

CURRICULUM VITAE

Dipartimento di Scienza dei Materiali
Università degli Studi di Milano-Bicocca
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FABRIZIO MORO

DATI PERSONALI

Luogo di nascita: Taranto, Italia

Data di nascita: 11/08/1979

Nazionalità: Italiana

ESPERIENZE PROFESSIONALI

- 2018 – oggi Ricercatore a tempo determinato, Dipartimento di Scienza dei Materiali, Università degli Studi di Milano-Bicocca; Milano (Italia).
- 2017 – 2018 Förste forskningsingenjör (ricercatore a tempo determinato), Dipartimento di Fisica, Chimica e Biologia, Università di Linköping (Svezia).
- 2013 – 2017 Research Fellow, Dipartimento di Fisica, Università di Nottingham (UK).
- 2012 – 2013 Research Associate, Dipartimento di Chimica, Università di Manchester (UK).
- 2010 – 2012 Marie-Curie Fellow, Dipartimento di Chimica, Università di Nottingham (UK).
- 2009 – 2010 Research Associate, Dipartimento di Chimica, Università di Nottingham (UK).

ISTRUZIONE

- 09 / 02 / 2009 Dottorato di Ricerca in Fisica, Università di Modena e Reggio Emilia, Modena (Italia).
- 28 / 07 / 2005 Laurea in Fisica, Università di Lecce (ora Università del Salento), Lecce (Italia).

FORMAZIONE

- 12 Apr. 2017 *Abilitazione Scientifica Nazionale (ASN)* in Fisica Sperimentale della Materia (fascia II, settore concorsuale 02/B1).
- 5-7 Mar. 2018 Vinterskola/conferenza *Organic solar cells and thermoelectrics*, Västerås (Svezia).
- Giu. 2012 Workshop *Electron Paramagnetic Resonance*, EPR service, Manchester (UK).
- Feb. 2012 Workshop *Small group teaching*. Università di Nottingham (UK).
- 17-19 Gen.2012 Corso *LabVIEW core 1*. Dipartimento di Fisica, Università di Nottingham (UK).
- 5-7 Dic. 2011 Corso *MatLab fundamentals*. The MathWorks, Business park, Cambridge (UK).
- 14 Dic. 2010 Scuola/conferenza *BRSO Christmas Meeting: Electrons and Nuclei: DNR, ENDOR and NMR of paramagnetic compounds*, Institute of Physics (IOP), Londra (UK).
- 11 Mar. 2010 Corso IOP: *Low temperature techniques*, Università di Nottingham (UK).

- Ott. 2010 Corso *d-orbital theory and spectroscopy*, Dr J. McMaster, Università di Nottingham (UK).
- Ott. 2010 Corso *Crystallography*, Prof. S. Blaker, Università di Nottingham (UK)
- 19-21 Lug. 2010 Leverhulme workshop, Università di Manchester (UK).
- Giu. 2009 Corso *EPR spectroscopy*, Dr J. van Slageren, Università di Nottingham (UK).
- Gen. - Feb. 2008 Borsa di studio per visita/formazione in *Spin Polarized STM*. Referente: Prof. J. P. Bucher, *Institute de Physique et Chimie des Materiaux*, Strasburgo (Francia).
- Set.-Nov. 2007 Modulo *Magnetism: Introduction to the magnetic properties of materials*, Prof. O. Moze. Università di Modena e Reggio Emilia (Italia).
- 22-26 Apr. 2007 Scuola *Applicazioni della radiazione di Sincrotrone allo studio dei materiali nanostrutturati e dei film sottili (ARS2)*. SISSA, Trieste (Italia).
- 30-4Apr.2007 Scuola/conferenza *Problemi Attuali di Fisica Teorica XIII edition*. Vietri sul Mare (Italia).
- 1-9 Giu. 2006 Scuola/conferenza *Spin and charge effects at the nanoscale*. Scuola Normale, Pisa (Italia).

