

CURRICULUM VITAE



PERSONAL INFORMATION

Surname/Name **MORETTI Pier Francesco**
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Nationality Italian
Date of birth 11 DECEMBER 1967

EDUCATION

From-to	1 NOV 2003 - 23 FEB 2007
Name and type of organization	University Sapienza of Rome (Italy) – CNR Institute for Matter Sciences of the National Research Council of Italy (Italy) – Public bodies
Principal subjects/occupational skills covered	Analysis of surface hardening of steels on ordinary chondrites through atomic force microscopy: implications for reddening of visible and near infrared spectrum. Design and manufacturing of systems for the nanometric analysis of extraterrestrial samples and steels.
Title of qualification awarded	PhD in Earth Sciences
From-to	1 NOV 1996 – 8 MAR 2000
Name and type of organization	University Sapienza of Rome (Italy) – Kanzelhoehe Solar Observatory (Austria) – Public bodies
Principal subjects/occupational skills covered	Design and manufacturing of portable image acquisition systems for solar velocity and magnetic maps through narrow passband filters. Telescope manufacturing and managing. Acquisition of images in polarized light. Image and spectrum analysis.
Title of qualification awarded	PhD in Astronomy
From-to	1 NOV 1985 – 31 OTT 1991
Name and type of organization	University Sapienza of Rome (Italy) Public body
Principal subjects/occupational skills covered	The Stark effect as a calibration tool in helioseismology. Development of models for polarized light transmission in anisotropic media. Use of narrow passband filters. Spectrum analysis. Score: 110/110 cum Laude
Title of qualification awarded	Degree in Physics.

WORK EXPERIENCE

From-to	1 JAN 2023 - today
Name-address of employer	Consiglio Nazionale delle Ricerche (CNR) – P.le A. Moro 7 00185 Rome - Italy
Type of business or sector	Public Research Performing Organization
Position held	Actual permanent position as Head Technologist

Main activities /responsibilities	Responsible of the scientific secretariat of the Department of Earth System Sciences and Environmental Technologies. Design, coordination, support, management and design of projects and initiatives.
From-to	4 JAN 2011 – 31 DEC 2022
Name-address of employer	Consiglio Nazionale delle Ricerche (CNR) – rue de Trone 98 Bruxelles, Belgium
Type of business or sector	Public Research Performing Organization
Position held	Permanent position as Research Collaborator and Technologist
Main activities /responsibilities	Policy and scientific officer. Lobbying with European Commission and Member States' Organizations. Managing and designing European projects. .
From – to	1 MAY 2014 – 31 DEC 2014
Name-address of employer	Permanent Representation of Italy to the European Union – rue de Marteau 7-15 Bruxelles Belgium
Type of business or sector	Italian Government
Position held	Temporary secondment
Main activities /responsibilities	- Vice-Chair of the Research Working Party of the Competitiveness Council of the European Union during the Italian Presidency 2014. - Participation at 15 meeting of the Research Working Party, including their preparation and of supporting documents - Participation to the COREPER meetings (Ambassadors) and EU Competitiveness Council meetings (Ministers), with preparation of the supporting documents - Drafts and revisions of Conclusions of the EU Competitiveness Council - Minutes and preparation of additional meetings supporting the Presidency with EU Commission, General Secretariat of the Council and other stakeholders. - Support to the events of the Presidency and to the Ministers visiting Bruxelles. - Co-organizer of the Scientific Attachè trip and the 21 st ERAC Plenary meeting in Venice 2-3 October 2014 - Participant to the Steering Board meetings of the EU Council Group ERAC.
From – to	1 SEP 2007 – 3 JAN 2011
Name-address of employer	Consiglio Nazionale delle Ricerche (CNR) – P.le A. Moro 7, Roma (Italy)
Type of business or sector	Public Research Performing Organization
Position held	Permanent position as Research Collaborator
Main activities /responsibilities	Responsible of the office for international activities of the CNR Department of Earth and Environment (DTA). Support to the strategies and procedures for the involvement in International Organisms, in the ERANETs, in the Eurocores and Research Networking Programme of the European Science Foundation. Coordination of the actions and preparation of proposals to be submitted to the calls of the Seventh Framework Programme, Support to the coordination of activities to be developed abroad and evaluation procedures of the research activities of DTA, Compilation of documents related to international projects and organisms.
From-to	1 SEP 2001 – 31 AUG 2007
Name of employer	Italian Ministry of University, Education and Research (Italy)

