Milagrosa RamÃ-rez-del Solar

List of Publications by Year
in descending order

49 papers	767 citations	567281 15 h-index	580821 25 g-index
49 all docs	49 docs citations	49 times ranked	900 citing authors

#	Article	IF	Citations
1	Facile fabrication of Fe-TiO2 thin film and its photocatalytic activity. Environmental Science and Pollution Research, 2022, 29, 23292-23302.	5.3	11
2	Tracking the optical constants of porous vanadium dioxide thin films during metalâ€“insulator transition: Influence of processing conditions on their application in smart glasses. Applied Surface Science, 2022, 580, 152228.	6.1	12
3	Analysis of the Visual Appearance of AISI 430 Ferritic Stainless Steel Flat Sheets Manufactured by Cool Rolling and Bright Annealing. Metals, 2021, 11, 1058.	2.3	6
4	Photocatalytic degradation of pharmaceutically active compounds (PhACs) in urban wastewater treatment plants effluents under controlled and natural solar irradiation using immobilized TiO2. Solar Energy, 2020, 208, 480-492.	6.1	31
5	Glutathione-magnetite nanoparticles: synthesis and physical characterization for application as MRI contrast agent. SN Applied Sciences, 2020, 2, 1.	2.9	11
6	Insights into the annealing process of sol-gel TiO2 films leading to anatase development: The interrelationship between microstructure and optical properties. Applied Surface Science, 2018, 439, 736-748.	6.1	19
7	Engineering of III-Nitride Semiconductors on Low Temperature Co-fired Ceramics. Scientific Reports, 2018, 8, 6879.	3.3	6
8	CdTe quantum dots linked to Glutathione as a bridge for protein crosslinking. Journal of Luminescence, 2017, 187, 193-200.	3.1	12
9	Porous Thin Films from Sol-Gel. , 2017, , 157-188.		7
10	Improving Magnetooptical Faraday Effect of maghemite/silica nanocomposites. Materials Chemistry and Physics, 2015, 154, 1-9.	4.0	9
11	Green and fast synthesis of amino-functionalized graphene quantum dots with deep blue photoluminescence. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	27
12	Photocatalytic TiO2 solâ€“gel thin films: Optical and morphological characterization. Solar Energy, 2015, 122, 11-23.	6.1	57
13	Preparation and Characterization of Fluorescent CdS Quantum Dots used for the Direct Detection of GST Fusion Proteins. Nanomaterials and Nanotechnology, 2012, 2, 10.	3.0	18
14	Thermal Analysis as a First Screening Method to Evaluate Potential Contamination. Water, Air, and Soil Pollution, 2010, 208, 173-182.	2.4	9
15	Size and surface effects in the magnetic properties of maghemite and magnetite coated nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4407-4418.	3.4	30
16	Thermal Gravimetry Analysis Assessed as an Alternative Method for Characterization of Sediment Contamination. Environmental Engineering Science, 2009, 26, 279-288.	1.6	9
17	Structure modifications during thermal processing of silicon alkoxyde derived silica-iron oxide nanocomposites. Journal of Sol-Gel Science and Technology, 2009, 52, 251-259.	2.4	1
18	Implications of nanoparticle concentration and size distribution in the superparamagnetic behaviour of aging-improved maghemite xerogels. European Physical Journal D, 2009, 52, 19-22.	1.3	2

