Dante Gatteschi

List of Publications by Citations

337 papers	32,451 citations	79 h-index	174 g-index
364 ext. papers	33,715 ext. citations	7.9 avg, IF	7.06 L-index

#	Paper	IF	Citations
337	Quantum tunneling of magnetization and related phenomena in molecular materials. *Angewandte Chemie - International Edition*, **2003**, 42, 268-97	16.4	2417
336	Molecular Nanomagnets **2006**,		2112
335	High-spin molecules: [Mn12O12(O2CR)16(H2O)4]. *Journal of the American Chemical Society*, **1993**, 115, 1804-1816	16.4	1936
334	Magnetism of lanthanides in molecular materials with transition-metal ions and organic radicals. *Chemical Reviews*, **2002**, 102, 2369-88	68.1	1414
333	Single-Molecule Magnets. *MRS Bulletin*, **2000**, 25, 66-71	3.2	1348
332	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires The financial support of Italian MURST and CNR and of Brazilian CNPq and FUJB is acknowledged. The support from the European Community through the TMR program 3MD (contract no ERB4061PL97-0197) is also acknowledged.. *Angewandte Chemie - International Edition*, **2001**, 40, 1760-1763	16.4	990
331	Lanthanides in molecular magnetism: old tools in a new field. *Chemical Society Reviews*, **2011**, 40, 3092-108	38.5	901
330	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. *Nature Materials*, **2009**, 8, 194-7	27	854
329	Alternating current susceptibility, high field magnetization, and millimeter band EPR evidence for a ground S = 10 state in [Mn12O12(Ch3COO)16(H2O)4].2CH3COOH.4H2O. *Journal of the American Chemical Society*, **1991**, 113, 5873-5874	16.4	816
328	Toward molecular magnets: the metal-radical approach. *Accounts of Chemical Research*, **1989**, 22, 392-398	24.3	735
327	A family of rare-earth-based single chain magnets: playing with anisotropy. *Journal of the American Chemical Society*, **2006**, 128, 7947-56	16.4	474
326	Molecular Magnetism: A basis for new materials. *Advanced Materials*, **1994**, 6, 635-645	24	436
325	Molecular engineering for single-chain-magnet behavior in a one-dimensional dysprosium-nitronyl nitroxide compound. *Angewandte Chemie - International Edition*, **2005**, 44, 5817-21	16.4	410
324	[Fe(OMe)2(O2CCH2Cl)]10, a Molecular Ferric Wheel. *Journal of the American Chemical Society*, **1994** , 116, 823-832	16.4	399
323	Electron Paramagnetic Resonance of Exchange Coupled Systems **1990**,		380
322	High-frequency EPR spectra of a molecular nanomagnet: Understanding quantum tunneling of the magnetization. *Physical Review B*, **1997**, 56, 8192-8198	3.3	350
321	Single chain magnets: where to from here?. *Journal of Materials Chemistry*, **2008**, 18, 4750		345

320	Cyanide-bridged iron(III)-cobalt(II) double zigzag ferromagnetic chains: two new molecular magnetic nanowires. *Angewandte Chemie - International Edition*, **2003**, 42, 1483-6	16.4	330
319	Single-molecule magnets based on iron(III)oxo clusters. *Chemical Communications*, **2000**, 725-732	5.8	325
318	Quantentunneln der Magnetisierung und verwandte Phänomene in molekularen Materialien. *Angewandte Chemie*, **2003**, 115, 278-309	3.6	323
317	Quinonoid metal complexes: toward molecular switches. *Accounts of Chemical Research*, **2004**, 37, 827-35	14.3	303
316	Magnetic anisotropy of dysprosium(III) in a low-symmetry environment: a theoretical and experimental investigation. *Journal of the American Chemical Society*, **2009**, 131, 5573-9	16.4	232
315	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. *Inorganic Chemistry*, **1990**, 29, 1750-1755	5.1	214
314	Water-dispersible sugar-coated iron oxide nanoparticles. An evaluation of their relaxometric and magnetic hyperthermia properties. *Journal of the American Chemical Society*, **2011**, 133, 10459-72	16.4	207
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311	Tuning anisotropy barriers in a family of tetrairon(III) single-molecule magnets with an S = 5 ground state. *Journal of the American Chemical Society*, **2006**, 128, 4742-55	16.4	191
310	Effects of 3d-4f magnetic exchange interactions on the dynamics of the magnetization of Dy(III)-M(II)-Dy(III) trinuclear clusters. *Chemistry - A European Journal*, **2007**, 13, 1602-9	4.8	189
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307	Magnetic anisotropy of the antiferromagnetic ring [Cr8F8Piv16]. *Chemistry - A European Journal*, **2002**, 8, 277-85	4.8	180
306	Direct observation of single-molecule magnets organized on gold surfaces. *Angewandte Chemie - International Edition*, **2003**, 42, 1645-8	16.4	173
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300	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. *Angewandte Chemie*, **2001**, 113, 1810-1813	3.6	138
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297	Ferromagnetic alternating spin chains. *Journal of the American Chemical Society*, **1987**, 109, 2191-2192	16.4	131
296	Magnetic properties of high-nuclearity spin clusters. Fourteen- and fifteen-oxovanadium(IV) clusters. *Journal of the American Chemical Society*, **1992**, 114, 8509-8514	16.4	130
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294	Electronic Structure of Manganese(III) Compounds from High-Frequency EPR Spectra. *Angewandte Chemie International Edition in English*, **1997**, 36, 2329-2331		128
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