Maria Teresa Buscaglia

List of Publications by Year
in descending order

41 papers	3,286 citations	201674 27 h-index	289244 40 g-index
43 all docs	43 docs citations	43 times ranked	3697 citing authors

#	Article	IF	Citations
1	Improved dielectric properties of poly(vinylidene fluoride)â€“<scp>BaTiO₃</scp> composites by solventâ€free processing. Journal of Applied Polymer Science, 2021, 138, 50049.	2.6	11
2	PVDFâ€“ferrite composites with dual magneto-piezoelectric response for flexible electronics applications: synthesis and functional properties. Journal of Materials Science, 2020, 55, 3926-3939.	3.7	29
3	Revealing the Role of the Intermediates during the Synthesis of BaTi5O11. Inorganic Chemistry, 2019, 58, 8120-8129.	4.0	4
4	Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure. Applied Physics Letters, 2014, 105, .	3.3	9
5	Novel magnetoelectric ceramic composites by control of the interface reactions in Fe2O3@BaTiO3 core-shell structures. Journal of Applied Physics, 2014, 116, .	2.5	19
6	Effect of nanostructure on the thermal conductivity of La-doped SrTiO3 ceramics. Journal of the European Ceramic Society, 2014, 34, 307-316.	5.7	78
7	Raman spectroscopic study of layered quaternary ferrite Ba12Fe28Ti15O84. Phase Transitions, 2013, 86, 661-669.	1.3	2
8	Second-Harmonic Generation of Single BaTiO₃ Nanoparticles down to 22 nm Diameter. ACS Nano, 2013, 7, 5343-5349.	14.6	109
9	Nanoparticle laden interfacial layers and application to foams and solid foams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 438, 132-140.	4.7	26
10	Investigation of the ferroelectricâ€“relaxor crossover in Ce-doped BaTiO3ceramics by impedance spectroscopy and Raman study. Phase Transitions, 2013, 86, 703-714.	1.3	37
11	Preparation of Bi₂Fe₄O₉particles by hydrothermal synthesis and functional properties. Phase Transitions, 2013, 86, 726-736.	1.3	15
12	Grain Sizeâ€Dependent Properties of Dense Nanocrystalline Barium Titanate Ceramics. Journal of the American Ceramic Society, 2012, 95, 3912-3921.	3.8	104
13	Hydrothermal Synthesis of SrTiO₃ Mesocrystals: Single Crystal to Mesocrystal Transformation Induced by Topochemical Reactions. Crystal Growth and Design, 2012, 12, 4450-4456.	3.0	66
14	Ferroelectricity in Bi<inf>4</inf>Ti<inf>3</inf>O<inf>12</inf> nanorods. , 2011, , .		0
15	Formation of Bi4Ti3O12One-Dimensional Structures by Solid-State Reactive Diffusion. From Coreâ^'Shell Templates to Nanorods and Nanotubes. Crystal Growth and Design, 2011, 11, 1394-1401.	3.0	28
16	Nanocrystalline oxide (Y2O3, Dy2O3, ZrO2, NiO) coatings on BaTiO3 submicron particles by precipitation. Journal of Nanoparticle Research, 2010, 12, 623-633.	1.9	19
17	Polymer-assisted precipitation of ZnO nanoparticles with narrow particle size distribution. Journal of the European Ceramic Society, 2010, 30, 591-598.	5.7	71
18	Grain size effect on the nonlinear dielectric properties of barium titanate ceramics. Applied Physics Letters, 2010, 97, .	3.3	98

