

Edvige Celasco

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,320
citations

361413

20
h-index

377865

34
g-index

208
all docs

208
docs citations

208
times ranked

2240
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Annealing on T_c and Structure of Titanium Thin Films. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	4
2	2D Ni Nanoclusters on Ultrathin MgO/Ag(100). Journal of Physical Chemistry C, 2020, 124, 482-488.	3.1	1
3	Chemisorption of CO on N-doped graphene on Ni(111). Applied Surface Science, 2018, 428, 775-780.	6.1	18
4	Overcoming the Limits of Flash Nanoprecipitation: Effective Loading of Hydrophilic Drug into Polymeric Nanoparticles with Controlled Structure. Polymers, 2018, 10, 1092.	4.5	41
5	Influence of growing conditions on the reactivity of Ni supported graphene towards CO. Journal of Chemical Physics, 2017, 146, 104704.	3.0	14
6	On-surface synthesis of different boron-nitrogen-carbon heterostructures from dimethylamine borane. Carbon, 2017, 120, 185-193.	10.3	11
7	Comment on "Adsorption of hydrogen and hydrocarbon molecules on SiC(001)" by Pollmann et al. (Surf. Sci. Rep. 69 (2014) 55-104). Surface Science, 2016, 644, L170-L171.	1.9	1
8	CO chemisorption at vacancies of supported graphene films: a candidate for a sensor?. Physical Chemistry Chemical Physics, 2016, 18, 18692-18696.	2.8	15
9	Enhanced Chemical Reactivity of Pristine Graphene Interacting Strongly with a Substrate: Chemisorbed Carbon Monoxide on Graphene/Nickel(1%). ChemCatChem, 2015, 7, 2328-2331.	3.7	36
10	Oxidation behavior of ZrB ₂ /SiC laminates: Effect of composition on microstructure and mechanical strength. Journal of the European Ceramic Society, 2015, 35, 1699-1714.	5.7	23
11	In Situ Reduction of Graphene Oxide in an Epoxy Resin Thermally Cured with Amine. Macromolecular Materials and Engineering, 2014, 299, 757-763.	3.6	13
12	How Growing Conditions and Interfacial Oxygen Affect the Final Morphology of MgO/Ag(100) Films. Journal of Physical Chemistry C, 2014, 118, 26091-26102.	3.1	31
13	The behaviour of an old catalyst revisited in a wet environment: Co ions in APO-5 split water under mild conditions. Physical Chemistry Chemical Physics, 2014, 16, 7074-7082.	2.8	7
14	Optimization of 1D ZnO@TiO ₂ Core-Shell Nanostructures for Enhanced Photoelectrochemical Water Splitting under Solar Light Illumination. ACS Applied Materials & Interfaces, 2014, 6, 12153-12167.	8.0	190
15	Dynamic Light Scattering and X-ray Photoelectron Spectroscopy Characterization of PEGylated Polymer Nanocarriers: Internal Structure and Surface Properties. Langmuir, 2014, 30, 8326-8335.	3.5	9
16	Morphology of Monolayer MgO Films on Ag(100): Switching from Corrugated Islands to Extended Flat Terraces. Physical Review Letters, 2014, 112, 126102.	7.8	60
17	From Vanadia Nanoclusters to Ultrathin Films on TiO ₂ (110): Evolution of the Yield and Selectivity in the Ethanol Oxidation Reaction. ACS Catalysis, 2014, 4, 3715-3723.	11.2	23
18	A powerful tool for graphene functionalization: Benzophenone mediated UV-grafting. Carbon, 2014, 77, 226-235.	10.3	41