Type of business or sector	Nautical and Technical Institutes
Position held	Permanent position as Professor in Physics
Main activities /responsibilities	Teaching Physics and Experimental Physics.
From-to	15 DEC 1999–14 DEC 2002, 7 JAN 2003–6 JAN 2004, 20 JUN 2006–19 NOV 2006
Name-address of employer	Astronomical Observatory of Capodimonte - Via Moiarello 16, Naples, Italy
Type of business or sector	Public Research Performing Organization
Position held	Post-doc Fellowship
Main activities /responsibilities	Coordinator of the “Concordiatro/Italy Castel” project for building and installing a solar telescope at the Italian base Concordia at Dome C in Antarctica. Design and managing of image acquisition experiments at low temperatures. Design, calibration and installation of a system for acquisition of velocity and magnetic solar full-disk images through narrow passband filters. Data analysis and modeling.
From-to	14 FEB 1994 – 13 FEB 1996
Name-address of employer	Department of Physics University Sapienza of Rome - P.le A. Moro 5, Roma (Italy)
Type of business or sector	University
Position held	Fellowship funded by the Italian Space Agency
Main activities /responsibilities	Development of system for the acquisition of images in visible polarized light with fast electro-optical devices and narrow passband filters. Design and building of portable system for space applications. Photon counting. Data analysis.
From-to	1 APR 1992 – 3 MAY 1993, 13 SEP 1993 – 13 FEB 1994
Name-address of employer	Energy Research Center ENEA - Italian National agency for new technologies, Energy and sustainable economic development – Via Enrico Fermi 4, Frascati, Roma (Italy)
Type of business or sector	Public Research Performing Organization
Position held	Fellowship funded by Service Metro Control (private company)
Main activities /responsibilities	Optical diagnostics on targets irradiated by high density power lasers. Study of the interaction laser-matter in experiments of inertial confinement with high density power lasers. Responsible of the timing of the ultra fast laser signals (signals down to 1 ns duration and up to 10 TW/cm ² density power).
PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	ENGLISH
understanding	EXCELLENT
speaking	EXCELLENT
writing	GOOD
SOCIAL SKILLS	Team spirit; negotiation, very good communication skills; good ability to adapt to multicultural environment, developed within the national and international working groups/projects, teaching activities and oral presentations.
ORGANIZATIONAL SKILLS AND COMPETENCES	Capable of exercising leadership (coordination of teams and projects). Tactful, adaptable and a team player with good persuading and negotiating abilities. Solid experience in work-team management (organization, planning, costing and logistics of campaigns, events, experiments). Analysis of scenarios and support to decision making.

TECHNICAL SKILLS AND
COMPETENCES

Science:

- During the PhD in astronomy and fellowships: design and installation of instrumentation for image acquisition (polarized visible spectrum) through narrow passband filters (in Austria, USA, Italy) and their use at low temperatures; data analysis and modelling of long duration time-series of velocity and magnetic images; spectrum analysis; use and construction of narrow passband filters, active guiding systems, thermal stabilization, use of polarizers, photodiodes and photomultipliers, liquid crystals, electro-optical devices, CCD, GPS, acquisition interfaces.
- During the ENEA fellowships: study of the interaction laser-matter in experiments of inertial confinement with high density power lasers: responsible of the timing of the ultra fast laser signals, using oscilloscopes and optical diagnostic techniques for ultra-fast signals.
- During the PhD in Earth Sciences: development of instrumentation and procedures for extraterrestrial materials analysis, surface analysis of steels; uso di spettroscopes, lasers, optical and electronic microscopes, atomic force microscopes. Surface shot peening. Microtomy.

Support to Policy:

- During the period in Bruxelles: stress management, negotiation, emergencies, procedures, planning, multi-cultural teaming, support to decision making.

- Operative system: VMS, Unix, MS-dos, Windows

- Applications and languages: Microsoft Office, Matematica, Fortran 77, Basic, IDL.

Other:

- support and coordination of research activities,
- support and management of political affairs,
- teaching (Physics),
- team and project management,
- documents, defensive points, speeches,
- analysis, foresight,
- fund raising (approximately 850 k€).

INTERNATIONAL
ACTIVITIES

- 2011-today: **staff member of the Secretariat of the EU Joint Programming Initiative** “Healthy and Productive Seas and Oceans” (JPI Oceans), with the participation of 22 EU countries and the EU Commission, for coordinating national research programmes in marine and maritime issues.

