

Lidija Mancic

List of Publications by Year in descending order

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331670

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times ranked

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#	ARTICLE	IF	CITATIONS
1	The low-temperature sonochemical synthesis of up-converting $\text{NaYF}_4:\text{Yb,Er}$ mesocrystals. <i>Advanced Powder Technology</i> , 2022, 33, 103403.	4.1	5
2	The gadolinium effect on crystallization behavior and luminescence of $\text{NaYF}_4:\text{Yb,Er}$ phase. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 1445-1452.	2.1	5
3	Effects of different polymers and solvents on crystallization of the $\text{NaYF}_4:\text{Yb/Er}$ phase. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	4
4	Up-converting nanoparticles synthesis using hydroxyl-carboxyl chelating agents: Fluoride source effect. <i>Journal of Chemical Physics</i> , 2020, 153, 084706.	3.0	2
5	Rare-earth ($\text{Gd}^{3+}, \text{Yb}^{3+}/\text{Tm}^{3+}, \text{Eu}^{3+}$) co-doped hydroxyapatite as magnetic, up-conversion and down-conversion materials for multimodal imaging. <i>Scientific Reports</i> , 2019, 9, 16305.	3.3	74
6	Plasmon enhanced luminescence in hierarchically structured $\text{Ag}@(\text{Y}_0.95\text{Eu}_0.05)_2\text{O}_3$ nanocomposites synthesized by ultrasonic spray pyrolysis. <i>Advanced Powder Technology</i> , 2019, 30, 1409-1418.	4.1	5
7	Deep insight into the photoluminescent monocrystalline particles: Heat-treatment, structure, mechanisms and mechanics. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2466-2472.	5.8	1
8	One-step synthesis of amino-functionalized up-converting $\text{NaYF}_4:\text{Yb,Er}$ nanoparticles for <i>in vitro</i> cell imaging. <i>RSC Advances</i> , 2018, 8, 27429-27437.	3.6	8
9	Visible light sensitive mesoporous nanohybrids of lepidocrocite-like ferrititanate coupled to a charge transfer complex: Synthesis, characterization and photocatalytic degradation of NO. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 365, 133-144.	3.9	10
10	NIR photo-driven upconversion in $\text{NaYF}_4:\text{Yb,Er}/\text{PLGA}$ particles for <i>in vitro</i> bioimaging of cancer cells. <i>Materials Science and Engineering C</i> , 2018, 91, 597-605.	7.3	20
11	Simultaneous enhancement of natural sunlight- and artificial UV-driven photocatalytic activity of a mechanically activated ZnO/SnO_2 composite. <i>RSC Advances</i> , 2017, 7, 42725-42737.	3.6	28
12	Compositional and structural dependence of up-converting rare earth fluorides obtained through EDTA assisted hydro/solvothermal synthesis. <i>Advanced Powder Technology</i> , 2017, 28, 73-82.	4.1	17
13	The processing of optically active functional hierarchical nanoparticles. <i>Advanced Powder Technology</i> , 2017, 28, 3-22.	4.1	14
14	Application of silane grafted titanate nanotubes in reinforcing of polyamide 11 composites. <i>Composites Part B: Engineering</i> , 2016, 93, 153-162.	12.0	16
15	PEG and PVP assisted solvothermal synthesis of $\text{NaYF}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ up-conversion nanoparticles. <i>Advanced Powder Technology</i> , 2016, 27, 845-853.	4.1	17
16	Hydrothermal synthesis of optically active fluoride particles doped with rare earth ions in the presence of ethylenediaminetetra acetic acid (EDTA). <i>Tehnika</i> , 2016, 71, 513-518.	0.2	0
17	Aerosol-assisted processing of hierarchically organised TiO_2 nanoparticles. <i>International Journal of Materials and Product Technology</i> , 2015, 50, 221.	0.2	6
18	Lepidocrocite-like ferrititanate nanosheets and their full exfoliation with quaternary ammonium compounds. <i>Materials and Design</i> , 2015, 85, 197-204.	7.0	4

