Maurizio Ferretti

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Red-emissive nanocrystals of Cs₄Mn_xCd_{1â^'x}Sb₂Cl₁₂ layered perovskites. Nanoscale, 2022, 14, 305-311.	2.8	6
2	Structural and Magnetic Properties of Nanosized Half-Doped Rare-Earth Ho0.5Ca0.5MnO3 Manganite. Applied Sciences (Switzerland), 2022, 12, 695.	1.3	0
3	High-Moment FeCo Magnetic Nanoparticles Obtained by Topochemical H2 Reduction of Co-Ferrites. Applied Sciences (Switzerland), 2022, 12, 1899.	1.3	7
4	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
5	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
6	Experimental and Physico-Chemical Comparison of ZnO Nanoparticlesâ€™ Activity for Photocatalytic Applications in Wastewater Treatment. Catalysts, 2021, 11, 678.	1.6	17
7	An Upâ€toâ€Date Review on Alginate Nanoparticles and Nanofibers for Biomedical and Pharmaceutical Applications. Advanced Materials Interfaces, 2021, 8, 2100809.	1.9	44
8	Efficiency in Ofloxacin Antibiotic Water Remediation by Magnetic Zeolites Formed Combining Pure Sources and Wastes. Processes, 2021, 9, 2137.	1.3	7
9	Composite Water-Borne Polyurethane Nanofibrous Electrospun Membranes with Photocatalytic Properties. ACS Applied Polymer Materials, 2021, 3, 6157-6166.	2.0	15
10	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
11	Green Synthesis of Silver Nanoparticles by Low-Energy Wet Bead Milling of Metal Spheres. Materials, 2020, 13, 63.	1.3	17
12	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
13	TiO2 and N-TiO2 Sepiolite and Zeolite Composites for Photocatalytic Removal of Ofloxacin from Polluted Water. Materials, 2020, 13, 537.	1.3	19
14	Emissive Bi-Doped Double Perovskite Cs₂Ag_{1â€“x}Na_xInCl₆ Nanocrystals. ACS Energy Letters, 2019, 4, 1976-1982.	8.8	198
15	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
16	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
17	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
18	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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19	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
20	Colloidal Synthesis of Double Perovskite Cs₂AgInCl₆ and Mn-Doped Cs₂AgInCl₆ Nanocrystals. Journal of the American Chemical Society, 2018, 140, 12989-12995.	6.6	397
21	Structural studies on copper and nitrogen doped nanosized anatase. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 867-876.	0.4	9
22	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
23	From CsPbBr₃ Nano-Inks to Sintered CsPbBr₃â€“CsPb₂Br₅ Films via Thermal Annealing: Implications on Optoelectronic Properties. Journal of Physical Chemistry C, 2017, 121, 11956-11961.	1.5	96
24	Postsynthesis Transformation of Insulating Cs₄PbBr₆ Nanocrystals into Bright Perovskite CsPbBr₃ through Physical and Chemical Extraction of CsBr. ACS Energy Letters, 2017, 2, 2445-2448.	8.8	177
25	Sorbents Coupled to Solar Light TiO₂-Based Photocatalysts for Olive Mill Wastewater Treatment. International Journal of Photoenergy, 2016, 2016, 1-7.	1.4	4
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	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
28	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
29	Photocatalytic activity of TiO2 nanopowders supported on a new persistent luminescence phosphor. Catalysis Communications, 2016, 74, 24-27.	1.6	16
30	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
31	Influence of TiO₂Nanoparticles on Growth and Phenolic Compounds Production in Photosynthetic Microorganisms. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	38
32	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
33	Inactivation of Escherichia coli on anatase and rutile nanoparticles using UV and fluorescent light. Materials Research Bulletin, 2013, 48, 2095-2101.	2.7	37
34	Structural, microstructural and magnetic properties of (La_{1â^’x}Ca_x)MnO₃nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 176003.	0.7	7
35	Synthesis of TiO2 rutile nanoparticles by PLA in solution. Applied Surface Science, 2012, 258, 2393-2396.	3.1	10
36	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