- 2015-2024: **Coordinator** of JPI Oceans secretariat for the action **Munitions in the Sea**, with the participation of 12 EU States, national experts and Navies.

- 2020-today: **Coordinator** of JPI Oceans secretariat for the action **Science for Good Environmental Status**, with the participation of 9 EU States, national experts and infrastructures’ operators.

- 2023-2024: **Expert of the European Economic Social Committee (EESC)** for the opinion INT/1039 - Strategic Foresight Report Sustainability and people's wellbeing at the heart of Europe's Open Strategic Autonomy.

- 2023: **Expert of the European Economic Social Committee (EESC)** for the opinion NAT/865 - Conservation and enforcement measures – NAFO, on legislation for fishery in the Northern Atlantic Ocean.

- 2023: **Expert of the European Economic Social Committee (EESC)** for the opinion

- REX/568 - The Arctic – how to ensure a peaceful, sustainable and prosperous future to a geostrategic region".
- 2022: **Expert of the European Economic Social Committee (EESC)** for the opinion REX/558 "Setting the course for a sustainable blue planet, an update of the international ocean governance agenda",
 - 2022-2023: **Coordinator** of JPI Oceans secretariat and knowledge hub of experts for the planning and management of the activities framed within a 700keuro agreement between 11 eu organization for the development of an observational campaign on board of research vessel Belgica and data analysis for a test of a complementary approach to EU Directive MSFD.
 - 2011-2022: Assigned to the **CNR Liaison Office of CNR in Bruxelles**.
 - 2011-2021: **National representative** for the Italian Ministry of Research to the EU Commission Group on Foresight established during the DE EU presidency.
 - 2019-2020: **Expert** in the Focus group on Future Challenges in Science Diplomacy within the EU project Science for Diplomacy for Challenges (S4D4C).
 - 2016-2020: Member of the Expert Group meetings in support of **G7** ‘The Future of the Oceans and Seas’.
 - 2014: **Vice-Chair of the Research Working Party of the Competitiveness Council of the European Union** during the Italian Presidency 2014 and supporting the activities of the Presidency in the Research and Innovation sectors.
 - 2014: **Italian expert for the Horizon 2020** European Bioeconomy Challenges, in particular for the Blue Growth aspects, nominated by the Minister of Education, Universities and Research.
 - 2014-2017: Member of the **ad-hoc strategic group** for the Bluemed initiative, with 9 Member States and the European Commission.
 - 2022-2023: member of the **Advisory Board** to the European project of the Horizon 2020 Programme “ABIOMMED”, coordinated by the Greek HCMR Institute
 - 2022-2023: member of the **Advisory Board** to the European project of the SBEP “BlueBio”, coordinated by the Italian OGS Institute
 - 2011-2012: **Italian acting representative** at the First and Second Meeting of the Management Board of Joint Programming Initiative “Oceans”. Appointed by the Italian Ministry of University and Research (MIUR) and Ministry of Infrastructure and Transportation (MIT)
 - **Representative of the Presidency of the Council of EU** for the signature of the ”Agreement for Scientific and Technological Cooperation between the EU and European Atomic Energy Community and the Swiss Confederation associating the Swiss Confederation to Horizon 2020”, nominated by general Secretariat of the Council of EU (Nov/Dec 2014).
 - **Representative of the Presidency of the Council of EU** for the signature of the ” Agreement for scientific and technological cooperation between the European Union and the Faroe Islands associating the Faroe Islands to Horizon 2020 the Framework Programme for Research and Innovation (2014 2020)”, nominated by general Secretariat of the Council of EU (Nov/Dec 2014).
 - **Senior Official** at meeting in support of Ministerial of Union for the Mediterranean (11 May 2015, Brussels, 28 May 2015, Athens).
 - 2015: representative for JPI Oceans at the **GPC** (Groupe de haut niveau pour la Programmation Conjointe) meetings.
 - 2012: member of the Advisory Board, appointed by the Norwegian Research Council, to the European project of the Seventh Framework Programme “JPI to CO WORK”, coordinated by the Spanish Istituto de Salud Carlos III, for mutual learning on foresight,

- cross-border cooperation and, in general, framework conditions for joint programming.
- 2011: CNR acting representative at the Marine Board of the European Science Foundation.
 - 2011: “Italian key person” for the FP7 project Jerico for the coordination of EU infrastructures in marine in-situ observations.
 - 2011: member of the Advisory Board to the European project of the Seventh Framework Programme FORCE, coordinated by the Egyptian National Institute of Oceanography and Fisheries
 - 2011: “Expert person” for the FP7 project MIRA for the coordination of national research programs in the Mediterranean Area.
 - 2010: scientific support to the CNR delegate to the Marine Board of the European Science Foundation.
 - 2010: Local contact point of the European Consortium “Euroceans”.