#	ARTICLE	IF	CITATIONS
19	Luminescence variation by rigidity control of acrylic composite materials. Journal of Materials Chemistry C, 2013, 1, 5725.	5.5	22
20	Modification and characterization of carbon black with mercaptopropyltrimethoxysilane. Applied Surface Science, 2013, 286, 142-148.	6.1	47
21	Inkjet printed acrylic formulations based on UV-reduced graphene oxide nanocomposites. Journal of Materials Science, 2013, 48, 1249-1255.	3.7	69
22	Length-Dependent Charge Generation from Vertical Arrays of High-Aspect-Ratio ZnO Nanowires. Chemistry - A European Journal, 2013, 19, 14665-14674.	3.3	70
23	Hydrogen-induced nanotunnel opening within semiconductor subsurface. Nature Communications, 2013, 4, .	12.8	10
24	Physico-Chemical Properties of Imogolite Nanotubes Functionalized on Both External and Internal Surfaces. Journal of Physical Chemistry C, 2012, 116, 7499-7506.	3.1	42
25	Nanoprecipitation in confined impinging jets mixers: Production, characterization and scale-up of pegylated nanospheres and nanocapsules for pharmaceutical use. Chemical Engineering Science, 2012, 77, 217-227.	3.8	59
26	Self passivating behavior of multilayer SiC under simulated atmospheric re-entry conditions. Journal of the European Ceramic Society, 2012, 32, 4435-4445.	5.7	8
27	Surface functionalization by poly-acrylic acid plasma-polymerized films for microarray DNA diagnostics. Surface and Coatings Technology, 2012, 207, 389-399.	4.8	31
28	Synthesis and characterization of pure and Co-doped gallium nitride nanocrystals. Applied Nanoscience (Switzerland), 2012, 2, 169-176.	3.1	8
29	Corrosion Behavior of SiC Laminate Under Decomposed Sulfuric Acid at 850°C . Journal of the American Ceramic Society, 2012, 95, 2627-2634.	3.8	6
30	Luminescence thermochromism of acrylic materials incorporating copper iodide clusters. Journal of Materials Chemistry, 2011, 21, 19106.	6.7	30
31	Poly(ethylene glycol)-Coated Magnetite Nanoparticles: Preparation and Characterization. Macromolecular Chemistry and Physics, 2011, 212, 411-416.	2.2	5
32	Hybrid Coatings Containing Silver Nanoparticles Generated In situ in a Thiol-Ene Photocurable System. Macromolecular Materials and Engineering, 2011, 296, 921-928.	3.6	13
33	Photochemical synthesis of gold-polyethyleneglycol core-shell nanoparticles. European Polymer Journal, 2011, 47, 1250-1255.	5.4	18
34	Morphology and magnetic properties of sputtered $\text{Co}_{80}\text{Cr}_{20}$ thin film antidot patterns obtained by Electron Beam Lithography. Journal of Physics: Conference Series, 2010, 200, 072034.	0.4	0
35	Magnetoresistance anisotropy in a hexagonal lattice of Co antidots obtained by thermal evaporation. Journal of Magnetism and Magnetic Materials, 2010, 322, 1409-1412.	2.3	12
36	Study on the excimer laser annealed amorphous hydrogenated silicon carbon films deposited by PECVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 770-773.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Amorphous silicon and silicon nitride channel optical waveguides. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 836-839.	0.8	1
38	Correlated avalanches in transition edge sensor noise power spectra. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01043.	2.3	3
39	A Study of the Excess Noise of Ir Transition Edge Sensors in the Frame of Statistical Models. IEEE Transactions on Applied Superconductivity, 2009, 19, 445-450.	1.7	2
40	Excess Noise in Transition Edge Sensors. , 2009, , .		0
41	Enhanced imaging of magnetic structures in micropatterned arrays of Co dots and antidots. Journal of Magnetism and Magnetic Materials, 2008, 320, e669-e673.	2.3	16
42	A phenomenological explanation of TES excess noise. Proceedings of SPIE, 2008, , .	0.8	0
43	AVALANCHE CORRELATION IN POWER SPECTRA WITH WIDE PEAKS. Fluctuation and Noise Letters, 2007, 07, L351-L366.	1.5	3
44	Crackling noise peaks as signature of avalanche correlation. Journal of Applied Physics, 2007, 101, 054908.	2.5	5
45	Avalanche correlation in power spectra. , 2007, , .		0
46	Synthesis, characterization and modelling of silicon based opals. Journal of Non-Crystalline Solids, 2006, 352, 1425-1429.	3.1	26
47	Growth, morphological and structural characterization of silicon carbide epilayers for power electronic devices applications. Crystal Research and Technology, 2005, 40, 964-966.	1.3	0
48	Study of dendritic avalanches by current noise measurements in High Tc Superconductors. AIP Conference Proceedings, 2005, , .	0.4	2
49	Vortex avalanche phenomena in MgB2 superconducting film studied by current noise measurements. Applied Physics Letters, 2005, 86, 022504.	3.3	12
50	Enhanced Reactivity at Metal-Oxide Interface: Water Interaction with MgO Ultrathin Films. Journal of Physical Chemistry B, 2004, 108, 7771-7778.	2.6	40
51	Enhanced hydrolysis at monolayer MgO films. Journal of Chemical Physics, 2003, 119, 12053-12056.	3.0	27
52	MgO/Ag(100): Confined vibrational modes in the limit of ultrathin films. Physical Review B, 2003, 67, .	3.2	41