
97	Sol-gel chemistry of transition metal oxides. Progress in Solid State Chemistry, 1988, 18, 259-341.	7.2	2,003
98	The gel route to Cr ³⁺ -doped TiO ₂ , an ESR study. Journal of Non-Crystalline Solids, 1987, 89, 84-97.	3.1	32
99	Hydrolysis of titanium alkoxides: Modification of the molecular precursor by acetic acid. Journal of Non-Crystalline Solids, 1987, 89, 206-216.	3.1	598
100	The oxalate route to superconducting YBa ₂ Cu ₃ O _{7-x} . Solid State Communications, 1987, 64, 881-883.	1.9	69
101	Synthesis of niobium pentoxide gels. Journal of Non-Crystalline Solids, 1986, 79, 383-395.	3.1	62
102	Spectroscopic properties of a mixed-valence binuclear cobalt complex: [CH ₃ N(PF ₂) ₂] ₃ Co ₂ (CO) ₂ . Inorganic Chemistry, 1985, 24, 1946-1949.	4.0	7
103	Small Polaron Mobility in Li^+O_5 . Physica Status Solidi (B): Basic Research, 1984, 122, 175-182.	1.5	15
104	Free and bound polarons in vanadium pentoxide. Journal of Physics C: Solid State Physics, 1982, 15, 7133-7141.	1.5	50
105	Random glass structure and electron localisation in amorphous V ₂ O ₅ . Journal of Physics C: Solid State Physics, 1981, 14, 829-837.	1.5	18