PREMI E RICONOSCIMENTI

- 12 Apr. 2017 *Abilitazione Scientifica Nazionale (ASN)* in Fisica Sperimentale della Materia (fascia II, settore concorsuale 02/B1).
- Dal 2016 *Editorial Board Member* per *Scientific Reports* (Nature Publishing Group).
- 2013 Research Associate su nomina del *Leverhulme Trust grant* RPG-2013-242, 2014–2017.
- 2010-212 Vincitore di una *Marie-Curie fellowship* individuale (DynAniMag/253980).
- 2010 Membro 1121578 dell'*Institute of Physics* (IOP).
- Dal 2010 Reviewer per varie riviste di Fisica, Chimica e Scienza dei Materiali *e.g. Nano Lett., J. Am. Chem. Soc., Nanoscale, Phys. Stat. Sol. B, RSC Advances, J. Mag. Mat. e C. Nano*.
- Ag. 2009 *Research Staff Travel Prize* GBP 500, Università di Nottingham (UK).

FONDI PER LA RICERCA

Totale: > EURO 400K

- 2013–2016 *The Leverhulme Trust* RPG-2013-242, 2014–2017, GBP 150K. Contributo come ricercatore associato su nomina.
- 2010–2012 Marie-Curie intra-european fellowship FP7 PIEF-GA-2009-253980 DyAniMag, EURO173K.
- 2006–2017 Vincitore di 48 *shifts* per condurre ricerca presso centri di ricerca nazionali ed europei, *e.g.* HFML (Nijmegen), EPR national service (Manchester), ISIS (Oxford), FRMII (Garching), ESRF (Grenoble) and ELETTRA (Trieste) come principal investigator (PI) o co-PI.

SEMINARI SU INVITO

- Mag. 2018 Dipartimento di Fisica, Università di Modena e Reggio Emilia (Italia).
- Mag. 2018 Dipartimento di Scienza dei Materiali, Università Milano-Bicocca (Italia).
- Apr. 2018 Dipartimento di Scienza dei Materiali, Università Milano-Bicocca (Italia).
- Giu. 2016 Dipartimento di Fisica, Università di Loughborough (UK).
- Giu. 2015 Dipartimento di Fisica, Università di Nottingham (UK).
- Feb. 2012 Dipartimento di Fisica, Università di Bristol (UK).

Ott. 2011 Dipartimento di Fisica, Università di Nottingham (UK).
 Dic. 2008 Dipartimento di Fisica, Università di Nottingham (UK).
 Feb. 2007 Max Planck di Stoccarda (Germania).

ATTIVITA' DI RICERCA IN CENTRI DI RICERCA NAZIONALI ED EUROPEI

Periodo	Laboratorio / referente	role	shifts	weeks
2015	High Magnetic Field Laboratory (HFML), Università di Nijmegen (Olanda) / Prof. P. Christianen.	PI	2	3
2015-2016	NMR Laboratory, Center for Biological Science (CBS), Università di Nottingham (UK) / Dr W. Huw.	PI	4	2
2013	Center for Advanced Electron Spin resonance (CAESAR), Università di Oxford (UK) / Prof. C. Timmel and Dr A. Ardavan.	Co-PI	2	2
2010-2017	EPSRC multifrequency EPR National Facility, Università di Manchester (UK) / Prof. E. J. McInnes.	PI	14	14
2013-2017	Sir Peter Mansfield Magnetic Resonance Centre, Università di Nottingham (UK) / Dr W. Kockenberger.	PI	12	12
2010-2011	Rutherford Appleton Laboratory, ISIS, Oxford (UK) / Dr J. Taylor.	Co-PI	2	2
2011	Forschungs-Neutronenquelle Heinz Maier (FRM II), Garching (Germany) / Dr G. G. Simeoni.	Co-PI	1	1
2011	Leibneiz IFW di Dresda (Germania) / Prof. V. Kataev.	PI	1	1
2009-2011	Dipartimento di Fisica dell'Università di Stoccarda (Germania) / Prof. M. Dressel.	Co-PI	3	4
2009-2010	Dipartimento di Fisica dell'Università di Saragozza (Spagna) / Dr F. Luis.	Co-PI	2	2
2006-2008	Sincrotrone ESRF, Grenoble (France) / Prof. N. Brookes.	PI	3	3
2006-2007	Sincrotrone ELETTRA, Trieste (Italy) / Dr G. Panaccione.	Co-PI	2	2

