

Marie-Josã© Casanove

List of Publications by Year in descending order

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47
papers

2,284
citations

331670

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233421

45
g-index

48
all docs

48
docs citations

48
times ranked

2804
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Magnetic Properties of Nickel Nanorods. Nano Letters, 2001, 1, 565-568.	9.1	515
2	Ligand-Stabilized Ruthenium Nanoparticles:Â Synthesis, Organization, and Dynamics. Journal of the American Chemical Society, 2001, 123, 7584-7593.	13.7	336
3	Shape Control of Thermodynamically Stable Cobalt Nanorods through Organometallic Chemistry. Angewandte Chemie - International Edition, 2002, 41, 4286-4289.	13.8	335
4	Synthesis and Isolation of Cuboctahedral and Icosahedral Platinum Nanoparticles. Ligand-Dependent Structures. Chemistry of Materials, 1996, 8, 1978-1986.	6.7	148
5	A New Synthetic Method toward Bimetallic Ruthenium Platinum Nanoparticles; Composition Induced Structural Changes. Journal of Physical Chemistry B, 1999, 103, 10098-10101.	2.6	125
6	Quantitative analysis of HOLZ line splitting in CBED patterns of epitaxially strained layers. Ultramicroscopy, 2006, 106, 951-959.	1.9	81
7	Precursor Evolution and Nucleation Mechanism of YBa ₂ Cu ₃ O _x Films by TFA Metalâ~Organic Decomposition. Chemistry of Materials, 2006, 18, 6211-6219.	6.7	58
8	Fully Crystalline Faceted Feâ€Au Coreâ€Shell Nanoparticles. Nano Letters, 2015, 15, 5075-5080.	9.1	55
9	Structure and chemical order in Coâ€Rh nanoparticles. Europhysics Letters, 2006, 73, 885-891.	2.0	44
10	Magnetic nanoparticles through organometallic synthesis: evolution of the magnetic properties from isolated nanoparticles to organised nanostructures. Faraday Discussions, 2004, 125, 265.	3.2	38
11	Inhomogeneous spatial distribution of the magnetic transition in an iron-rhodium thin film. Nature Communications, 2017, 8, 15703.	12.8	37
12	Segregation at a small scale: synthesis of coreâ€shell bimetallic RuPt nanoparticles, characterization and solid state NMR studies. Journal of Materials Chemistry, 2012, 22, 3578.	6.7	34
13	Spontaneous Outcropping of Selfâ€Assembled Insulating Nanodots in Solutionâ€Derived Metallic Ferromagnetic La _{0.7} Sr _{0.3} MnO ₃ Films. Advanced Functional Materials, 2009, 19, 2139-2146.	14.9	33
14	Structural and electronic properties of the Au(001)/Fe(001) interface from density functional theory calculations. Physical Review B, 2012, 86, .	3.2	32
15	Determination of precipitate strength in aluminium alloy 6056-T6 from transmission electron microscopy<i>in situ</i> straining data. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 921-931.	0.6	31
16	Growth and relaxation mechanisms in La _{0.66} Sr _{0.33} MnO ₃ manganites deposited on SrTiO ₃ (0 0 1) and MgO(0 0 1). Applied Surface Science, 2002, 188, 19-23.	6.1	30
17	Interaction between solution derived BaZrO ₃ nanodot interfacial templates and YBa ₂ Cu ₃ O ₇ films leading to enhanced critical currents. Acta Materialia, 2011, 59, 2075-2082.	7.9	30
18	Towards MRI T2 contrast agents of increased efficiency. Journal of Magnetism and Magnetic Materials, 2015, 377, 348-353.	2.3	28

