Liviu Cristian Tanase

List of Publications by Year
in descending order

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38 papers	615 citations	623734 14 h-index	642732 23 g-index
38 all docs	38 docs citations	38 times ranked	1018 citing authors

#	Article	IF	Citations
1	Oxygenophilic ionic liquids promote the oxygen reduction reaction in Pt-free carbon electrocatalysts. Materials Horizons, 2017, 4, 895-899.	12.2	56
2	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. Materials Horizons, 2018, 5, 423-428.	12.2	55
3	Deoxygenation of oleic acid: Influence of the synthesis route of Pd/mesoporous carbon nanocatalysts onto their activity and selectivity. Applied Catalysis A: General, 2015, 504, 81-91.	4.3	46
4	Polarization Orientation in Lead Zirconate Titanate (001) Thin Films Driven by the Interface with the Substrate. Physical Review Applied, 2018, 10, .	3.8	35
5	Manipulating the Optical Properties of Carbon Dots by Fineâ€Tuning their Structural Features. ChemSusChem, 2019, 12, 4432-4441.	6.8	33
6	Band bending in Au/Pb(Zr,Ti)O 3 investigated by X-ray photoelectron spectroscopy: Dependence on the initial state of the film. Thin Solid Films, 2013, 545, 13-21.	1.8	32
7	Sustainable metal-free carbogels as oxygen reduction electrocatalysts. Journal of Materials Chemistry A, 2017, 5, 16336-16343.	10.3	31
8	The impact of having an oxygen-rich microporous surface in carbon electrodes for high-power aqueous supercapacitors. Journal of Energy Chemistry, 2021, 53, 36-48.	12.9	24
9	Ferroelectric triggering of carbon monoxide adsorption on lead zirco-titanate (001) surfaces. Scientific Reports, 2016, 6, 35301.	3.3	23
10	Interaction of New-Developed TiO2-Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts. International Journal of Molecular Sciences, 2017, 18, 249.	4.1	23
11	Insights into Reaction Kinetics in Confined Space: Real Time Observation of Water Formation under a Silica Cover. Journal of the American Chemical Society, 2021, 143, 8780-8790.	13.7	22
12	Structural evolution of carbon dots during low temperature pyrolysis. Nanoscale, 2022, 14, 910-918.	5.6	21
13	Band bending at copper and gold interfaces with ferroelectric Pb(Zr,Ti)O3 investigated by photoelectron spectroscopy. Applied Surface Science, 2015, 354, 459-468.	6.1	19
14	Structural, magnetic and magnetocaloric effects in epitaxial La_{0.67}Ba_{0.33}Ti_{0.02}Mn_{0.98}O₃ ferromagnetic thin films grown on 001-oriented SrTiO₃ substrates. Dalton Transactions, 2016, 45, 15034-15040.	3.3	17
15	Novel multiferroic (Pb1â^'3x/2Ndx)(Ti0.98â^'yFeyMn0.02)O3 ceramics with coexisting ferroelectricity and ferromagnetism at ambient temperature. Materials and Design, 2016, 110, 693-704.	7.0	16
16	Low-energy electron diffraction from ferroelectric surfaces: Dead layers and surface dipoles in clean <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>Pb</mml:mi></mml:mrow><mml:mo>(</mml:mo><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mn>0 Physical Review B, 2017, 96, .	3.2	14
17	The combined action of methanolysis and heterogeneous photocatalysis in the decomposition of chemical warfare agents. Chemical Communications, 2016, 52, 12956-12959.	4.1	13
18	Polarization landscape effects in soft X-ray-induced surface chemical decomposition of lead zirco-titanate, evidenced by photoelectron spectromicroscopy. Nanoscale, 2017, 9, 11055-11067.	5.6	13

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19	Combined use of MÃ¶ssbauer spectroscopy, XPS, HRTEM, dielectric and anelastic spectroscopy for estimating incipient phase separation in lead titanate-based multiferroics. Physical Chemistry Chemical Physics, 2018, 20, 14652-14663.	2.8	13
20	Plasma-assisted oxidation of Cu(100) and Cu(111). Chemical Science, 2021, 12, 14241-14253.	7.4	13
21	Ambiguous Role of Growth-Induced Defects on the Semiconductor-to-Metal Characteristics in Epitaxial VO₂/TiO₂ Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 14132-14144.	8.0	12
22	Effects of a surfactant on the morphology and photocatalytic properties of polycrystalline Fe-doped ZnO powders. Journal of Physics and Chemistry of Solids, 2018, 121, 319-328.	4.0	10
23	Formation of a 2D Meta-stable Oxide by Differential Oxidation of AgCu Alloys. ACS Applied Materials & Interfaces, 2020, 12, 23595-23605.	8.0	9
24	Room Temperature Ferromagnetic Mn:Ge(001). Materials, 2014, 7, 106-129.	2.9	8
25	Formation of pure-phase W2C nanoparticles through carbothermal reduction in the presence of Pd(0) nanoparticles. Journal of Alloys and Compounds, 2016, 682, 679-685.	5.5	8
26	Triggering surface ferroelectric order in Pb(Zr,Ti)O3(001) by deposition of platinum. Applied Surface Science, 2018, 432, 27-33.	6.1	8
27	Growth mechanisms and band bending in Cu and Pt on Ge(001) investigated by LEED and photoelectron spectroscopy. Surface Science, 2016, 653, 97-106.	1.9	7
28	Low-Temperature Growth of Graphene on a Semiconductor. Journal of Physical Chemistry C, 2021, 125, 4243-4252.	3.1	6
29	Beyond Nitrogen in the Oxygen Reduction Reaction on Nitrogen-Doped Carbons: A NEXAFS Investigation. Nanomaterials, 2021, 11, 1198.	4.1	6
30	Hydrothermal route to (Fe, N) codoped titania photocatalysts with increased visible light activity. Industria Textila, 2017, 68, 303-308.	0.8	5
31	Long-range magnetic interaction in Mn $$_{x}$$ x Ge $$_{1-x}$$ 1 - x : structural, spectromicroscopic and magnetic investigations. Journal of Materials Science, 2017, 52, 3309-3320.	3.7	4
32	Photoelectron spectroscopic and microspectroscopic probes of ferroelectrics. AIP Conference Proceedings, 2017, , .	0.4	4
33	Impact of Nanomorphology on Surface Doping of Organic Semiconductors: The Pentaceneâ€“C60F48 Interface. ACS Applied Materials & Interfaces, 2020, 12, 25444-25452.	8.0	4
34	Room temperature ferromagnetism and its correlation to ferroelectricity of manganese embedded in lead zirco-titanate. Thin Solid Films, 2019, 669, 440-449.	1.8	2
35	Nanoscopic correlations from curve fitting of photoelectron spectromicroscopy data cubes of lead zirconate titanate films. Results in Physics, 2022, 36, 105436.	4.1	2
36	Coupling of morphological instability and kinetic instability: Chemical waves in hydrogen oxidation on a bimetallic Ni/Rh(111) surface. Physical Review Materials, 2021, 5, .	2.4	1

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37	Band bending at magnetic Ni/Ge(001) interface investigated by X-ray photoelectron spectroscopy. Applied Surface Science, 2017, 424, 269-274.	6.1	0
38	A Simplified Method for Patterning Graphene on Dielectric Layers. ACS Applied Materials & Interfaces, 2021, 13, 37510-37516.	8.0	0