Lidija Mancic

List of Publications by Year
in descending order

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84 papers	1,395 citations	331670 21 h-index	395702 33 g-index
90 all docs	90 docs citations	90 times ranked	1790 citing authors

#	Article	IF	Citations
1	Y2O3:Yb,Tm and Y2O3:Yb,Ho powders for low-temperature thermometry based on up-conversion fluorescence. Ceramics International, 2013, 39, 1129-1134.	4.8	136
2	Rare-earth (Gd3+,Yb3+/Tm3+, Eu3+) co-doped hydroxyapatite as magnetic, up-conversion and down-conversion materials for multimodal imaging. Scientific Reports, 2019, 9, 16305.	3.3	74
3	YAG:Ce3+ nanostructured particles obtained via spray pyrolysis of polymeric precursor solution. Journal of the European Ceramic Society, 2010, 30, 577-582.	5.7	57
4	Microstructural characterization of mechanically activated ZnOâ€“Cr2O3 system. Journal of the European Ceramic Society, 2005, 25, 2081-2084.	5.7	47
5	Structural and Luminescence Properties of Gd[sub 2]O[sub 3]:Eu[sup 3+] and Y[sub 3]Al[sub 5]O[sub 12]:Ce[sup 3+] Phosphor Particles Synthesized via Aerosol. Journal of the Electrochemical Society, 2005, 152, G707.	2.9	46
6	The effects of the chemical composition of titanate nanotubes and solvent type on 3-aminopropyltriethoxysilane grafting efficiency. Applied Surface Science, 2014, 301, 315-322.	6.1	40
7	Morphology, Structure and Nonstoichiometry of ZnCr2O4 Nanophased Powder. Sensors, 2003, 3, 415-423.	3.8	40
8	Ultrasonic spray pyrolysis of surface modified TiO2 nanoparticles withÂdopamine. Materials Chemistry and Physics, 2013, 143, 233-239.	4.0	37
9	Thermal and mineralogical characterization of loess heavy clays for potential use in brick industry. Thermochimica Acta, 2014, 580, 38-45.	2.7	35
10	Preparation of nanostructured Znâ€“Crâ€“O spinel powders by ultrasonic spray pyrolysis. Journal of the European Ceramic Society, 2001, 21, 2051-2055.	5.7	34
11	Characterisation of YAG:Ce powders thermal treated at different temperatures. Applied Surface Science, 2004, 238, 469-474.	6.1	34
12	Thermal and mechanical properties of polyamide 11 based composites reinforced with surface modified titanate nanotubes. Materials and Design, 2015, 83, 459-467.	7.0	32
13	Aerosol route in Processing of Nanostructured Functional Materials. KONA Powder and Particle Journal, 2009, 27, 84-106.	1.7	30
14	Optimization of the production process through response surface method: Bricks made of loess. Ceramics International, 2013, 39, 3065-3075.	4.8	29
15	The effect of Sn for Ti substitution on the average and local crystal structure of BaTi_{1â^'}_xSn_xO₃ (0 â‰¤ x â‰¤ 0.20). Journal of Applied Crystallography, 2014, 47, 999-1007.	4.5	28
16	Simultaneous enhancement of natural sunlight- and artificial UV-driven photocatalytic activity of a mechanically activated ZnO/SnO₂ composite. RSC Advances, 2017, 7, 42725-42737.	3.6	28
17	Infrared reflection spectroscopy of Zn2SnO4 thin films deposited on silica substrate by radio frequency magnetron sputtering. Thin Solid Films, 2008, 516, 6293-6299.	1.8	27
18	Al2Mo3O12/polyethylene composites with reduced coefficient of thermal expansion. Journal of Materials Science, 2014, 49, 7870-7882.	3.7	26