#	ARTICLE	IF	CITATIONS
19	Straining mechanisms in aluminium alloy 6056. In-situ investigation by transmission electron microscopy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 340, 286-291.	5.6	27
20	Magnetic properties of Co _N Rh _M nanoparticles: experiment and theory. <i>Faraday Discussions</i> , 2008, 138, 181-192.	3.2	24
21	Structural, magnetic, transport, and magneto-optical properties of single crystal La ₂ /3Sr ₁ /3MnO ₃ thin films. <i>Journal of Applied Physics</i> , 2000, 87, 6773-6775.	2.5	22
22	The gold/ampicillin interface at the atomic scale. <i>Nanoscale</i> , 2015, 7, 14515-14524.	5.6	20
23	Epitaxial growth of magnetic Au/Co/Au sandwiches studied by TEM. <i>Journal of Crystal Growth</i> , 1997, 182, 394-402.	1.5	18
24	New approach for the dynamical simulation of CBED patterns in heavily strained specimens. <i>Ultramicroscopy</i> , 2008, 108, 426-432.	1.9	17
25	Chemical Solution Approaches to YBa ₂ Cu ₃ O ₇ -Au Nanocomposite Superconducting Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3245-3255.	0.9	16
26	Noble Metal Nanocluster Formation in Epitaxial Perovskite Thin Films. <i>ACS Omega</i> , 2018, 3, 2169-2173.	3.5	15
27	How interface properties control the equilibrium shape of core-shell Fe ²⁺ Au and Fe ²⁺ Ag nanoparticles. <i>Nanoscale</i> , 2020, 12, 18079-18090.	5.6	15
28	On the Use of Amine-Borane Complexes To Synthesize Iron Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 6021-6026.	3.3	10
29	Strain effects on the structural, magnetic, and thermodynamic properties of the Au(001)/Fe(001) interface from first principles. <i>Physical Review B</i> , 2014, 90, .	3.2	10
30	Evidence of a minority monoclinic LaNiO _{2.5} phase in lanthanum nickelate thin films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9137-9142.	2.8	10
31	Influence of a compositional gradient in the structure and magnetic behavior of strained FeMn ultrathin layers. <i>Physical Review B</i> , 1998, 58, 14135-14138.	3.2	9
32	Formation of Bimetallic FeBi Nanostructured Particles: Investigation of a Complex Growth Mechanism. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1477-1484.	3.1	9
33	Study of the role of the ligands coordinated at the surface of pure W _{1/4} stite nanoparticles prepared following a room temperature organometallic method: Evidence of ferromagnetic ⁺ in shell- and antiferromagnetic ⁻ in core magnetic behaviors. <i>Materials Chemistry and Physics</i> , 2011, 129, 605-610.	4.0	8
34	Magnetism and morphology in faceted B2-ordered FeRh nanoparticles. <i>Europhysics Letters</i> , 2016, 116, 27006.	2.0	8
35	Role of the shell thickness in the core transformation of magnetic core(Fe)-shell(Au) nanoparticles. <i>Physical Review Materials</i> , 2019, 3, .	2.4	8
36	Effect of sample bending on diffracted intensities observed in CBED patterns of plan view strained samples. <i>Ultramicroscopy</i> , 2008, 108, 295-301.	1.9	7

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37	Strain induced atomic structure at the Ir-doped $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28676-28683.	2.8	7
38	Equilibrium shape of core(Fe)–shell(Au) nanoparticles as a function of the metals volume ratio. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	7
39	Epitaxial Growth of a Gold Shell on Intermetallic FeRh Nanocrystals. <i>Crystal Growth and Design</i> , 2020, 20, 4144-4149.	3.0	7
40	Ferroelastic behaviour of the $(\text{Ln})\text{Ba}_2\text{Cu}_3\text{O}_{6+x}$ orthorhombic phase. <i>Ferroelectrics</i> , 1989, 97, 181-186.	0.6	4
41	Sputter growth and magnetic properties of exchange-biased $\text{La}_{1/4}\text{Ca}_{3/4}\text{MnO}_3$ – $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ epitaxial bilayers. <i>Journal of Applied Physics</i> , 2002, 91, 7730.	2.5	4
42	Development of Bi-Metallic Fe–Bi Nanocomposites: Synthesis and Characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8640-8646.	0.9	4
43	Visualising alloy fluctuations by spherical-aberration–corrected HRTEM. <i>Europhysics Letters</i> , 2010, 91, 36001.	2.0	2
44	Synthesis and Self-Assembly of Monodisperse Indium Nanoparticles Prepared from the Organometallic Precursor. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 448-451.	13.8	2
45	Self-organization mechanisms in a Fe-Au film: from isolated core-shell to multicore nanoparticles. <i>EPJ Applied Physics</i> , 0, , .	0.7	2
46	Composition-structure correlations in strained $\text{Fe}_x\text{Mn}_{1-x}/\text{Ir}$ superlattices. <i>Journal of Applied Physics</i> , 2000, 88, 4605.	2.5	0
47	Microstructural Features of a-Axis Oriented $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}/\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ junctions Studied by Transmission Electron Microscopy. <i>Microscopy Microanalysis Microstructures</i> , 1996, 7, 255-264.	0.4	0