Nans Roques

List of Publications by Year
in descending order

36 papers	833 citations	394421 19 h-index	501196 28 g-index
41 all docs	41 docs citations	41 times ranked	1173 citing authors

#	Article	IF	Citations
1	Self-Assembled Monolayers of a Multifunctional Organic Radical. Angewandte Chemie - International Edition, 2007, 46, 2215-2219.	13.8	56
2	Grafting of Monocarboxylic Substituted Polychlorotriphenylmethyl Radicals onto a COOH-Functionalized Self-Assembled Monolayer through Copper (II) Metal Ions. Langmuir, 2008, 24, 6640-6648.	3.5	54
3	Magnetic and Porous Molecule-Based Materials. Topics in Current Chemistry, 2009, 293, 207-258.	4.0	54
4	Threeâ€Dimensional Openâ€Frameworks Based on Ln^{III}Ions and Openâ€/Closedâ€Shell PTM Ligands: Synthesis, Structure, Luminescence, and Magnetic Properties. Chemistry - A European Journal, 2011, 17, 3644-3656.	3.3	45
5	Structural and Magnetic Modulation of a Purely Organic Open Framework by Selective Guest Inclusion. Chemistry - A European Journal, 2007, 13, 8153-8163.	3.3	41
6	Reactivity of Superoxide Anion Radical with a Perchlorotriphenylmethyl (Trityl) Radical. Journal of Physical Chemistry B, 2008, 112, 158-167.	2.6	39
7	Threeâ€Dimensional Porous Metalâ€"Radical Frameworks Based on Triphenylmethyl Radicals. Chemistry - A European Journal, 2012, 18, 152-162.	3.3	38
8	Three-Dimensional Six-Connecting Organic Building Blocks Based on Polychlorotriphenylmethyl Unitsâ€"Synthesis, Self-Assembly, and Magnetic Properties. Chemistry - A European Journal, 2006, 12, 9238-9253.	3.3	36
9	A Robust Nanoporous Supramolecular Metalâ€"Organic Framework Based on Ionic Hydrogen Bonds. Chemistry - A European Journal, 2014, 20, 11690-11694.	3.3	36
10	A three-dimensional lanthanide-organic radical open-framework. Chemical Communications, 2008, , 3160.	4.1	32
11	A hexacarboxylic open-shell building block: synthesis, structure and magnetism of a three-dimensional metalâ€"radical framework. Journal of Materials Chemistry, 2008, 18, 98-108.	6.7	30
12	Tubular crystals growth for a nanoporous hydrogen-bonded metalâ€"organic framework. CrystEngComm, 2010, 12, 3496.	2.6	24
13	Experimental and Theoretical Studies of Magnetic Exchange in Silole-Bridged Diradicals. Chemistry - A European Journal, 2006, 12, 5547-5562.	3.3	23
14	Hydrogen-bonded self-assemblies in a polychlorotriphenylmethyl radical derivative substituted with six meta-carboxylic acid groups. Chemical Communications, 2005, , 4801.	4.1	22
15	Dynamic Nuclear Polarization with Polychlorotriphenylmethyl Radicals: Supramolecular Polarizationâ€Transfer Effects. Angewandte Chemie - International Edition, 2010, 49, 3360-3362.	13.8	22
16	Driving the Assembling of Zirconium Tetraoxalate Metallotectons and Benzimidazolium Cations: From Three Dimensional Hydrogen-Bonded Compact Architectures to Open-Frameworks. Crystal Growth and Design, 2010, 10, 4906-4919.	3.0	22
17	Tetradihydrobenzoquinonate and Tetrachloranilate Zr(IV) Complexes: Single-Crystal-to-Single-Crystal Phase Transition and Open-Framework Behavior for K₄Zr(DBQ)₄. Inorganic Chemistry, 2013, 52, 11237-11243.	4.0	22
18	From ZIF-8@Al₂O₃ Composites to Self-Supported ZIF-8 One-Dimensional Superstructures. Crystal Growth and Design, 2015, 15, 3552-3555.	3.0	22

#	Article	IF	Citations
19	Self-Assembly of Zr(C₂O₄)₄^{4â€“} Metallotectons and Bisimidazolium Cations: Influence of the Dication on H-Bonded Framework Dimensionality and Material Potential Porosity. Crystal Growth and Design, 2011, 11, 5424-5433.	3.0	21
20	Polychlorinated trityl radicals for dynamic nuclear polarization: the role of chlorine nuclei. Physical Chemistry Chemical Physics, 2010, 12, 5824.	2.8	20
21	Self-assembly of carboxylic substituted PTM radicals: From weak ferromagnetic interactions to robust porous magnets. Polyhedron, 2007, 26, 1934-1948.	2.2	17
22	Hydrogenâ€Bonded Openâ€Framework with Pyridylâ€Decorated Channels: Straightforward Preparation and Insight into Its Affinity for Acidic Molecules in Solution. Chemistry - A European Journal, 2017, 23, 11818-11826.	3.3	16
23	Nanosized trigonal prismatic and antiprismatic CuII coordination cages based on tricarboxylate linkers. Dalton Transactions, 2008, , 1679.	3.3	15
24	Extended H-bond networks based on guanidinium H-donors and [Zr(A)4]4â^’ H-acceptor units: modulation of the assemblage and guest accessible volume by chemical design (A = oxalate,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537	2.8	14
25	Efficient growth of sub-micrometric MOF crystals inside the channels of AAO membranes. Journal of Materials Chemistry A, 2013, 1, 3688.	10.3	14
26	The exploration of magnetic photo-excited states using organometallic spin couplers based on the silole ring. Journal of Physics and Chemistry of Solids, 2004, 65, 759-762.	4.0	12
27	Synthesis and Characterization of a New Organometallic Magnetic Coupler Based on the Silole Ring. Organometallics, 2003, 22, 4833-4835.	2.3	11
28	Versatile Chemical Transformations of Benzoxazole Based Ligands on Complexation with 3d-Metal Ions. Inorganic Chemistry, 2012, 51, 2588-2596.	4.0	11
29	Europium (III) complexes derived from carboxylic-substituted polychlorotriphenylmethyl radicals. Inorganica Chimica Acta, 2007, 360, 3861-3869.	2.4	10
30	Metal-Radical Chains Based on Polychlorotriphenylmethyl Radicals: Synthesis, Structure, and Magnetic Properties. Inorganic Chemistry, 2010, 49, 3482-3488.	4.0	10
31	Towards a better understanding of photo-excited spin alignment processes using silole diradicals. New Journal of Chemistry, 2006, 30, 1319-1326.	2.8	9
32	Novel Guests for Porous Columnar Thin Films: The Switchable Perchlorinated Trityl Radical Derivatives. Langmuir, 2011, 27, 5098-5106.	3.5	9
33	Supramolecular open-framework architectures based on dicarboxylate H-bond acceptors and polytopic cations with three/four Nâ€“H⁺donor units. CrystEngComm, 2015, 17, 8906-8914.	2.6	7
34	Controlled Growth of Ag Nanocrystals in a Hâ€Bonded Open Framework. Chemistry - A European Journal, 2019, 25, 13705-13708.	3.3	3
35	Surface grafting of a dense and rigid coordination polymer based on tri-para-carboxy-polychlorotriphenylmethyl radical and copper acetate. Journal of Materials Chemistry C, 2013, 1, 793-800.	5.5	2
36	{2,5-Bis[3-(tert-butylaminoxyl)phenyl]-1,1-dimethyl-3,4-diphenylsilole-ÎºO}bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato)manganese(II). Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, m386-m388.	0.4	1