#	ARTICLE	IF	CITATIONS
19	Multiferroic bismuth manganite prepared by mechanochemical synthesis. Journal of the European Ceramic Society, 2010, 30, 277-281.	5.7	25
20	Photoluminescent properties of nanostructured Y2O3:Eu3+ powders obtained through aerosol synthesis. Optical Materials, 2010, 32, 1606-1611.	3.6	25
21	Hydrothermal synthesis of nanostructured Y2O3 and (Y0.75Gd0.25)2O3 based phosphors. Optical Materials, 2013, 35, 1817-1823.	3.6	24
22	Surface modification of submicronic TiO2 particles prepared by ultrasonic spray pyrolysis for visible light absorption. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	22
23	Precursor Particle Size as the Key Parameter for Isothermal Tuning of Morphology from Nanofibers to Nanotubes in the Na_{2â^'x}H_xTi_nO_{2n+1} System through Hydrothermal Alkali Treatment of Rutile Mineral Sand. Crystal Growth and Design, 2009, 9, 2152-2158.	3.0	21
24	NIR photo-driven upconversion in NaYF4:Yb,Er/PLGA particles for in vitro bioimaging of cancer cells. Materials Science and Engineering C, 2018, 91, 597-605.	7.3	20
25	Structural and magnetic properties of nanocrystalline bismuth manganite obtained by mechanochemical synthesis. Journal of Nanoparticle Research, 2011, 13, 3431-3439.	1.9	19
26	Gd2O3:Eu3+ phosphor particles processed through aerosol route. Journal of the European Ceramic Society, 2005, 25, 2023-2027.	5.7	18
27	The nature of structural changes in nanocrystalline ZnO powders under linear heating conditions. Journal of the European Ceramic Society, 2004, 24, 1929-1933.	5.7	17
28	Structural, electrical and magnetic properties of nickel manganite obtained by a complex polymerization method. Ceramics International, 2014, 40, 15515-15521.	4.8	17
29	PEG and PVP assisted solvothermal synthesis of NaYF4:Yb3+/Er3+ up-conversion nanoparticles. Advanced Powder Technology, 2016, 27, 845-853.	4.1	17
30	Compositional and structural dependence of up-converting rare earth fluorides obtained through EDTA assisted hydro/solvothermal synthesis. Advanced Powder Technology, 2017, 28, 73-82.	4.1	17
31	Structural, morphological and up-converting luminescence characteristics of nanocrystalline Y2O3:Yb/Er powders obtained via spray pyrolysis. Ceramics International, 2014, 40, 3089-3095.	4.8	16
32	Application of silane grafted titanate nanotubes in reinforcing of polyamide 11 composites. Composites Part B: Engineering, 2016, 93, 153-162.	12.0	16
33	Phase evolution in Ce-doped yttriumâ€“aluminum-based particles derived from aerosol. Journal of the European Ceramic Society, 2007, 27, 4329-4332.	5.7	15
34	Up-conversion luminescence in Ho3+ and Tm3+ co-doped Y2O3:Yb3+ fine powders obtained through aerosol decomposition. Optical Materials, 2012, 35, 38-44.	3.6	15
35	Pyrosol preparation and structural characterization of SnO2 thin films. Journal of Materials Processing Technology, 2003, 143-144, 41-45.	6.3	14
36	Effect of processing parameters on structural, morphological and optical Y2O3:Yb3+/Ho3+ powders characteristics. Advanced Powder Technology, 2014, 25, 1449-1454.	4.1	14

