Paola Luches

List of Publications by Citations

30 papers	534 citations	14 h-index	22 g-index
33 ext. papers	652 ext. citations	4.4 avg, IF	3.56 L-index

#	Paper	IF	Citations
30	Evidence of catalase mimetic activity in Ce(3+)/Ce(4+) doped bioactive glasses. *Journal of Physical Chemistry B*, **2015**, 119, 4009-19	3.4	89
29	Nature of Ag Islands and Nanoparticles on the CeO2(111) Surface. *Journal of Physical Chemistry C*, **2012**, 116, 1122-1132	3.8	77
28	Structural and morphological modifications of thermally reduced cerium oxide ultrathin epitaxial films on Pt(111). *Physical Chemistry Chemical Physics*, **2014**, 16, 18848-57	3.6	35
27	The effect of composition on structural, thermal, redox and bioactive properties of Ce-containing glasses. *Materials and Design*, **2016**, 97, 73-85	8.1	33
26	Cerium-doped bioactive 45S5 glasses: spectroscopic, redox, bioactivity and biocatalytic properties. *Journal of Materials Science*, **2017**, 52, 8845-8857	4.3	31
25	X-ray Photoemission Study of the Charge State of Au Nanoparticles on Thin MgO/Fe(001) Films. *Journal of Physical Chemistry C*, **2009**, 113, 19957-19965	3.8	26
24	Structure and Morphology of Silver Nanoparticles on the (111) Surface of Cerium Oxide. *Journal of Physical Chemistry C*, **2015**, 119, 6024-6032	3.8	25
23	Atomic Scale Structure and Reduction of Cerium Oxide at the Interface with Platinum. *Advanced Materials Interfaces*, **2015**, 2, 1500375	4.6	21
22	Tunability of exchange bias in Ni@NiO core-shell nanoparticles obtained by sequential layer deposition. *Nanotechnology*, **2015**, 26, 405704	3.4	20
21	Structure, Morphology and Reducibility of Epitaxial Cerium Oxide Ultrathin Films and Nanostructures. *Materials*, **2015**, 8, 5818-5833	3.5	19
20	Highly efficient plasmon-mediated electron injection into cerium oxide from embedded silver nanoparticles. *Nanoscale*, **2019**, 11, 10282-10291	7.7	18
19	Electronic properties of epitaxial cerium oxide films during controlled reduction and oxidation studied by resonant inelastic X-ray scattering. *Physical Chemistry Chemical Physics*, **2016**, 18, 20511-7	3.6	18
18	Metal Adatoms and Clusters on Ultrathin Zirconia Films. *Journal of Physical Chemistry C*, **2016**, 120, 9920-9932	3.8	16
17	Influence of defect distribution on the reducibility of CeO2-x nanoparticles. *Nanotechnology*, **2016**, 27, 425705	3.4	14
16	Structure of active cerium sites within bioactive glasses. *Journal of the American Ceramic Society*, **2017**, 100, 5086-5095	3.8	12
15	Morphology, structural properties and reducibility of size-selected CeO2- x nanoparticle films. *Beilstein Journal of Nanotechnology*, **2015**, 6, 60-7	3	11
14	Mesoporous bioactive glasses doped with cerium: Investigation over enzymatic-like mimetic activities and bioactivity. *Ceramics International*, **2019**, 45, 20910-20920	5.1	10

List of Publications

13	Stability of Ultrathin Ceria Films on Pt(111) Exposed to Air and Treated in Redox Cycles. *Journal of Physical Chemistry C*, **2018**, 122, 25954-25963	3.8	10
12	Ultrafast Formation of Small Polarons and the Optical Gap in CeO. *Journal of Physical Chemistry Letters*, **2020**, 11, 5686-5691	6.4	9
11	Contraction, cation oxidation state and size effects in cerium oxide nanoparticles. *Nanotechnology*, **2017**, 28, 495702	3.4	7
10	Dynamics of the Interaction Between Ceria and Platinum During Redox Processes. *Frontiers in Chemistry*, **2019**, 7, 57	5	6
9	Optical and electronic properties of silver nanoparticles embedded in cerium oxide. *Journal of Chemical Physics*, **2020**, 152, 114704	3.9	5
8	Growth and morphology of Te films on Mo. *Thin Solid Films*, **1999**, 352, 114-118	2.2	5
7	Ultrafast Dynamics of Plasmon-Mediated Charge Transfer in Ag@CeO Studied by Free Electron Laser Time-Resolved X-ray Absorption Spectroscopy. *Nano Letters*, **2021**, 21, 1729-1734	11.5	5
6	Cerium Oxide Epitaxial Nanostructures on Pt(111): Growth, Morphology and Structure. *Topics in Catalysis*, **2017**, 60, 513-521	2.3	4
5	Reducibility of Ag- and Cu-Modified Ultrathin Epitaxial Cerium Oxide Films. *Journal of Physical Chemistry C*, **2019**, 123, 13702-13711	3.8	3
4	Role of cerium oxide in bioactive glasses during catalytic dissociation of hydrogen peroxide. *Physical Chemistry Chemical Physics*, **2018**, 20, 23507-23514	3.6	2
3	OBP-functionalized/hybrid superparamagnetic nanoparticles for treatment.. *RSC Advances*, **2021**, 11, 11256-11265	3.7	2
2	Surface Reactivity of Ag-Modified Ceria to Hydrogen: A Combined Experimental and Theoretical Investigation. *ACS Applied Materials & Interfaces*, **2020**, 12, 27682-27690	9.5	1
1	Structure of Reduced Cerium Oxide Ultrathin Films on Pt(111): Local Atomic Environment and Long-Range Order. *Advanced Materials Interfaces*, **2020**, 7, 2000737	4.6	