Scientific international collaborations:

- Maui Research Technology Center and University of Hawaii (Maui, HW, USA). Visitor scientist for approximately 6 months.
- Kanzelhöhe Solar Observatory and University of Graz (Austria, Europe). For approximately 3 years.
- Eddy Company (USA).

PROJECTS

- 2022-today: **Scientific Responsible** for the CNR participation to the Horizon Europe project “Eye of Europe”, for the European coordination and dissemination of foresight activities to support strategic decisions at EU.
- 2022-today: **Designer and member** of the group of the national project “Seamphonia”, funded my MUR PRIN 2022, for the development of observing strategies and technologies for the study of impacts of underwater noise on ecosystems.
- 2022-today: **Responsible and Coordinator** of the national project “Acoustic Field Orchestration: Noise Information and Action” for the design and development of a research line of activities and technology transfer from solar physics for the study of the acoustic field in the brain, and marine and terrestrial ecosystems.
- 2017-today: **Responsible** of a project for training courses to support decisions and negotiations in complex contexts (**School4SID**, see <https://school4sid.cnr.it/>)
- 2021-today: **Member of the international group** OREGANO, for the development of observing strategies and data analysis for the anomalies’ detection through the use of random number generators.
- 2017-today: **Responsible and Coordinator** of the national project “Formazione a bordo della nave Signora del Vento”, in collaboration with Nautical Institute G. Caboto, for training of teachers and students, technology transfer and observing campaigns on marine and maritime issues.
- 2018-2022: **Responsible** for the CNR participation to the Horizon2020 project **ARICE** (EU coordination of icebreakers) for the indicators of the infrastructure
- 2017-2021: **Responsible** for the CNR participation to the Horizon2020 project **CSA Bluemed** (support to coordination of Mediterranean national programmes) for science diplomacy activities and strategy
- 2016-2019: **Responsible** for the CNR participation to the Horizon2020 project **CSA Oceans 2** (support to coordination of EU national programmes) for the foresight activities
- 2017-2020: Participant at the Horizon2020 project for EU Infrastructure **E-RIHS** (cultural heritage) for the governance and legal aspects

- 2016-today: **Coordinator** of the CNR S&T Foresight Group on Materials, see <http://foresight.cnr.it/working-groups/wg-materials>
- 2012-2015: **Scientific Responsible** for the CNR participation to the FP7 project CSA Oceans for the coordination of the national research programmes in marine-maritime issues supporting the Joint Programming Initiative “Healthy and Productive Seas and Oceans”
- 2009: **Co-coordinator** for the CNR proposal to a call of the Seventh framework Programme for the marine ERANET SEAS-ERA. Scientific and technical preparation of the proposal.
- 2009: **Co-coordinator** for the CNR proposal to a call of the Seventh framework Programme for the marine infrastructure JERICO. Scientific and technical preparation of the proposal.
- 2009-2010: **Coordinator** of the National Platform for the feasibility study for a Coastal Unmanned Underwater Vehicle (in cooperation with CNR, RINA, NURC, Italian Navy, Italian Universities)
- 2008-2010: **Project manager** of the Italian participation to the European project of the Seventh Framework Programme COPAL (COMMunity heavy-PAYload Long endurance) for the technical characteristics, organization and legal framework for an infrastructure for airborne research measurements.
- 2008-2010: **Project manager** of the CNR participation to the European project of the Seventh Framework Programme ERA-ENVHealth for the accountability of the costs.
- 2006-2009: **Principal Investigator/ Coordinator** of the Italian project ETNA (for details, see www.ism.cnr.it/Etna/etna.html) for the development of instrumentation dedicated to the analysis of extra-terrestrial nanomaterials,
- 2008: **Co-Investigator** for the Small Space Mission ADAHELI of the Italian Space Agency (P.I. Francesco Berrilli, University of Rome “Tor Vergata”). Design and launch of a small solar telescope.
- 2003-2004 : **Coordinator** of the “Concordiatro/Italy Castel” project for building and installing a solar telescope at the Italian base Concordia at Dome C in Antarctica
- 2001, 2003, 2006: **Principal Investigator** of observational campaigns at the Themis telescope (Spain). high spatial resolution data acquisition and analysis in the visible spectrum.
- 1994: **Project manager** for the instrumental set-up of the experiment of helioseismology at the X Italian Expedition to the Antarctic Italian base “Mario Zucchelli”. Installation and management of the instrumentation in situ. Scientific, technical and logistic issues.
- Participation to the Horizon2020 project COFASP (eranet on research programmes for aquaculture and fisheries) for the activities of funding opportunities and international cooperation (2013-2016)

