# Maurizio Ferretti

List of Publications by Year
in descending order

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| 86 | 2,437 | 279487 | 223531 |
|---|---|---|---|
| papers | citations | 23 h-index | 46 g-index |

| 88 | 88 | 88 | 3004 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Colloidal Synthesis of Double Perovskite Cs<sub>2</sub>AgInCl<sub>6</sub> and Mn-Doped Cs<sub>2</sub>AgInCl<sub>6</sub> Nanocrystals. Journal of the American Chemical Society, 2018, 140, 12989-12995. | 6.6 | 397 |
| 2 | Emissive Bi-Doped Double Perovskite Cs<sub>2</sub>Ag<sub>1â€“x</sub>Na<sub>x</sub>InCl<sub>6</sub> Nanocrystals. ACS Energy Letters, 2019, 4, 1976-1982. | 8.8 | 198 |
| 3 | Postsynthesis Transformation of Insulating Cs<sub>4</sub>PbBr<sub>6</sub> Nanocrystals into Bright Perovskite CsPbBr<sub>3</sub> through Physical and Chemical Extraction of CsBr. ACS Energy Letters, 2017, 2, 2445-2448. | 8.8 | 177 |
| 4 | Cationic distribution and spin canting in CoFe<sub>2</sub>O<sub>4</sub>nanoparticles. Journal of Physics Condensed Matter, 2011, 23, 426004. | 0.7 | 114 |
| 5 | From CsPbBr<sub>3</sub> Nano-Inks to Sintered CsPbBr<sub>3</sub>â€“CsPb<sub>2</sub>Br<sub>5</sub> Films via Thermal Annealing: Implications on Optoelectronic Properties. Journal of Physical Chemistry C, 2017, 121, 11956-11961. | 1.5 | 96 |
| 6 | Synthesis and Thermal Stability of LiCoO2. Journal of Solid State Chemistry, 1995, 117, 1-7. | 1.4 | 81 |
| 7 | Phase Transformation at 240 K in YBa <sub>2</sub> Cu <sub>3</sub> O <sub> 7- x </sub> by Measurements of Elastic Energy Dissipation and Modulus and its Possible Relation with the Enhancement of T <sub>c</sub> Above 100 K. Europhysics Letters, 1988, 6, 271-276. | 0.7 | 72 |
| 8 | Anelastic relaxation in the high-TcsuperconductorYBa2Cu3O7â^'x. Physical Review B, 1987, 36, 8907-8909. | 1.1 | 69 |
| 9 | Synthesis and characterization of nitrogen-doped TiO2 nanoparticles prepared by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2012, 63, 16-22. | 1.1 | 56 |
| 10 | Dynamics of oxygen in theYBa2Cu3O7â^'xbasal planes by elastic-energy-loss measurements. Physical Review B, 1990, 42, 7925-7930. | 1.1 | 45 |
| 11 | Kinetics and Mechanism of Formation of Barium Zirconate from Barium Carbonate and Zirconia Powders. Journal of the American Ceramic Society, 2003, 86, 19-25. | 1.9 | 44 |
| 12 | An Upâ€toâ€Date Review on Alginate Nanoparticles and Nanofibers for Biomedical and Pharmaceutical Applications. Advanced Materials Interfaces, 2021, 8, 2100809. | 1.9 | 44 |
| 13 | Low-temperature phase transformations inYBa2Cu3O6+xby anelastic relaxation measurements and possible formation of ferroelectric and antiferroelectric domains. Physical Review B, 1992, 45, 931-937. | 1.1 | 42 |
| 14 | Influence of TiO<sub>2</sub>Nanoparticles on Growth and Phenolic Compounds Production in Photosynthetic Microorganisms. Scientific World Journal, The, 2014, 2014, 1-9. | 0.8 | 38 |
| 15 | Inactivation of Escherichia coli on anatase and rutile nanoparticles using UV and fluorescent light. Materials Research Bulletin, 2013, 48, 2095-2101. | 2.7 | 37 |
| 16 | Mechanochemical Synthesis of Sn(II) and Sn(IV) Iodide Perovskites and Study of Their Structural, Chemical, Thermal, Optical, and Electrical Properties. Energy Technology, 2020, 8, 1900788. | 1.8 | 34 |
| 17 | TiO2-modified zeolites for fluoroquinolones removal from wastewaters and reuse after solar light regeneration. Journal of Environmental Chemical Engineering, 2014, 2, 2170-2176. | 3.3 | 31 |
| 18 | Hybrid ZnO:polystyrene nanocomposite for allâ€polymer photonic crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 158-162. | 0.8 | 30 |