CONFERENZE E WORKSHOPS

16 Mag. 2018 Workshop *Tail of the sun*. Linköping (Svezia).
 5-7 Mar. 2018 Vinterskola/conferenza *Organic solar cells and thermoelectrics*, Västerås (Svezia).
 10-12 Ag. 2017 STINT/JSPS joint workshop, Helsinki (Finlandia). **Orale.**
 22- 26 Sett. 2016 *Joint European Magnetic Symposia (JEMS 2016)*, Glasgow (UK). **Orale.**
 27 - 01 Giu. 2016 *Photonic Colloidal Nanostructures: Synthesis, Properties and Applications (PCNSPA)*, St. Petersburg (Russia). **Orale.**
 05- 0 Lug. 2015 *European Conference on Magnetic Resonance (EUROMAR)*, Prague (Rep.Ceca). **Orale.**
 01- 02 Lug. 2015 *UK semiconductors*, Institute of Physics (IOP, London), Sheffield (UK). **Orale.**
 12-15 Mar. 2015 Workshop *Advanced Polaritonics and Photonics*, Suzdal (Russia). **Orale su invito.**
 26-28 Mag. 2014 *30 Years of Colloidal Quantum Dots*, ESPCI ParisTech, Paris (Francia). Poster.

- 11– 16 Mag. 201 48th *International Conference on Quantum Dots*, Pisa (Italia). Poster.
- 16 Gen. 2014 Workshop *Quantum Technologies*. Università di Nottingham (UK).
- 10 Gen. 2014 Workshop *Quantum Dot Day*, Università di Sheffield (UK). Poster.
- 07– 10 Ott. 2013 *European Conference on Molecular Magnets* (ECMM), Karlsruhe (Germania). Poster.
- 07– 11 Apr. 2013 46th *Annual International Meeting of ESR Spectroscopy group of the Royal Society of Chemistry*, Università di Warwick (UK). Poster.
- 09–14 Set. 2012 *Joint European Magnetic Symposia* (JEMS 2012), Parma (Italia). Poster.
- 30–03 Nov. 2011 56th *Conf. on Magnetism and Magnetic Materials* (MMM), Scottsdale, (USA). **Orale.**
- 14 Dic. 2010 *BRSF Christmas Meeting: DNR, ENDOR and NMR*, IOP Londra (UK). Poster.
- 21– 24Giu. 2010 7th *Int. Conference on Fine Particles Magnetism* (ICFPM), Uppsala (Svezia). Poster.
- 26–31 Lug. 2009 *International Conference on Magnetism* (ICM), Karlsruhe (Germania). Poster.
- 28 Mag. 2009 *EPR Service User Meeting 2009*, Università di Manchester (UK). Poster.
- 21–24 Set. 2008 11th *Int. Conference on Molecule-based Magnets*, (ICMM 2008), Firenze (Italia). Poster.
- 14–19 Set. 2008 *Joint European Magnetics Symposia* (JEMS 2008), Dublino (Irlanda). Poster.
- 03–04 Set. 2008 MAGMANet Workshop *Towards devices: assembling and addressing molecular nanomagnets*, Huesca (Spagna). **Orale su invito.**
- 9 Apr. 2008 Workshop *Quantum Computation with molecular spin clusters*, Modena (Italia).
- 3 Set. 2007 Workshop *Miniaturizzare e integrare per crescere* (MEMS), Modena (Italia).