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19	Thermal and mechanical properties of polyamide 11 based composites reinforced with surface modified titanate nanotubes. <i>Materials and Design</i> , 2015, 83, 459-467.	7.0	32
20	Structural investigation of mechanically activated ZnO powder. <i>Journal of Alloys and Compounds</i> , 2015, 648, 971-979.	5.5	11
21	Spherical assemblies of titania nanotubes generated through aerosol processing. <i>Ceramics International</i> , 2015, 41, 14754-14759.	4.8	3
22	Thermal and mineralogical characterization of loess heavy clays for potential use in brick industry. <i>Thermochimica Acta</i> , 2014, 580, 38-45.	2.7	35
23	Structural, morphological and up-converting luminescence characteristics of nanocrystalline Y ₂ O ₃ :Yb/Er powders obtained via spray pyrolysis. <i>Ceramics International</i> , 2014, 40, 3089-3095.	4.8	16
24	Al ₂ Mo ₃ O ₁₂ /polyethylene composites with reduced coefficient of thermal expansion. <i>Journal of Materials Science</i> , 2014, 49, 7870-7882.	3.7	26
25	Structural, electrical and magnetic properties of nickel manganite obtained by a complex polymerization method. <i>Ceramics International</i> , 2014, 40, 15515-15521.	4.8	17
26	Effect of processing parameters on structural, morphological and optical Y ₂ O ₃ :Yb ³⁺ /Ho ³⁺ powders characteristics. <i>Advanced Powder Technology</i> , 2014, 25, 1449-1454.	4.1	14
27	The effects of the chemical composition of titanate nanotubes and solvent type on 3-aminopropyltriethoxysilane grafting efficiency. <i>Applied Surface Science</i> , 2014, 301, 315-322.	6.1	40
28	Directed growth of nanoarchitected hybrid phosphor particles synthesized at low temperature. <i>Advanced Powder Technology</i> , 2014, 25, 1442-1448.	4.1	3
29	The effect of Sn for Ti substitution on the average and local crystal structure of BaTi _{1-x} Sn _x O ₃ (0 ≤ x ≤ 0.20). <i>Journal of Applied Crystallography</i> , 2014, 47, 999-1007.	4.5	28
30	Structural, morphological and luminescence properties of nanocrystalline up-converting Y _{1.89} Yb _{0.1} Er _{0.01} O ₃ phosphor particles synthesized through aerosol route. <i>Journal of Alloys and Compounds</i> , 2013, 580, 584-591.	5.5	10
31	Low-temperature effects on up-conversion emission of Er ³⁺ /Yb ³⁺ -co-doped Y ₂ O ₃ . <i>Physica Scripta</i> , 2013, T157, 014054.	2.5	2
32	Optimization of the production process through response surface method: Bricks made of loess. <i>Ceramics International</i> , 2013, 39, 3065-3075.	4.8	29
33	Aerosol route as a feasible bottom-up chemical approach for up-converting phosphor particles processing. <i>Advanced Powder Technology</i> , 2013, 24, 852-857.	4.1	11
34	Y ₂ O ₃ :Yb,Tm and Y ₂ O ₃ :Yb,Ho powders for low-temperature thermometry based on up-conversion fluorescence. <i>Ceramics International</i> , 2013, 39, 1129-1134.	4.8	136
35	Ultrasonic spray pyrolysis of surface modified TiO ₂ nanoparticles with Dopamine. <i>Materials Chemistry and Physics</i> , 2013, 143, 233-239.	4.0	37
36	Hydrothermal synthesis of nanostructured Y ₂ O ₃ and (Y _{0.75} Gd _{0.25}) ₂ O ₃ based phosphors. <i>Optical Materials</i> , 2013, 35, 1817-1823.	3.6	24