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|---|---|---|---|
| 19 | Synthesis of YBa2Cu3O7â^'x polycrystalline superconductors from Ba peroxide: First physico-chemical characterization. Journal of Crystal Growth, 1987, 85, 623-627. | 0.7 | 29 |
| 20 | Synthesis and characterisation of superconducting RuSr2GdCu2O8. Physica C: Superconductivity and Its Applications, 2002, 377, 431-436. | 0.6 | 29 |
| 21 | Skeletal infrared spectra and structural properties of La2â^'xSrxCuO4 and La2â^'xBaxCuO4 cuprate powders in the 0â‰¤xâ‰¤0.125 region. Physica C: Superconductivity and Its Applications, 1999, 319, 229-237. | 0.6 | 28 |
| 22 | Fast oxygen mobility in tetragonal YBa2Cu3O7-x by anelastic relaxation measurements. Solid State Communications, 1991, 77, 429-431. | 0.9 | 26 |
| 23 | Different solâ€“gel preparations of iron-doped TiO2 nanoparticles: characterization, photocatalytic activity and cytotoxicity. Journal of Sol-Gel Science and Technology, 2016, 80, 152-159. | 1.1 | 25 |
| 24 | Magnetisation measurements on tubular samples of YBa2Cu3O7-y. Superconductor Science and Technology, 1988, 1, 30-35. | 1.8 | 24 |
| 25 | Magnetic characterization of undoped and 15%F-doped LaFeAsO and SmFeAsO compounds. Journal of Magnetism and Magnetic Materials, 2009, 321, 3024-3030. | 1.0 | 22 |
| 26 | Enhancement of TiO2 NPs Activity by Fe3O4 Nano-Seeds for Removal of Organic Pollutants in Water. Materials, 2016, 9, 771. | 1.3 | 20 |
| 27 | TiO2 and N-TiO2 Sepiolite and Zeolite Composites for Photocatalytic Removal of Ofloxacin from Polluted Water. Materials, 2020, 13, 537. | 1.3 | 19 |
| 28 | Hydrogen storage in Mg51Zn20. International Journal of Hydrogen Energy, 1983, 8, 459-461. | 3.8 | 18 |
| 29 | Anelastic spectroscopy of the cluster spin-glass phase inLa2â^'xSrxCuO4. Physical Review B, 2000, 62, 5309-5312. | 1.1 | 18 |
| 30 | UV-254 degradation of nicotine in natural waters and leachates produced from cigarette butts and heat-not-burn tobacco products. Environmental Research, 2021, 194, 110695. | 3.7 | 18 |
| 31 | Electrochemical Investigation of Oxygen Intercalation into La2CuO4+Î´Phases. Journal of Solid State Chemistry, 1999, 144, 8-15. | 1.4 | 17 |
| 32 | Crystal and magnetic structure of Cr- and Ni-substituted (La<sub>0.50</sub>Ca<sub>0.50</sub>)MnO<sub>3</sub>. Journal of Physics Condensed Matter, 2008, 20, 145210. | 0.7 | 17 |
| 33 | Green Synthesis of Silver Nanoparticles by Low-Energy Wet Bead Milling of Metal Spheres. Materials, 2020, 13, 63. | 1.3 | 17 |
| 34 | Experimental and Physico-Chemical Comparison of ZnO Nanoparticlesâ€™ Activity for Photocatalytic Applications in Wastewater Treatment. Catalysts, 2021, 11, 678. | 1.6 | 17 |
| 35 | On the physico-chemical characterization of high Tc superconducting defect-perovskite YBa2Cu3O7â^'x. Solid State Communications, 1988, 65, 469-471. | 0.9 | 16 |
| 36 | The bulk modulus of SmFeAs(O0.93F0.07). Physica C: Superconductivity and Its Applications, 2009, 469, 782-784. | 0.6 | 16 |