ATTIVITA' DI DIVULGAZIONE SCIENTIFICA

- 2 Apr. 2015 Science fair. Università di Nottingham (UK).
- 24 Apr. 2008 Lezione su *Dal sole energia pulita*. Centro Territoriale Permanente, Modena (Italia).
- Gen.- Feb. 2007 *Blow-up* exhibition: immagini dal Nanomondo, Modena (Italia). URL link:
<https://www.youtube.com/watch?v=02UiUtbls1s>

ELENCO COMPLETO DELLE PUBBLICAZIONI

h-index: 20 (fonte: Web of Science e Sopus)
 Totale citazioni: > 1360,

Impact factor medio: 7.2
 Media citazioni: 33

1. Room temperature uniaxial magnetic anisotropy induced by Fe-islands in the InSe semiconductor van der Waals crystal.
F. Moro, M. A. Bhuiyan, Z. R. Kudrynskiy, R. Puttock, O. Kazakova, O. Makarovskiy, M. W. Fay, C. Parmenter, Z. D. Kovalyuk, A. J. Fielding, M. Kern, J. van Slageren, and A. Patanè
Adv. Sci. 1800257, <https://doi.org/10.1002/advs.201800257> (2018).
2. Surface sensing of quantum dots by electron spins.
F. Moro, L. Turyanska, J. Wilman, H. E. J. Williams, A. J. Fielding, and A. Patanè.
Nano Lett. 16, 6343-6348 (2016).
3. Developing Mn-doped lead sulfide quantum dots for MRI labels.
 L. Turyanska, **F. Moro**, A. Patanè, J. Barr, W. Kockenberger, A. Taylor, H. M. Faas, M. Fowler, P. Wigmore, R. C. Trueman, H. E. L. Williams, and N. R. Thomas.
J. Mat. Chem. B 4, 6797-6802 (2016).