OTHER | Prizes/merits

- “Best idea” for partnerships with industrial sector for control of hardening processes of steel (“K-idea” of the Parco Scientifico Tecnologico Kilometro Rosso (16 October 2008).
- Public merit III class, for the intervention in aid to the population after earthquake on 6 April 2009 (from Civil Protezione - Italian Presidency of the Ministries)
- Honorable mention prize at the BICS Essay contest (1 Nov 2021)

Other:

- **Author** of more than 40 international articles on refereed journals and more than 100 on proceedings and technical reports
- One international **patent**

- More than 40 roles of **moderator or chair** in international events
- More than 100 **oral contributions** at national and international event
- **Referee** for the Journals *Memorie Società Italiana* and *Advances in Space Research*.
- **Expert evaluator of the EU Commission** for projects in Horizon2020 and for EU-Japan joint projects submitted to the ERANET CONCERT-JAPAN
- Lecturer for national and international schools (e.g. project “ManGrowth”, funded by the Italian agency for International Cooperation, in Mozambique)
- **Researcher of the month** in “Cutting Edge” on *Journal Astronomy Now* (February 2007, 17)
- Member of the **Scientific Committee** of the *Journal Rivista Gemmologia Italiana* (2009-2010)
- Membro del **Scientific Committe** of the national initiative “I venerdì della conoscenza” (editions 2023, 2024, 2025), for dissemination to policy community and students of the future SCENARIOS (FORESIGHT)
- Member of the **Editorial Board** of the book “CNR Environment and Health Project: present knowledge and prospects for future research”, ISBN 9788880801139 (2010)
- Member of the **Editorial Office** of the book “Marine research at CNR”, ISSN 2239-5172 (2011)

Contact persons:

Stuart Jefferies, Associate Professor, University of Hawaii (USA)

Francesco Berrilli, Associate Professor, Università di Roma Tor Vergata (Italy)

Kathrine Angell-Hansen, JPI Oceans, Research Council of Norway (Norway)

Patrick Roose, Royal National Museum (Belgium)

I authorize the use of my personal data in compliance with the Italian Legislative Decree 196/03.

Annex A to the Curriculum Vitae of MORETTI Pier Francesco

List of patents, publications, technical reports

Patents

P.F. Moretti, M. Girasole, A. Cricenti, G. Pompeo, G. Longo (ref. n. RM 2006A000096, PCT/IT000120): "Optical method to control the hardening of metals or materials containing metals through the analysis of the VIS/NIR spectrum".