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37	The processing of optically active functional hierarchical nanoparticles. Advanced Powder Technology, 2017, 28, 3-22.	4.1	14
38	Synthesis of Bi-based superconducting powders through the freeze drying. Materials Chemistry and Physics, 2001, 67, 288-290.	4.0	13
39	Microstructural and electrical changes in nickel manganite powder induced by mechanical activation. Materials Research Bulletin, 2011, 46, 1065-1071.	5.2	13
40	Processing of Gd2O3:Eu phosphor particles through aerosol route. Journal of Materials Processing Technology, 2003, 143-144, 501-505.	6.3	12
41	Characterization and phase transitions of (Bi,Pb)2Sr2Ca2Cu3Oxâ€“Ag composite powder obtained by spray pyrolysis. Materials Chemistry and Physics, 2005, 94, 233-240.	4.0	12
42	Synthesis of Ceriumâ€Activated Yttrium Aluminate Based Fine Phosphors by an Aerosol Route. European Journal of Inorganic Chemistry, 2012, 2012, 2716-2724.	2.0	12
43	Aerosol Synthesis of Pure and Pt-Doped ZnO Particles Using Nitrate and Pdda-Pt(IV) Complex Solutions. Journal of Materials Research, 2005, 20, 102-113.	2.6	11
44	Aerosol route as a feasible bottom-up chemical approach for up-converting phosphor particles processing. Advanced Powder Technology, 2013, 24, 852-857.	4.1	11
45	Structural investigation of mechanically activated ZnO powder. Journal of Alloys and Compounds, 2015, 648, 971-979.	5.5	11
46	Preparation of fine oxide ceramic powders by freeze drying. Annales De Chimie: Science Des Materiaux, 2001, 26, 35-41.	0.4	10
47	Nature of structural changes in LSM-YSZ nanocomposite material during thermal treatments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 615-619.	5.6	10
48	Soft chemistry routes for synthesis of rare earth oxide nanoparticles with well defined morphological and structural characteristics. Journal of Nanoparticle Research, 2011, 13, 5887-5897.	1.9	10
49	Structural, morphological and luminescence properties of nanocrystalline up-converting Y1.89Yb0.1Er0.01O3 phosphor particles synthesized through aerosol route. Journal of Alloys and Compounds, 2013, 580, 584-591.	5.5	10
50	Visible light sensitive mesoporous nanohybrids of lepidocrocite-like ferrititanate coupled to a charge transfer complex: Synthesis, characterization and photocatalytic degradation of NO. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 365, 133-144.	3.9	10
51	Rapid formation of high Tc phase in Biî—¸Pbî—¸Srî—¸Caî—¸Cuî—¸O system. Physica C: Superconductivity and Its Applications, 2000, 341-348, 503-504.	1.2	9
52	Hydrothermal synthesis of NaxFexTi2â^'xO4 from natural ilmenite sand: A CaFe2O4 structure type compound. Solid State Communications, 2008, 145, 346-350.	1.9	9
53	Structural properties of europia-doped-gadolinia synthesized through aerosol. Journal of the European Ceramic Society, 2007, 27, 4325-4328.	5.7	8
54	Naxâ^'yHyTi2â^'xFexO4Â·nH2O nanosheets with lepidocrocite-like layered structure synthesized by hydrothermal treatment of ilmenite sand. Open Chemistry, 2011, 9, 415-421.	1.9	8