4. Engineering coherent interactions in molecular nanomagnet dimers.
A. Ardavan, A. M. Bowen, A. Fernandez, A. J. Fielding, D. Kaminski, **F. Moro**, C. A. Muryn, M. D. Wise, A. Ruggi, E. J. L. McInnes, K. Severin, G. A. Timco, C. R. Timmel, F. Tuna, G. F. S. Whitehead, and R. E. P. Winpenny.
npj Quantum Information 1, 15012 (2015).
5. Electronic structure of a mixed-metal fluoride triangle complex: a potential qubit component.
J. P. S. Walsh, S. B. Meadows, A. Ghirri, **F. Moro**, M. Jennings, W. F. Smith, D. M. Graham, T. Kihara, H. Nojiri, I. J. Vitorica-Yrezabal, G. A. Timco, D. Collison, E. J. L. McInnes, and R. E. P. Winpenny.
Inorg. Chem. 54, 12019-12026 (2015).
6. *g*-engineering in hybrid rotaxanes to create AB and AB₂ electron spin systems: EPR spectroscopic studies of weak interactions between dissimilar electron spin qubits.
A. Fernandez, E. Moreno Pineda, C. A. Muryn, S. Sproules, **F. Moro**, G. A. Timco, E. J. L. McInnes, and R. E. P. Winpenny.
Angew. Chem. Int. Ed. 54, 10858-61 (2015).
7. Electron spin coherence near room temperature in magnetic quantum dots.
F. Moro, L. Turyanska, J. Wilman, M. Fay, A. J. Fielding, J. Granwehr, and A. Patanè.
Sci. Rep. 5, 10855 (2015).
8. Spin manipulation and spin lattice interaction in magnetic colloidal quantum dots.
F. Moro, L. Turyanska, J. Granwehr, and A. Patanè.
Phys. Rev. B 90, 205428 (2014).
9. Tunable paramagnetic susceptibility and *g*-factor in Mn-doped PbS colloidal nanocrystals.
L. Turyanska, R. J. L. Hill, O. Makarovskiy, **F. Moro**, A. N. Knott, O. J. Larkin, A. Patanè, A. Meaney, P. C. M. Christianen, M. W. Fay, and R. J. Curry.
Nanoscale 6, 8919 (2014).
10. Magnetic anisotropy of polycrystalline magnetoferritin investigated by SQUID and electron magnetic resonance.
F. Moro, R. de Miguel, M. Jenkins, C. Gómez-Moreno, D. Sells, F. Tuna, E. J. L. McInnes, A. Lostao, F. Luis, and J. van Slageren.
J. Magn. Magn. Mat. 361, 188-196 (2014).
11. Tuneable magnetic properties of hydrothermally synthesised core/shell CoFe₂O₄ / NiFe₂O₄ and NiFe₂O₄ / CoFe₂O₄ nanoparticles.
T. P. Almeida, **F. Moro**, M. W. Fay, Y. Zhu, and P. D. Brown.
J. Nanopart. Res. 16, 2395 (2014).
12. Coherent electron spin manipulation in a diluted oriented ensemble of molecular nanomagnets: pulse EPR on doped single crystals.
F. Moro, D. Kaminski, F. Tuna, G. F. S. Whitehead, G. A. Timco, D. Collison, R. E. P. Winpenny, A. Ardavan, and E. J. L. McInnes.
Chem. Commun. 50, 91 (2014).
13. Spectroscopic determination of crystal field splittings in lanthanide double deckers.
R. Marx, **F. Moro**, M. Dorfel, L. Ungur, M. Waters, D. Jiang, M. Orlita, J. Taylor, W. Frey, F. Chibotaru, and J. van Slageren.
Chem. Sci. 5, 3287-3293 (2014).
14. The acid test: the chemistry of carboxylic acid functionalised Cr₇Ni rings.
G. F. S. Whitehead, J. Ferrando-Soria, L. G. Christie, N. F. Chilton, G. A. Timco, **F. Moro**, and R. E. P. Winpenny.
Chem. Sci. 5, 235-239 (2014).
15. Paramagnetic, near-infrared fluorescent Mn-doped PbS colloidal nanocrystals.
L. Turyanska, **F. Moro**, A. N. Knott, M. W. Fay, T. D. Bradshaw and A. Patanè.
Part. Part. Syst. Charact. 30, 945-949 (2013).