Publications (refereed journals, IF= impact factor, when known)
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- Cacciani, P.F. **Moretti**, D. Papaldo, E. Paverani, 1993, "Calibration methods in Helio and Asteroseismology", Mem. SAIt, 64, 457
- E.J. Smith, A. Cacciani, P.F. **Moretti**, D. Papaldo, E. Paverani, 1993, "Detection of Alfven waves in the atmosphere of the Sun", Mem. SAIt, 64, 451
- A. Cacciani, P.F. **Moretti**, D. Papaldo, E. Paverani, 1993, "The Stark effect as a calibration tool in Helioseismology", Solar Phys., 144, 205-216, IF=2.180.
- A. Cacciani, P.F. **Moretti**, M. Dolci, E. Brocato, E.J. Smith, 1995, "Doppler Observations of the Impact of Comet Shoemaker-Levy 9 Fragment A", Geoph. Res. Lett., 22/17, 2437-2440, IF=2.139.
- A. Cacciani, P.F. **Moretti**, and W.E. Rodgers, 1997, "Measuring Doppler and Magnetic fields simultaneously", Solar Phys., 174, 115-128, IF =1.180.
- A. Cacciani, P.F. **Moretti**, 1997, "Magnetic contamination and correction in Sodium Dopplergrams", Solar Phys., 175, 1-13, IF=1.180.
- Warmuth, A. Hanslmeier, M. Messerotti, A. Cacciani, P.F. **Moretti**, W. Otruba, 2000, "NOAA AR 8210: Evolution and flares from multiband diagnostics", Solar Phys., 194, 103-120, IA=2.095.
- P.F. **Moretti**, 2000, "Dopplergrams calibration", Solar Phys., 196, 51-61, IF =2.095.
- P.F. **Moretti**, 2000, "Can dopplergrams be corrected for straylight?", Solar Phys., 196, 299, IF =2.095.
- A. Cacciani, P.F. **Moretti**, M. Dolci, C. Giuliani, E. Micolucci, A. Di Cianno, F. D'Alessio, 2001, "Search for global oscillations on Jupiter with a double-cell Magneto-Optical Filter", Astron. & Astroph., 372, 317-325, IF =2.281.
- P.F. **Moretti**, A. Cacciani, A. Hanslmeier, M. Messerotti, M. Oliviero, W. Otruba, G. Severino, A. Warmuth, 2001, "The source of the solar oscillations: magnetic or convective?", Astron. & Astroph., 372, 1038-1047, IF =2.281.
- P.F. **Moretti**, M. Oliviero, G. Severino, 2001 The local analysis to investigate the source of the solar oscillations, Mem SAIt, 72, 522-527
- P.F. **Moretti**, G. Severino, E. Cascone, and the Concordiastro/Italy Team, 2001, "A proposal for solar observations at Dome C", to appear in the Proceedings of the "Third International Workshop on Astrophysics at Dome C", Astronomical Society of Australia Publ., vol 19
- P.F. **Moretti**, 2001, "The source of solar oscillations: above or below?", in "Themis and the new frontiers of the solar atmosphere dynamics", Il Nuovo Cimento C, 25, 653, IF =0.234.
- P.F. **Moretti**, G. Severino, 2002, "The I-V phase difference with Magneto-Optical Filters", Astron. & Astroph., 384, 638-649, IF =3.781.
- M. Oliviero, P.F. **Moretti**, G. Severino, Th. Straus, M. Magri, A. Tripicchio, 2002, "Preliminary Results on the Solar Photospheric Dynamics Observed with Vamos", Solar Phys., 209/1, 21-35, IF =1.875.
- P.F. **Moretti**, A. Cacciani, A. Hanslmeier, M. Messerotti, W. Otruba, A. Warmuth, 2002, "An interpretation of the I-V phase background based on observed plasma jets ", Astron. & Astroph., 395, 293-296, IF =3.781.