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19	Fe₂O₃@BaTiO₃ Coreâ"Shell Particles as Reactive Precursors for the Preparation of Multifunctional Composites Containing Different Magnetic Phases. Chemistry of Materials, 2010, 22, 4740-4748.	6.7	57
20	Synthesis of Y-doped BaCeO3 nanopowders by a modified solid-state process and conductivity of dense fine-grained ceramics. Solid State Ionics, 2009, 180, 168-174.	2.7	26
21	Ferroelectric BaTiO₃ Nanowires by a Topochemical Solid-State Reaction. Chemistry of Materials, 2009, 21, 5058-5065.	6.7	67
22	Solidâ€State Synthesis of Nanocrystalline BaTiO₃: Reaction Kinetics and Powder Properties. Journal of the American Ceramic Society, 2008, 91, 2862-2869.	3.8	80
23	Morphological Control of Hydrothermal Ni(OH)2 in the Presence of Polymers and Surfactants: Nanocrystals, Mesocrystals, and Superstructures. Crystal Growth and Design, 2008, 8, 3847-3855.	3.0	34
24	Ferroelectric hollow particles obtained by solid-state reaction. Nanotechnology, 2008, 19, 225602.	2.6	25
25	Coating of BaCO3Crystals with TiO2:Â Versatile Approach to the Synthesis of BaTiO3Tetragonal Nanoparticles. Chemistry of Materials, 2007, 19, 711-718.	6.7	69
26	Preparation and characterisation of the Ba(Zr,Ti)O3 ceramics with relaxor properties. Journal of the European Ceramic Society, 2007, 27, 4061-4064.	5.7	86
27	Size and Shape Control of SrTiO3Particles Grown by Epitaxial Self-Assembly. Chemistry of Materials, 2006, 18, 1627-1633.	6.7	84
28	Synthesis of BaTiO3Coreâ"Shell Particles and Fabrication of Dielectric Ceramics with Local Graded Structure. Chemistry of Materials, 2006, 18, 4002-4010.	6.7	69
29	High dielectric constant and frozen macroscopic polarization in dense nanocrystallineBaTiO3ceramics. Physical Review B, 2006, 73, .	3.2	273
30	Preparation and characterisation of the magneto-electric xBiFeO3â€"(1â"x)BaTiO3 ceramics. Journal of the European Ceramic Society, 2006, 26, 3027-3030.	5.7	76
31	Influence of stoichiometry on the dielectric and ferroelectric properties of the tunable (Ba,Sr)TiO3 ceramics investigated by First Order Reversal Curves method. Journal of the European Ceramic Society, 2006, 26, 2915-2921.	5.7	8
32	Solid-State Synthesis of Ultrafine BaTiO3 Powders from Nanocrystalline BaCO3 and TiO2. Journal of the American Ceramic Society, 2005, 88, 2374-2379.	3.8	151
33	Kinetic Modeling of Aqueous and Hydrothermal Synthesis of Barium Titanate (BaTiO3). Chemistry of Materials, 2005, 17, 5346-5356.	6.7	80
34	Local switching properties of dense nanocrystalline BaTiO3 ceramics. Applied Physics Letters, 2004, 84, 2418-2420.	3.3	50
35	Synthesis of BaTiO₃ Particles with Tailored Size by Precipitation from Aqueous Solutions. Journal of the American Ceramic Society, 2004, 87, 79-83.	3.8	80
36	Positive Temperature Coefficient of Electrical Resistivity below 150 K in Barium Strontium Titanate. Journal of the American Ceramic Society, 2004, 87, 756-758.	3.8	6

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37	Kinetics and Mechanism of Aqueous Chemical Synthesis of BaTiO3Particles. Chemistry of Materials, 2004, 16, 1536-1543.	6.7	113
38	Ferroelectric properties of dense nanocrystalline BaTiO3ceramics. Nanotechnology, 2004, 15, 1113-1117.	2.6	140
39	Grain-size effects on the ferroelectric behavior of dense nanocrystallineBaTiO3ceramics. Physical Review B, 2004, 70, .	3.2	762
40	Incorporation of Er³⁺ into BaTiO₃. Journal of the American Ceramic Society, 2002, 85, 1569-1575.	3.8	87
41	Atomistic Simulation of Dopant Incorporation in Barium Titanate. Journal of the American Ceramic Society, 2001, 84, 376-84.	3.8	132