16. Magnetic properties of cobalt oxide nanoparticles synthesised by a continuous hydrothermal method.
F. Moro, S. V. Y. Tang, F. Tuna and E. Lester.
J. Magn. Mag. Mat. 348, 1-7 (2013).
17. A ring of rings and other multicomponent assemblies of cages.
G. F. S. Whitehead, **F. Moro**, G. A. Timco, W. Wernsdorfer, S. J. Teat, and R. E. P. Winpenny.
Angew. Chem. Int. Ed. 52, 9932-35 (2013).
18. The inherent single-molecule magnet character of trivalent uranium.
F. Moro, D. P. Mills, S. T. Liddle, and J. van Slageren.
Angew. Chem. Int. Ed. 52, 3430-3 (2013).
19. Five coordinate M(II)-diphenolate [M = Zn(II), Ni(II), and Cu(II)] Schiff base complexes exhibiting metal and ligand-based redox chemistry.
M. Franks, A. Gadzhieva, L. Gandhi, D. Murrel, A. J. Blake, E. S. Davies, W. Lewis, **F. Moro**, J. McMaster, and M. Schroeder.
Inorg. Chem. 52, 660-670 (2013).
20. Electronic and magnetic properties of Mn₁₂ molecular magnets on sulfonate and carboxylic acid prefunctionalized gold surfaces.
F. Moro, R. Biagi, V. Corradini, M. Evangelisti, A. Gambardella, V. De Renzi, U. del Pennino, E. Coronado, A. Forment-Aliaga, and F. M. Romero.
J. Phys. Chem. C 116, 14936-14942 (2012).
21. Synthesis of a uranium(VI)-carbene: reductive formation of uranyl(V)-methanides, oxidative preparation of a [R₂C=U=O]²⁺ analogue of the [O=U=O]²⁺ uranyl ion (R = Ph₂PNSiMe₃), and comparison of the nature of U-IV=C, U-V=C, and U-VI=C double bonds.
D. P. Mills, O. J. Cooper, F. Tuna, E. J. L. McInnes, E. S. Davies, J. McMaster, **F. Moro**, W. Lewis, A. J. Blake, and S. T. Liddle.
J. Am. Chem. Soc. 134, 10047-10054 (2012).
22. Gd-based single-ion magnets with tunable magnetic anisotropy: molecular design of spin qubits.
M. J. Martinez-Pérez, S. Cardona-Serra, C. Schlegel, **F. Moro**, P. J. Alonso, H. Prima-Garcia, J. M. Clemente-Juan, M. Evangelisti, A. Gaita-Ariño, J. Sesse, J. van Slageren, E. Coronado, and F. Luis.
Phys. Rev. Lett. 108, 247213 (2012).
23. Magnetic properties of a novel family of ferrous cubanes.
F. Piga, **F. Moro**, I. Krivokapic, A. J. Blake, R. Edge, E. J. L. McInnes, F. Luis, M. Evangelisti, D. J. Evans, J. McMaster, and J. Van Slageren.
Chem. Commun. 48, 2430 (2012).
24. Synthesis, characterisation and magnetic study of a cyano-substituted dysprosium double decker single-molecule magnet.
M. Waters, **F. Moro**, I. Krivokapic, and J. van Slageren.
Dalt. Trans. 41, 1128 (2012)
25. A formal high oxidation state inverse-sandwich diuranium complex: a new route to f-block-metalbonds.
D. Patel, **F. Moro**, J. McMaster, W. Lewis, A. J. Blake, and S. T. Liddle.
Angew. Chem. Int. Ed. 50, 1-6 (2011).
26. Encapsulation of single-molecule magnets in carbon nanotubes.
M. d. C. Gimenez-Lopez, **F. Moro**, A. La Torre, C. J. Gomez-Garcia, P. D. Brown, J. van Slageren, and A. N. Khlobystov.
Nat. Commun. 2, 407 (2011).
27. A delocalised arene-bridged diuranium single molecule magnet.
D. P. Mills, **F. Moro**, J. McMaster, J. van Slageren, W. Lewis, A. J. Blake, and S. T. Liddle.
Nat. Chem. 3, 454 (2011).