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| 37 | Photocatalytic activity of TiO2 nanopowders supported on a new persistent luminescence phosphor. Catalysis Communications, 2016, 74, 24-27. | 1.6 | 16 |
| 38 | Hydrogen storage in aluminium-substituted TiFe compounds. International Journal of Hydrogen Energy, 1981, 6, 181-184. | 3.8 | 15 |
| 39 | The Baî—¸Ag system. Journal of the Less Common Metals, 1987, 128, 259-264. | 0.9 | 15 |
| 40 | Effect of disorder on the passage from bulk superconductivity to spin glass behaviour in RuSr2GdCu2O8. Superconductor Science and Technology, 2005, 18, 454-460. | 1.8 | 15 |
| 41 | Comparative study of the phase transition of Li1+xMn2â^'xO4 by anelastic spectroscopy and differential scanning calorimetry. Electrochemistry Communications, 2006, 8, 113-117. | 2.3 | 15 |
| 42 | Composite Water-Borne Polyurethane Nanofibrous Electrospun Membranes with Photocatalytic Properties. ACS Applied Polymer Materials, 2021, 3, 6157-6166. | 2.0 | 15 |
| 43 | Structural and magnetic properties of Cu substituted manganites studied by EXAFS and dc magnetization measurements. Journal of Alloys and Compounds, 2009, 478, 479-483. | 2.8 | 14 |
| 44 | The Baî—¸Zn system. Journal of the Less Common Metals, 1985, 114, 305-310. | 0.9 | 13 |
| 45 | The Crystal Structure of BaY2O4, Isotypic with SrY2O4. Powder Diffraction, 1989, 4, 24-25. | 0.4 | 13 |
| 46 | Mobility and short-range ordering of oxygen in ifRrmBain2Cuin3Oinrm6+x by anelastic relaxation and possible correlation with the 90 K and 60 K superconducting phases. Solid State Communications, 1992, 82, 433-436. | 0.9 | 13 |
| 47 | FT-IR skeletal study of RBa2Cu3O7â^'y (R = Ln or Y) and Nd2â^'xCexCuO4 cuprate powders. Journal of Solid State Chemistry, 1995, 119, 36-44. | 1.4 | 13 |
| 48 | Effects of ventilator settings, nebulizer and exhalation port position on albuterol delivery during non-invasive ventilation: an in-vitro study. BMC Pulmonary Medicine, 2017, 17, 9. | 0.8 | 13 |
| 49 | Thermal analysis im the M-Ba-Cu-O systems (M = Y, La, Pr) in relation to high Tc superconductors. Thermochimica Acta, 1988, 133, 17-22. | 1.2 | 12 |
| 50 | Sintering and melting characteristics of YBa2Cu3O7â^'x Oxides obtained from the â€œbarium peroxide reactionâ€• Journal of Crystal Growth, 1988, 91, 392-396. | 0.7 | 12 |
| 51 | Porous polydimethylsiloxane membranes loaded with low-temperature crystallized TiO2 NPs for detachable antibacterial films. Journal of Materials Science, 2019, 54, 1665-1676. | 1.7 | 12 |
| 52 | On the melt processed YBa2Cu3O7â^'x physico-chemical characterization. Solid State Communications, 1988, 68, 923-928. | 0.9 | 11 |
| 53 | Reordering stages of oxygen around 500 K in ReBa2Cu3O6+x by anelastic relaxation measurements. Solid State Communications, 1991, 80, 715-718. | 0.9 | 11 |
| 54 | The crystal and magnetic structure of Ti-substituted LaCrO3. Materials Research Bulletin, 2011, 46, 190-193. | 2.7 | 11 |

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| 55 | Hydrogen storage in a beryllium substituted TiFe compound. International Journal of Hydrogen Energy, 1980, 5, 317-322. | 3.8 | 10 |
| 56 | Synthesis of TiO2 rutile nanoparticles by PLA in solution. Applied Surface Science, 2012, 258, 2393-2396. | 3.1 | 10 |
| 57 | Dynamics of the low temperature inhomogeneous phase in manganese perovskites. Solid State Communications, 2001, 120, 317-320. | 0.9 | 9 |
| 58 | Anelastic spectroscopy as a selective probe to reveal and characterize spurious phases in solid compounds. Journal of Applied Physics, 2002, 92, 7206-7209. | 1.1 | 9 |
| 59 | Decomposition of (Sn2xFe1â^'xSb1â^'x)O4 solid solutions with xâ‰¤0.50. Materials Research Bulletin, 2003, 38, 1629-1634. | 2.7 | 9 |
| 60 | Application of the SHS technique in the synthesis of the perovskite-type MgxCyNi3 compound. Materials Research Bulletin, 2004, 39, 647-654. | 2.7 | 9 |
| 61 | Local structure and magnetic properties of Mn substituted manganites studied by EXAFS and Dc magnetic measurements. Solid State Communications, 2005, 136, 244-249. | 0.9 | 9 |
| 62 | Structural studies on copper and nitrogen doped nanosized anatase. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 867-876. | 0.4 | 9 |
| 63 | Attenuation of oxidative stress and chromosomal aberrations in cultured macrophages and pulmonary cells following self-sustained high temperature synthesis of asbestos. Scientific Reports, 2020, 10, 8581. | 1.6 | 9 |
| 64 | Structural change of LixNi1 â^' x during synthesis. Materials Letters, 1997, 30, 59-63. | 1.3 | 8 |
| 65 | Relation between charge ordering and local lattice disorder in manganites studied by EXAFS. Solid State Communications, 2004, 129, 143-146. | 0.9 | 8 |
| 66 | Mobility and aggregation of oxygen inYBa2Cu3O6+xin the low-concentration limit. Physical Review B, 1994, 50, 16679-16683. | 1.1 | 7 |
| 67 | Structural, microstructural and magnetic properties of (La<sub>1â^'x</sub>Ca<sub>x</sub>)MnO<sub>3</sub>nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 176003. | 0.7 | 7 |
| 68 | Systematic Study on TiO2 Crystallization via Hydrothermal Synthesis in the Presence of Different Ferrite Nanoparticles as Nucleation Seeds. Journal of Nanoscience and Nanotechnology, 2019, 19, 4994-4999. | 0.9 | 7 |
| 69 | Efficiency in Ofloxacin Antibiotic Water Remediation by Magnetic Zeolites Formed Combining Pure Sources and Wastes. Processes, 2021, 9, 2137. | 1.3 | 7 |
| 70 | High-Moment FeCo Magnetic Nanoparticles Obtained by Topochemical H2 Reduction of Co-Ferrites. Applied Sciences (Switzerland), 2022, 12, 1899. | 1.3 | 7 |
| 71 | Effects of Nebulizer Position, Gas Flow, and CPAP on Aerosol Bronchodilator Delivery: An In Vitro Study. Respiratory Care, 2016, 61, 263-268. | 0.8 | 6 |
| 72 | Thermogravimetry and evolved gas analysis for the investigation of ligand-exchange reaction in thiol-functionalized gold nanoparticles. Journal of Analytical and Applied Pyrolysis, 2018, 132, 11-18. | 2.6 | 6 |