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19	Magneto-optic Faraday effect in maghemite nanoparticles/silica matrix nanocomposites prepared by the Solâ€“Gel method. Journal of Magnetism and Magnetic Materials, 2008, 320, e725-e729.	2.3	14
20	Maghemiteâ€“silica nanocomposites: solâ€“gel processing enhancement of the magneto-optical response. Nanotechnology, 2008, 19, 475706.	2.6	16
21	Relationship between nanoparticle growth and magnetic properties of magnetic nanocomposites. Journal of Non-Crystalline Solids, 2008, 354, 5213-5215.	3.1	3
22	Qualitative Estimation of Heavy Metals in Marine Sediment Using Thermal Analysis. Soil and Sediment Contamination, 2008, 17, 107-120.	1.9	14
23	Thermal Analysis in the Evaluation of Sediment Pollution. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	13
24	Î³-Fe2O3/SiO2 nanocomposites for magneto-optical applications: Nanostructural and magnetic properties. Journal of Non-Crystalline Solids, 2006, 352, 2801-2810.	3.1	43
25	Aggregation effects in non-linear absorption of CuPcâ€“SiO2 sono-xerogels. Journal of Non-Crystalline Solids, 2004, 333, 327-332.	3.1	20
26	Exploring the Properties and Optical Sensing Capability of Solâ^'Gel Materials Containing a Covalently Bonded Binucleating Cryptand. Chemistry of Materials, 2003, 15, 2025-2032.	6.7	15
27	Influence of processing induced textural effect on aggregation level in CuPc?SiO2 sonogel composites. Journal of Non-Crystalline Solids, 2003, 318, 49-55.	3.1	11
28	Reversible Binuclear Cu(II) Complex Formation in a New Sonogelâ^'Cryptand Hybrid Material. Chemistry of Materials, 2002, 14, 670-676.	6.7	7
29	Sonogels and derived materials. Applied Organometallic Chemistry, 1999, 13, 399-418.	3.5	91
30	Structure of CdS/SiO2 Nanocomposites: Influence of the Precursor and Cd Concentration. Journal of Sol-Gel Science and Technology, 1998, 11, 217-227.	2.4	3
31	Microstructural and Mechanical Properties of Sono-Ormosils. Journal of Sol-Gel Science and Technology, 1998, 13, 451-455.	2.4	4
32	Dispersion of the nonlinear absorption of copper phthalocyanine in a silica xerogel matrix through the visible spectrum. Journal of Applied Physics, 1998, 83, 3441-3443.	2.5	14
33	Influence of the microstructure on the macroscopic elastic and optical properties of dried sonogels: A Brillouin spectroscopic study. Journal of Applied Physics, 1997, 81, 7739-7745.	2.5	28
34	Nonlinear self-defocusing in doped silica sono-gels. Journal of Applied Physics, 1997, 81, 7728-7733.	2.5	13
35	Short-range order of titania doped silica sono-aerogel. Journal of Non-Crystalline Solids, 1997, 220, 45-51.	3.1	10
36	Confinement of CdS nanocrystals in a sonogel matrix. Journal of Sol-Gel Science and Technology, 1997, 8, 275-283.	2.4	9

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37	Trapping copper phthalocyanine in a silica sono-xerogel. Journal of Sol-Gel Science and Technology, 1997, 8, 985-990.	2.4	15
38	THG from copper phthalocyanines in a solâ€"gel host. Synthetic Metals, 1996, 83, 273-276.	3.9	11
39	Brillouin spectroscopy on dried sonogels. Applied Physics Letters, 1996, 69, 3827-3829.	3.3	6
40	CdS nanocrystals embedded in silica sonogel. Scripta Materialia, 1995, 5, 363-372.	0.5	6
41	Ultrasound-processed silica xerogels behavior during heating. Materials Letters, 1995, 22, 265-270.	2.6	3
42	CdS-silica xerogel nanocomposites: Processing-induced textural changes. Journal of Materials Research, 1994, 9, 2873-2877.	2.6	8
43	CdS semiconductor nanoparticles in silica sonogel matrices. Journal of Sol-Gel Science and Technology, 1994, 2, 689-694.	2.4	10
44	Ultrastructural evolution during sintering of mixed sonogels. Journal of Sol-Gel Science and Technology, 1994, 3, 41-46.	2.4	6
45	Ultrasound as a tool for the preparation of gels: effect on the textural properties of TiO2-SiO2 aerogels. Journal of Materials Science, 1993, 28, 2191-2195.	3.7	16
46	Ultrastructural evolution during gelation of TiO2-SiO2 sols. Journal of Non-Crystalline Solids, 1992, 147-148, 206-212.	3.1	13
47	SAXS study of growth kinetics of fractal aggregates in TEOS-water-alcohol solutions with formamide. Journal of Non-Crystalline Solids, 1992, 147-148, 238-244.	3.1	10
48	Kinetic study of gelation of solventless alkoxide-water mixtures. Journal of Non-Crystalline Solids, 1990, 121, 40-44.	3.1	30
49	Effect of the method of preparation on the texture of TiO2î—¸SiO2 gels. Journal of Non-Crystalline Solids, 1990, 121, 84-89.	3.1	28