28. An unsupported uranium-rhenium complex prepared by alkane elimination.
B. M. Gardner, J. McMaster, **F. Moro**, W. Lewis, A. J. Blake, and S. T. Liddle.
Chem. Eur. J. 17, 6909-6912(2011).
29. Chromium(III) stars and butterflies: synthesis, structural and magnetic studies of tetra-metallic clusters.
L. J. Batchelor, M. Sander, F. Tuna, M. Helliwell, **F. Moro**, J. van Slageren, E. Burzuri, O. Montero, M. Evangelisti, F. Luis, and E. J. L. McInnes.
Dalton Trans. 40, 5278-5284 (2011).
30. Surface supramolecular organization of a terbium(III) double-decker complex on graphite and its single molecule magnet behaviour as studied by XMCD.
M. Gonidec, R. Biagi, V. Corradini, **F. Moro**, V. De Renzi, U. del Pennino, D. Summa, L. Muccioli, C. Zannoni, D. B. Amabilino, and J. Veciana.
J. Am. Chem. Soc. 133, 6603-6612 (2011).
31. Uranium-carbon multiple bonding: facile access to the pentavalent uranium carbene $[UC(PPh_2NSiMe_3)(Cl)_2(I)]$ and comparison of $UV=C$ and $UIV=C$ double bonds.
O. J. Cooper, D. P. Mills, J. McMaster, **F. Moro**, E. S. Davies, W. Lewis, A. J. Blake, and S. T. Liddle.
Angew. Chem. Int. Ed. 50, 1-5 (2011).
32. Frequency domain magnetic resonance spectroscopy and magnetic circular dichroism on Ni_4 cubane molecular nanomagnets: a magnetic anisotropy study.
F. Moro, F. Piga, I. Krivokapic, A. Burgess, J. McMaster, and J. van Slageren.
Inorg. Chim. Acta 363, 4329 (2010).
33. X-ray adsorption and magnetic circular dichroism investigation of bis(phthalocyaninato) terbium single-molecule magnets deposited on graphite.
R. Biagi, J. Fernandez-Rodriguez, M. Gonidec, A. Mirone, V. Corradini, **F. Moro**, V. De Renzi, U. del Pennino, J. C. Cezar, D. B. Amabilino, and J. Veciana.
Phys. Rev. B 82, 224406 (2010).
34. Addressing the magnetic properties of sub-monolayers of molecular nanomagnets by x-ray magnetic circular dichroism.
F. Moro, V. Corradini, M. Evangelisti, R. Biagi, V. De Renzi, U. del Pennino, J. C. Cezar, R. Inglis, C. J. Milios, E. K. Brechin.
Nanoscale 2, 2698-2703 (2010).
35. Magnetic properties of two novel Fe_4 single-molecule magnets in the solid state and in frozen solution.
C. Schlegel, E. Burzuri, F. Luis, **F. Moro**, M. Manoli, E. K. Brechin, and J. van Slageren.
Chem. Eur. J. 16, 10178-10185 (2010).
36. Probing edge magnetization in antiferromagnetic spin segments.
A. Ghirri, G. Lorusso, **F. Moro**, V. Corradini, M. Affronte, J. C. Cezar, C. Muryn, F. Tuna, G. Timco, and R. E. P. Winpenny.
Phys. Rev. B 79, 224430 (2009).
37. Successful grafting of isolated molecular Cr_7Ni rings on Au(111) surface.
V. Corradini, **F. Moro**, R. Biagi, V. De Renzi, U. del Pennino, S. Carretta, P. Santini, V. A. Milway, G. Timco, R. E. P. Winpenny, and M. Affronte.
Phys. Rev. B 79, 144419 (2009).
38. Grafting derivatives of a Mn_6 single-molecule magnets with high anisotropy energy barrier on Au(111) surface.
F. Moro, U. del Pennino, V. Corradini, R. Biagi, V. De Renzi, M. Evangelisti, C. J. Milios, E. K. Brechin.
J. Phys. Chem. B 112, 9729-9735 (2008).
39. XMCD investigation of spin and orbital moments in Cr_8 and Cr_7Ni antiferromagnetic rings.
V. Corradini, **F. Moro**, R. Biagi, U. del Pennino, V. De Renzi, S. Carretta, P. Santini, M. Affronte, J. C. Cezar, G. Timco, and R. E. P. Winpenny.
Phys. Rev. B 77, 14402 (2008).

40. Electronic structure of a Mn_6 single-molecule magnet ($S = 4$) grafted on Au(111).
U. del Pennino, V. Corradini, R. Biagi, V. De Renzi, **F. Moro**, D. W. Boukhvalov, G. Panaccione, M. Hochstrasser, C. Carbone, C. J. Milios, and E. K. Brechin.
Phys. Rev. B 77, 085419 (2008).

41. Laser-induced breakdown spectroscopy for compositional analysis of multi-elemental thin films.
S. Acquaviva, E. D'Anna, M. L. De Giorgi, and **F. Moro**.
Spectrochim. Acta, Part B: Atomic Spectroscopy 61, 810 (2006).