

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	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
2	Length-Dependent Charge Generation from Vertical Arrays of High-Aspect-Ratio ZnO Nanowires. Chemistry - A European Journal, 2013, 19, 14665-14674.	3.3	70
3	Inkjet printed acrylic formulations based on UV-reduced graphene oxide nanocomposites. Journal of Materials Science, 2013, 48, 1249-1255.	3.7	69
4	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
5	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
6	Modification and characterization of carbon black with mercaptopropyltrimethoxysilane. Applied Surface Science, 2013, 286, 142-148.	6.1	47
7	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
8	MgO/Ag(100): Confined vibrational modes in the limit of ultrathin films. Physical Review B, 2003, 67, .	3.2	41
9	A powerful tool for graphene functionalization: Benzophenone mediated UV-grafting. Carbon, 2014, 77, 226-235.	10.3	41
10	Overcoming the Limits of Flash Nanoprecipitation: Effective Loading of Hydrophilic Drug into Polymeric Nanoparticles with Controlled Structure. Polymers, 2018, 10, 1092.	4.5	41
11	Enhanced Reactivity at Metal-Oxide Interface: Water Interaction with MgO Ultrathin Films. Journal of Physical Chemistry B, 2004, 108, 7771-7778.	2.6	40
12	Enhanced Chemical Reactivity of Pristine Graphene Interacting Strongly with a Substrate: Chemisorbed Carbon Monoxide on Graphene/Nickel(1%1%). ChemCatChem, 2015, 7, 2328-2331.	3.7	36
13	Surface functionalization by poly-acrylic acid plasma-polymerized films for microarray DNA diagnostics. Surface and Coatings Technology, 2012, 207, 389-399.	4.8	31
14	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
15	Luminescence thermochromism of acrylic materials incorporating copper iodide clusters. Journal of Materials Chemistry, 2011, 21, 19106.	6.7	30
16	Enhanced hydrolysis at monolayer MgO films. Journal of Chemical Physics, 2003, 119, 12053-12056.	3.0	27
17	Synthesis, characterization and modelling of silicon based opals. Journal of Non-Crystalline Solids, 2006, 352, 1425-1429.	3.1	26
18	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

#	ARTICLE	IF	CITATIONS
19	Oxidation behavior of ZrB ₂ /SiC laminates: Effect of composition on microstructure and mechanical strength. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1699-1714.	5.7	23
20	Luminescence variation by rigidity control of acrylic composite materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5725.	5.5	22
21	Photochemical synthesis of gold@polyethyleneglycol core-shell nanoparticles. <i>European Polymer Journal</i> , 2011, 47, 1250-1255.	5.4	18
22	Chemisorption of CO on N-doped graphene on Ni(111). <i>Applied Surface Science</i> , 2018, 428, 775-780.	6.1	18
23	Enhanced imaging of magnetic structures in micropatterned arrays of Co dots and antidots. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e669-e673.	2.3	16
24	CO chemisorption at vacancies of supported graphene films: a candidate for a sensor?. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18692-18696.	2.8	15
25	Influence of growing conditions on the reactivity of Ni supported graphene towards CO. <i>Journal of Chemical Physics</i> , 2017, 146, 104704.	3.0	14
26	Hybrid Coatings Containing Silver Nanoparticles Generated In situ in a Thiolene Photocurable System. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 921-928.	3.6	13
27	In Situ Reduction of Graphene Oxide in an Epoxy Resin Thermally Cured with Amine. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 757-763.	3.6	13
28	Vortex avalanche phenomena in MgB ₂ superconducting film studied by current noise measurements. <i>Applied Physics Letters</i> , 2005, 86, 022504.	3.3	12
29	Magnetoresistance anisotropy in a hexagonal lattice of Co antidots obtained by thermal evaporation. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1409-1412.	2.3	12
30	On-surface synthesis of different boron-nitrogen-carbon heterostructures from dimethylamine borane. <i>Carbon</i> , 2017, 120, 185-193.	10.3	11
31	Hydrogen-induced nanotunnel opening within semiconductor subsurface. <i>Nature Communications</i> , 2013, 4, .	12.8	10
32	Dynamic Light Scattering and X-ray Photoelectron Spectroscopy Characterization of PEGylated Polymer Nanocarriers: Internal Structure and Surface Properties. <i>Langmuir</i> , 2014, 30, 8326-8335.	3.5	9
33	Self passivating behavior of multilayer SiC under simulated atmospheric re-entry conditions. <i>Journal of the European Ceramic Society</i> , 2012, 32, 4435-4445.	5.7	8
34	Synthesis and characterization of pure and Co-doped gallium nitride nanocrystals. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 169-176.	3.1	8
35	The behaviour of an old catalyst revisited in a wet environment: Co ions in APO-5 split water under mild conditions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7074-7082.	2.8	7
36	Corrosion Behavior of SiC Laminate Under Decomposed Sulfuric Acid at 850°C. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2627-2634.	3.8	6

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37	Crackling noise peaks as signature of avalanche correlation. Journal of Applied Physics, 2007, 101, 054908.	2.5	5
38	Poly(ethylene glycol)-Coated Magnetite Nanoparticles: Preparation and Characterization. Macromolecular Chemistry and Physics, 2011, 212, 411-416.	2.2	5
39	Impact of Annealing on T_C and Structure of Titanium Thin Films. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	4
40	AVALANCHE CORRELATION IN POWER SPECTRA WITH WIDE PEAKS. Fluctuation and Noise Letters, 2007, 07, L351-L366.	1.5	3
41	Correlated avalanches in transition edge sensor noise power spectra. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01043.	2.3	3
42	Study of dendritic avalanches by current noise measurements in High Tc Superconductors. AIP Conference Proceedings, 2005, , .	0.4	2
43	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
44	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
45	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
46	2D Ni Nanoclusters on Ultrathin MgO/Ag(100). Journal of Physical Chemistry C, 2020, 124, 482-488.	3.1	1
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	Avalanche correlation in power spectra. , 2007, , .		0
49	A phenomenological explanation of TES excess noise. Proceedings of SPIE, 2008, , .	0.8	0
50	Excess Noise in Transition Edge Sensors. , 2009, , .		0
51	Morphology and magnetic properties of sputtered Co ₈₀ Cr ₂₀ thin film antidot patterns obtained by Electron Beam Lithography. Journal of Physics: Conference Series, 2010, 200, 072034.	0.4	0
52	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