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37	Cationic distribution and spin canting in CoFe₂O₄nanoparticles. Journal of Physics Condensed Matter, 2011, 23, 426004.	0.7	114
38	The crystal and magnetic structure of Ti-substituted LaCrO3. Materials Research Bulletin, 2011, 46, 190-193.	2.7	11
39	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
40	The bulk modulus of SmFeAs(O0.93F0.07). Physica C: Superconductivity and Its Applications, 2009, 469, 782-784.	0.6	16
41	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
42	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
43	Crystal and magnetic structure of Cr- and Ni-substituted (La_{0.50}Ca_{0.50})MnO₃. Journal of Physics Condensed Matter, 2008, 20, 145210.	0.7	17
44	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
45	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
46	Solid state solubility between SnO2 and (FeSb)O4at high temperature. Zeitschrift Fur Kristallographie - Crystalline Materials, 2006, 221, .	0.4	3
47	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
48	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
49	Application of the SHS technique in the synthesis of the perovskite-type MgxCyNi3 compound. Materials Research Bulletin, 2004, 39, 647-654.	2.7	9
50	Unconventional synthesis of MgxCyNi3: Synergic combination of mechanical alloying, SHS and isothermal heating. Journal of Materials Science, 2004, 39, 5333-5337.	1.7	2
51	Relation between charge ordering and local lattice disorder in manganites studied by EXAFS. Solid State Communications, 2004, 129, 143-146.	0.9	8
52	Solid state miscibility in the pseudo-binary TiO2â€"(FeSb)O4 system at 1373 K. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, .	0.4	3
53	Decomposition of (Sn2xFe1â^'xSb1â^'x)O4 solid solutions with xâ‰0.50. Materials Research Bulletin, 2003, 38, 1629-1634.	2.7	9
54	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

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55	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
56	Synthesis and characterisation of superconducting RuSr2GdCu2O8. Physica C: Superconductivity and Its Applications, 2002, 377, 431-436.	0.6	29
57	Dynamics of the low temperature inhomogeneous phase in manganese perovskites. Solid State Communications, 2001, 120, 317-320.	0.9	9
58	Anelastic spectroscopy of the cluster spin-glass phase inLa2â^'xSrxCuO4. Physical Review B, 2000, 62, 5309-5312.	1.1	18
59	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
60	Electrochemical Investigation of Oxygen Intercalation into La2CuO4+Î´Phases. Journal of Solid State Chemistry, 1999, 144, 8-15.	1.4	17
61	Structural change of LixNi1 â^' x during synthesis. Materials Letters, 1997, 30, 59-63.	1.3	8
62	Synthesis and Thermal Stability of LiCoO2. Journal of Solid State Chemistry, 1995, 117, 1-7.	1.4	81
63	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
64	Thermal treatment of Co/Li2CO3 mixtures at 1200 Â°C. Materials Letters, 1995, 24, 89-95.	1.3	4
65	Mobility and aggregation of oxygen inYBa2Cu3O6+xin the low-concentration limit. Physical Review B, 1994, 50, 16679-16683.	1.1	7
66	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
67	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
68	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
69	Fast oxygen mobility in tetragonal YBa2Cu3O7-x by anelastic relaxation measurements. Solid State Communications, 1991, 77, 429-431.	0.9	26
70	Reordering stages of oxygen around 500 K in ReBa2Cu3O6+x by anelastic relaxation measurements. Solid State Communications, 1991, 80, 715-718.	0.9	11
71	Dynamics of oxygen in theYBa2Cu3O7â^'xbasal planes by elastic-energy-loss measurements. Physical Review B, 1990, 42, 7925-7930.	1.1	45
72	The Crystal Structure of BaY2O4, Isotypic with SrY2O4. Powder Diffraction, 1989, 4, 24-25.	0.4	13

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73	On the melt processed YBa2Cu3O7â^'x physico-chemical characterization. Solid State Communications, 1988, 68, 923-928.	0.9	11
74	On the physico-chemical characterization of high Tc superconducting defect-perovskite YBa2Cu3O7â^'x. Solid State Communications, 1988, 65, 469-471.	0.9	16
75	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
76	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
77	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
78	Magnetisation measurements on tubular samples of YBa2Cu3O7-y. Superconductor Science and Technology, 1988, 1, 30-35.	1.8	24
79	Phase Transformation at 240 K in YBa ₂ Cu ₃ O _{7- x} by Measurements of Elastic Energy Dissipation and Modulus and its Possible Relation with the Enhancement of T _c Above 100 K. Europhysics Letters, 1988, 6, 271-276.	0.7	72
80	Anelastic relaxation in the high-TcsuperconductorYBa2Cu3O7â^'x. Physical Review B, 1987, 36, 8907-8909.	1.1	69
81	The Baî—¸Ag system. Journal of the Less Common Metals, 1987, 128, 259-264.	0.9	15
82	Synthesis of YBa2Cu3O7â^'x polycrystalline superconductors from Ba peroxide: First physico-chemical characterization. Journal of Crystal Growth, 1987, 85, 623-627.	0.7	29
83	The Baî—¸Zn system. Journal of the Less Common Metals, 1985, 114, 305-310.	0.9	13
84	Hydrogen storage in Mg51Zn20. International Journal of Hydrogen Energy, 1983, 8, 459-461.	3.8	18
85	Hydrogen storage in aluminium-substituted TiFe compounds. International Journal of Hydrogen Energy, 1981, 6, 181-184.	3.8	15
86	Hydrogen storage in a beryllium substituted TiFe compound. International Journal of Hydrogen Energy, 1980, 5, 317-322.	3.8	10