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| 73 | Solid-phase extraction of vanadium(V) from tea infusions and wines on immobilized nanometer titanium dioxide followed by ICP-OES analysis. Arabian Journal of Chemistry, 2019, 12, 1902-1907. | 2.3 | 6 |
| 74 | Red-emissive nanocrystals of Cs<sub>4</sub>Mn<sub>x</sub>Cd<sub>1â^'x</sub>Sb<sub>2</sub>Cl<sub>12</sub> layered perovskites. Nanoscale, 2022, 14, 305-311. | 2.8 | 6 |
| 75 | Superconducting Properties of ${m V}_{3}{m Si}$ Thin Films Grown by Pulsed Laser Ablation. IEEE Transactions on Applied Superconductivity, 2009, 19, 2682-2685. | 1.1 | 5 |
| 76 | The Self-sustained High temperature Synthesis (SHS) technology as novel approach in the management of asbestos waste. Journal of Environmental Management, 2018, 216, 246-256. | 3.8 | 5 |
| 77 | Metal to semiconductor transition of vacuum annealed YBa2Cu3O7-x and characterization of its semiconducting state. Solid State Communications, 1988, 68, 323-325. | 0.9 | 4 |
| 78 | Thermal treatment of Co/Li2CO3 mixtures at 1200 Â°C. Materials Letters, 1995, 24, 89-95. | 1.3 | 4 |
| 79 | Doping effects on the phase transition of LiMn2O4 by anelastic spectroscopy and differential scanning calorimetry. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 220-223. | 2.6 | 4 |
| 80 | Sorbents Coupled to Solar Light TiO<sub>2</sub>-Based Photocatalysts for Olive Mill Wastewater Treatment. International Journal of Photoenergy, 2016, 2016, 1-7. | 1.4 | 4 |
| 81 | Solid state miscibility in the pseudo-binary TiO2â€”(FeSb)O4 system at 1373 K. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, . | 0.4 | 3 |
| 82 | Solid state solubility between SnO2 and (FeSb)O4at high temperature. Zeitschrift Fur Kristallographie - Crystalline Materials, 2006, 221, . | 0.4 | 3 |
| 83 | Effects of distancing and pattern of breathing on the filtering capability of commercial and custom-made facial masks: An in-vitro study. PLoS ONE, 2021, 16, e0250432. | 1.1 | 3 |
| 84 | Unconventional synthesis of MgxCyNi3: Synergic combination of mechanical alloying, SHS and isothermal heating. Journal of Materials Science, 2004, 39, 5333-5337. | 1.7 | 2 |
| 85 | Preparation and characterization of superconducting YBa2Cu3O7-x thick films from powder of non-homogeneous particle size. Applied Superconductivity, 1993, 1, 1773-1784. | 0.5 | 0 |
| 86 | Structural and Magnetic Properties of Nanosized Half-Doped Rare-Earth Ho0.5Ca0.5MnO3 Manganite. Applied Sciences (Switzerland), 2022, 12, 695. | 1.3 | 0 |