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37	Mechanochemical synthesis of bismuth ferrite. Journal of Mining and Metallurgy, Section B: Metallurgy, 2013, 49, 27-31.	0.8	7
38	Surface modification of submicronic TiO ₂ particles prepared by ultrasonic spray pyrolysis for visible light absorption. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	22
39	Up-conversion luminescence in Ho ³⁺ and Tm ³⁺ co-doped Y ₂ O ₃ :Yb ³⁺ fine powders obtained through aerosol decomposition. Optical Materials, 2012, 35, 38-44.	3.6	15
40	Synthesis of Cerium-Activated Yttrium Aluminate Based Fine Phosphors by an Aerosol Route. European Journal of Inorganic Chemistry, 2012, 2012, 2716-2724.	2.0	12
41	Microstructural and electrical changes in nickel manganite powder induced by mechanical activation. Materials Research Bulletin, 2011, 46, 1065-1071.	5.2	13
42	Nax ^y HyTi ₂ ^x FexO ₄ ·nH ₂ O nanosheets with lepidocrocite-like layered structure synthesized by hydrothermal treatment of ilmenite sand. Open Chemistry, 2011, 9, 415-421.	1.9	8
43	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
44	Structural and magnetic properties of nanocrystalline bismuth manganite obtained by mechanochemical synthesis. Journal of Nanoparticle Research, 2011, 13, 3431-3439.	1.9	19
45	YAG:Ce ³⁺ nanostructured particles obtained via spray pyrolysis of polymeric precursor solution. Journal of the European Ceramic Society, 2010, 30, 577-582.	5.7	57
46	Multiferroic bismuth manganite prepared by mechanochemical synthesis. Journal of the European Ceramic Society, 2010, 30, 277-281.	5.7	25
47	Photoluminescent properties of nanostructured Y ₂ O ₃ :Eu ³⁺ powders obtained through aerosol synthesis. Optical Materials, 2010, 32, 1606-1611.	3.6	25
48	Aerosol route in processing of nanostructured phosphor materials. Processing and Application of Ceramics, 2010, 4, 135-145.	0.8	1
49	Aerosol route in Processing of Nanostructured Functional Materials. KONA Powder and Particle Journal, 2009, 27, 84-106.	1.7	30
50	Precursor Particle Size as the Key Parameter for Isothermal Tuning of Morphology from Nanofibers to Nanotubes in the Na ₂ H ₂ Ti ₂ O ₇ +1 System through Hydrothermal Alkali Treatment of Rutile Mineral Sand. Crystal Growth and Design, 2009, 9, 2152-2158.	3.0	21
51	Hydrothermal synthesis of NaxFexTi ₂ O ₄ from natural ilmenite sand: A CaFe ₂ O ₄ structure type compound. Solid State Communications, 2008, 145, 346-350.	1.9	9
52	Infrared reflection spectroscopy of Zn ₂ SnO ₄ thin films deposited on silica substrate by radio frequency magnetron sputtering. Thin Solid Films, 2008, 516, 6293-6299.	1.8	27
53	Gd ₂ O ₃ :Eu System: Structural Study of the Influence of Luminescence Center Concentration. Materials Science Forum, 2007, 534-536, 1393-1396.	0.3	1
54	Structural properties of europia-doped-gadolinia synthesized through aerosol. Journal of the European Ceramic Society, 2007, 27, 4325-4328.	5.7	8