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55	One-step synthesis of amino-functionalized up-converting NaYF₄:Yb,Er nanoparticles forin vitrocell imaging. RSC Advances, 2018, 8, 27429-27437.	3.6	8
56	The influence of urea on the formation process of BiPbSrCaCuO superconducting ceramics synthesized by spray pyrolysis method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 76, 127-132.	3.5	7
57	Mechanochemical synthesis of bismuth ferrite. Journal of Mining and Metallurgy, Section B: Metallurgy, 2013, 49, 27-31.	0.8	7
58	Aerosol-assisted processing of hierarchically organised TiO<SUB align="right">2 nanoparticles. International Journal of Materials and Product Technology, 2015, 50, 221.	0.2	6
59	The synthesis: Structure relationship in the ZnO-Cr2O3 system. Science of Sintering, 2004, 36, 189-196.	1.4	6
60	Aerosol processing of fine Ag:(Bi,Pb)2223 composite particles. Physica C: Superconductivity and Its Applications, 2004, 408-410, 42-43.	1.2	5
61	Plasmon enhanced luminescence in hierarchically structured Ag@ (Y0.95Eu0.05)2O3 nanocomposites synthesized by ultrasonic spray pyrolysis. Advanced Powder Technology, 2019, 30, 1409-1418.	4.1	5
62	The gadolinium effect on crystallization behavior and luminescence of Î²â€NaYF₄:Yb,Er phase. International Journal of Applied Ceramic Technology, 2020, 17, 1445-1452.	2.1	5
63	The low-temperature sonochemical synthesis of up-converting Î² NaYF4:Yb,Er mesocrystals. Advanced Powder Technology, 2022, 33, 103403.	4.1	5
64	Lepidocrocite-like ferrititanate nanosheets and their full exfoliation with quaternary ammonium compounds. Materials and Design, 2015, 85, 197-204.	7.0	4
65	Effects of different polymers and solvents on crystallization of the $$hbox {NaYF}_{4}$$:Yb/Er phase. Bulletin of Materials Science, 2020, 43, 1.	1.7	4
66	Synthesis of thin films by the pyrosol process. Hemijska Industrija, 2002, 56, 375-380.	0.7	4
67	High TC superconducting powders synthesis from aerosol. Journal of the European Ceramic Society, 2001, 21, 2765-2769.	5.7	3
68	Directed growth of nanoarchitected hybrid phosphor particles synthesized at low temperature. Advanced Powder Technology, 2014, 25, 1442-1448.	4.1	3
69	Spherical assemblies of titania nanotubes generated through aerosol processing. Ceramics International, 2015, 41, 14754-14759.	4.8	3
70	Low-temperature effects on up-conversion emission of Er3+/Yb3+-co-doped Y2O3. Physica Scripta, 2013, T157, 014054.	2.5	2
71	Up-converting nanoparticles synthesis using hydroxylâ€“carboxyl chelating agents: Fluoride source effect. Journal of Chemical Physics, 2020, 153, 084706.	3.0	2
72	Kinetics of nanocrystalline phase transformations in spray pyrolysed ZnO particles. Journal of Mining and Metallurgy, Section B: Metallurgy, 2002, 38, 179-187.	0.8	2

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73	Synthesis and characterization of the Meâ€“HTSC composite. Materials & Design, 1997, 18, 395-399.	5.1	1
74	Gd₂O₃:Eu System: Structural Study of the Influence of Luminescence Center Concentration. Materials Science Forum, 2007, 534-536, 1393-1396.	0.3	1
75	Deep insight into the photoluminescent monocrystalline particles: Heat-treatment, structure, mechanisms and mechanics. Journal of Materials Research and Technology, 2019, 8, 2466-2472.	5.8	1
76	Aerosol route in processing of nanostructured phosphor materials. Processing and Application of Ceramics, 2010, 4, 135-145.	0.8	1
77	SÃntesis y EvaluaciÃ³n de las Propiedades de NanopartÃculas de Gd₂O₃ Dopadas con Centros Luminiscentes de Eu mediante Spray Pirolisis. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 103-108.	1.9	1
78	Synthesis of Yî—¸Baî—¸Cuî—¸O ceramic using metallic Y as starting component. Thermochimica Acta, 1996, 289, 91-98.	2.7	0
79	Development of Î±-Al₂O₃ Ceramics for Bottom of Sintering Impeller Furnace. Materials Science Forum, 0, 881, 91-96.	0.3	0
80	Nanocrystalline functional materials and nanocomposites synthesis through aerosol routes. Hemijska Industrija, 2003, 57, 262-268.	0.7	0
81	Aerosol synthesis and characterization of nanostructured particles of Y3Al5O12:Ce3+ and Y2O3:Eu3+. Hemijska Industrija, 2007, 61, 101-108.	0.7	0
82	Aerosol Synthesis and Phase Development in Ce-Doped Nanophased Yttrium-Aluminum Garnet (Y₃ Al₅ 0_{I2} :Ce). Ceramic Transactions, 0, , 435-441.	0.1	0
83	Phase Evolution in Ag:(Bi,Pb)₂ Sr₂ Ca₂ Cu₃ O_x Composite Powder. Ceramic Transactions, 0, , 443-449.	0.1	0
84	Hydrothermal synthesis of optically active fluoride particles doped with rare earth ions in the presence of ethylenediaminetetra acetic acid (EDTA). Tehnika, 2016, 71, 513-518.	0.2	0