- G. Severino, P.F. **Moretti** et. al., “CONCORDIASTRO/Italy: A Solar High-Resolution Observation Program at Dome-C”, MEm SaIt Suppl., 2, 181
- P.F. **Moretti**, G. Severino, 2003, “CASTEL: Capodimonte Antarctic Solar TELEscope”, MEm SaIt Suppl., 2, 186
- P.F. **Moretti**, A. Cacciani, A. Hanslmeier, M. Messerotti, W. Otruba, A. Warmuth, 2003, “Full-disk magnetic oscillations in the solar photosphere”, Astron. & Astroph., 403, 297-302, IF =3.843.
- S.M. Jefferies, G. Severino, P.F. **Moretti**, M. Oliviero, C. Giebink, 2003, “How well can we infer the properties of the solar acoustic source?”, Asrtrophys. Journal, 596, L117-L120, IF =6.604.
- P.F. **Moretti**, F. Berrilli, , A. Sebastianelli, C. Briand, E. Pietropaolo, 2003, “Detection of photospheric impacts from chromospheric impulsive events”, Astrophys. Journal Letters, 589, L109-L112, IF =6.604.
- P.F. **Moretti**, G. Severino, 2004, "A model to interpret the I-V and V-V phase differences from solar observations obtained with magneto-optical filters", Astron. & Astroph., 421, 729-734, IF =3.843.
- P.F. **Moretti**, A. Maras, E. Palomba, M. Girasole, A. Cricenti, G. Pompeo, G. Longo, F. Somma, L. Colangeli, M. Serracino, 2005, "Detection of nano-structured metal in meteorites: its implications for the reddening of asteroids", Astrophys. Journal Letters, 634, L117-120, IF =6.604.
- P.F. **Moretti**, A. Maras, F. Somma, P. Aloe, 2006, “Simulation of asteroid surfaces: regolith formation and reddening of the spectra”, Astron. & Astroph., 459, 245-248
- M. Macrì, A. Maras, P.F. **Moretti**, M. Serracino, 2006, “A new gem on the market: the sunset Quartz”, Gems & Gemology, 42, 277, IF=1.762.
- P.F. **Moretti**, 2007, “Waves in the solar magnetized atmosphere: still a puzzle”, Mem. SAIt, in stampa.
- P.F. **Moretti**, A. Maras, L. Folco, 2007, “Space weathering, reddening and gardening of asteroids: a complex problem”, Advances in Space Research, 40, 258-261.
- **P.F. Moretti**, S.M. Jefferies, J.D. Armstrong, S.W. McIntosh, 2007, “Observational signatures of the interaction between acoustic waves and the solar magnetic canopy”, Astronomy & Astrophysics, 471, 961-965, IF=3.971.
- G. Pompeo, M. Girasole, G. Longo, A. Cricenti, A. Maras, **P.F. Moretti**, 2008, “Surface characterization of shot peened steels with Atomic Force Microscopy”, J. Microscopy, 230, 218-223
- Macrì M., Maras A., Serracino M. e **Moretti P.F.**, 2009, “Quartz with ankangite and celsian inclusions from Brazil”, Gems & Gemology, Spring 2009, 45, 71-72
- **P.F. Moretti**, F. Berrilli, A. Bigazzi, S.M. Jefferies, N. Murphy, L. Roselli, M.P. Di Mauro, “Future Instrumentation for Solar Physics: a double-channel MOF imager on board ASI Space Mission ADAHELI”, Astrophysics Space Sci., 2010, 328, 313-318
- G. Pompeo, G. Longo, M. Girasole, **P.F. Moretti**, E. Palomba, A. Maras, F. Somma, A. Cricenti, 2010, “AFM and SNOM characterization of ordinary chondrites: a contribution to solve the problem of asteroid reddening”, Physica Status Solidi B, 247, 2061-2066, IF=1.344
- Adaheli Team, Berrilli, F., Bigazzi, A., Roselli, L., Sabatini, P., Velli, M., Alimenti, F., Cavallini, F., Greco, V., **Moretti**, P.F., 2010 “The ADAHELI solar mission: Investigating the structure of Sun’s lower atmosphere”, Advances in Space Research, 45/10, 1191-1202, IF=1.076
- M. Stangalini, F. Berrilli, D. Del Moro, A. Egidi, S. Giordano, P.F. **Moretti**, B. Viticchiè, 2010, “Coupling photosphere and chromosphere through plasma waves”, Mem Sait, 81, 806
- M. Stangalini P.F. **Moretti**, 2012, “High frequency signals in the solar atmosphere as a result of the interference between acoustic sources”, Mem. SaIt suppl., 19, 121
- P.F. **Moretti**, 2015, “Excellence: EU research plans may widen gaps”, Nature, 518, 167

- P.F. **Moretti**, B.A. Grzybowski, V. Basios, E. Fortunato, M. Suarez Diez, O. Speck, R. Martins, 2019, "STEM Materials: a new frontier for an intelligent sustainable world", BMC materials, eds Springer Nature, 2019 (1, 3)
- M. Sprovieri, M. Ribera d'Alcalà, P. Roose, A. Drago, K. De Cauwer, F. Falcini, I. Lips, C. Maggi, A. Mauffret, J. Tronczynski, C. Zeri, **P.F. Moretti**, 2021, "Science for Good Environmental Status: a European joint action to support marine policy", Sustainability, 2021, 13, 8664
- R. Buizza, E. Capobianco, **P.F. Moretti**, P. Vines, 2021, "How can we weather a virus storm? Health Prediction Center inspired by meteorology could be the answer", 2021, Journal of Transnational Medicine, 2021, 19:102
- **P.F. Moretti**, L. Moretti, M. Guerrini, 2022, "Europe reforms its research evaluation and management", Nature, 602, 578
- **P.F. Moretti**, E. Andreta, 2022, Foresight and governance for policy, in Handbook of Foresight, Strategy, and Futures Studies for Defense and Security, Springer Nature, Gabriele Rizzo & Anthony Masys eds., in press
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