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55	Phase evolution in Ce-doped yttrium–aluminum-based particles derived from aerosol. Journal of the European Ceramic Society, 2007, 27, 4329-4332.	5.7	15
56	Aerosol synthesis and characterization of nanostructured particles of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ and Y ₂ O ₃ :Eu ³⁺ . Hemijska Industrija, 2007, 61, 101-108.	0.7	0
57	Síntesis y Evaluación de las Propiedades de Nanopartículas de Gd ₂ O ₃ :Ce ³⁺ y Y ₂ O ₃ :Eu ³⁺ Dopadas con Centros Luminiscentes de Eu mediante Spray Pirolisis. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2006, 45, 103-108.	1.9	1
58	Microstructural characterization of mechanically activated ZnO–Cr ₂ O ₃ system. Journal of the European Ceramic Society, 2005, 25, 2081-2084.	5.7	47
59	Characterization and phase transitions of (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x –Ag composite powder obtained by spray pyrolysis. Materials Chemistry and Physics, 2005, 94, 233-240.	4.0	12
60	Gd ₂ O ₃ :Eu ³⁺ phosphor particles processed through aerosol route. Journal of the European Ceramic Society, 2005, 25, 2023-2027.	5.7	18
61	Structural and Luminescence Properties of Gd ₂ O ₃ :Eu ³⁺ and Y ₃ Al ₅ O ₁₂ :Ce ³⁺ Phosphor Particles Synthesized via Aerosol. Journal of the Electrochemical Society, 2005, 152, G707.	2.9	46
62	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
63	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
64	Aerosol processing of fine Ag:(Bi,Pb) ₂ 223 composite particles. Physica C: Superconductivity and Its Applications, 2004, 408-410, 42-43.	1.2	5
65	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
66	Characterisation of YAG:Ce powders thermal treated at different temperatures. Applied Surface Science, 2004, 238, 469-474.	6.1	34
67	The synthesis: Structure relationship in the ZnO-Cr ₂ O ₃ system. Science of Sintering, 2004, 36, 189-196.	1.4	6
68	Processing of Gd ₂ O ₃ :Eu phosphor particles through aerosol route. Journal of Materials Processing Technology, 2003, 143-144, 501-505.	6.3	12
69	Pyrosol preparation and structural characterization of SnO ₂ thin films. Journal of Materials Processing Technology, 2003, 143-144, 41-45.	6.3	14
70	Morphology, Structure and Nonstoichiometry of ZnCr ₂ O ₄ Nanophased Powder. Sensors, 2003, 3, 415-423.	3.8	40
71	Nanocrystalline functional materials and nanocomposites synthesis through aerosol routes. Hemijska Industrija, 2003, 57, 262-268.	0.7	0
72	Synthesis of thin films by the pyrosol process. Hemijska Industrija, 2002, 56, 375-380.	0.7	4

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73	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
74	Preparation of fine oxide ceramic powders by freeze drying. Annales De Chimie: Science Des Materiaux, 2001, 26, 35-41.	0.4	10
75	Preparation of nanostructured ZnO spinel powders by ultrasonic spray pyrolysis. Journal of the European Ceramic Society, 2001, 21, 2051-2055.	5.7	34
76	High TC superconducting powders synthesis from aerosol. Journal of the European Ceramic Society, 2001, 21, 2765-2769.	5.7	3
77	Synthesis of Bi-based superconducting powders through the freeze drying. Materials Chemistry and Physics, 2001, 67, 288-290.	4.0	13
78	Rapid formation of high T _c phase in Bi _{1-x} Pb _x Sr _{1-y} Ca _{1-z} Cu _{1-w} O system. Physica C: Superconductivity and Its Applications, 2000, 341-348, 503-504.	1.2	9
79	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
80	Synthesis and characterization of the Me-HTSC composite. Materials & Design, 1997, 18, 395-399.	5.1	1
81	Synthesis of Y _{1-x} Ba _x Cu _{1-y} O ceramic using metallic Y as starting component. Thermochemica Acta, 1996, 289, 91-98.	2.7	0
82	Development of (Al ₂ O ₃) ₃ ; Ceramics for Bottom of Sintering Impeller Furnace. Materials Science Forum, 0, 881, 91-96.	0.3	0
83	Aerosol Synthesis and Phase Development in Ce-Doped Nanophased Yttrium-Aluminum Garnet (Y ₃ Al ₅ O ₁₂ :Ce). Ceramic Transactions, 0, , 435-441.	0.1	0
84	Phase Evolution in Ag:(Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x Composite Powder. Ceramic Transactions, 0, , 443-449.	0.1	0