

Liviu Cristian Tanase

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4395943/publications.pdf>

Version: 2024-02-01

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	Structural evolution of carbon dots during low temperature pyrolysis. <i>Nanoscale</i> , 2022, 14, 910-918.	5.6	21
2	Nanoscale correlations from curve fitting of photoelectron spectromicroscopy data cubes of lead zirconate titanate films. <i>Results in Physics</i> , 2022, 36, 105436.	4.1	2
3	The impact of having an oxygen-rich microporous surface in carbon electrodes for high-power aqueous supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 53, 36-48.	12.9	24
4	Low-Temperature Growth of Graphene on a Semiconductor. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4243-4252.	3.1	6
5	Coupling of morphological instability and kinetic instability: Chemical waves in hydrogen oxidation on a bimetallic Ni/Rh(111) surface. <i>Physical Review Materials</i> , 2021, 5, .	2.4	1
6	Beyond Nitrogen in the Oxygen Reduction Reaction on Nitrogen-Doped Carbons: A NEXAFS Investigation. <i>Nanomaterials</i> , 2021, 11, 1198.	4.1	6
7	Insights into Reaction Kinetics in Confined Space: Real Time Observation of Water Formation under a Silica Cover. <i>Journal of the American Chemical Society</i> , 2021, 143, 8780-8790.	13.7	22
8	A Simplified Method for Patterning Graphene on Dielectric Layers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37510-37516.	8.0	0
9	Plasma-assisted oxidation of Cu(100) and Cu(111). <i>Chemical Science</i> , 2021, 12, 14241-14253.	7.4	13
10	Impact of Nanomorphology on Surface Doping of Organic Semiconductors: The Pentacene/C60F48 Interface. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25444-25452.	8.0	4
11	Formation of a 2D Meta-stable Oxide by Differential Oxidation of AgCu Alloys. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23595-23605.	8.0	9
12	Manipulating the Optical Properties of Carbon Dots by Fine-Tuning their Structural Features. <i>ChemSusChem</i> , 2019, 12, 4432-4441.	6.8	33
13	Room temperature ferromagnetism and its correlation to ferroelectricity of manganese embedded in lead zirconate-titanate. <i>Thin Solid Films</i> , 2019, 669, 440-449.	1.8	2
14	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. <i>Materials Horizons</i> , 2018, 5, 423-428.	12.2	55
15	Ambiguous Role of Growth-Induced Defects on the Semiconductor-to-Metal Characteristics in Epitaxial VO ₂ /TiO ₂ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14132-14144.	8.0	12
16	Triggering surface ferroelectric order in Pb(Zr,Ti)O ₃ (001) by deposition of platinum. <i>Applied Surface Science</i> , 2018, 432, 27-33.	6.1	8
17	Polarization Orientation in Lead Zirconate Titanate (001) Thin Films Driven by the Interface with the Substrate. <i>Physical Review Applied</i> , 2018, 10, .	3.8	35
18	Effects of a surfactant on the morphology and photocatalytic properties of polycrystalline Fe-doped ZnO powders. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 121, 319-328.	4.0	10

#	ARTICLE	IF	CITATIONS
19	Combined use of Mössbauer spectroscopy, XPS, HRTEM, dielectric and anelastic spectroscopy for estimating incipient phase separation in lead titanate-based multiferroics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14652-14663.	2.8	13
20	Sustainable metal-free carbogels as oxygen reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16336-16343.	10.3	31
21	Band bending at magnetic Ni/Ge(001) interface investigated by X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2017, 424, 269-274.	6.1	0
22	Long-range magnetic interaction in Mn _x Ge _{1-x} : structural, spectromicroscopic and magnetic investigations. <i>Journal of Materials Science</i> , 2017, 52, 3309-3320.	3.7	4
23	Low-energy electron diffraction from ferroelectric surfaces: Dead layers and surface dipoles in clean PbTiO_3 . <i>Physical Review B</i> , 2017, 96, .	3.1	11
24	Oxygenophilic ionic liquids promote the oxygen reduction reaction in Pt-free carbon electrocatalysts. <i>Materials Horizons</i> , 2017, 4, 895-899.	12.2	56
25	Polarization landscape effects in soft X-ray-induced surface chemical decomposition of lead zirco-titanate, evidenced by photoelectron spectromicroscopy. <i>Nanoscale</i> , 2017, 9, 11055-11067.	5.6	13
26	Photoelectron spectroscopic and microspectroscopic probes of ferroelectrics. <i>AIP Conference Proceedings</i> , 2017, . .	0.4	4
27	Interaction of New-Developed TiO ₂ -Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2017, 18, 249.	4.1	23
28	Hydrothermal route to (Fe, N) codoped titania photocatalysts with increased visible light activity. <i>Industria Textila</i> , 2017, 68, 303-308.	0.8	5
29	Ferroelectric triggering of carbon monoxide adsorption on lead zirco-titanate (001) surfaces. <i>Scientific Reports</i> , 2016, 6, 35301.	3.3	23
30	Formation of pure-phase W ₂ C nanoparticles through carbothermal reduction in the presence of Pd(0) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016, 682, 679-685.	5.5	8
31	The combined action of methanolysis and heterogeneous photocatalysis in the decomposition of chemical warfare agents. <i>Chemical Communications</i> , 2016, 52, 12956-12959.	4.1	13
32	Structural, magnetic and magnetocaloric effects in epitaxial La _{0.67} Ba _{0.33} Ti _{0.02} Mn _{0.98} O ₃ ferromagnetic thin films grown on 001-oriented SrTiO ₃ substrates. <i>Dalton Transactions</i> , 2016, 45, 15034-15040.	3.3	17
33	Growth mechanisms and band bending in Cu and Pt on Ge(001) investigated by LEED and photoelectron spectroscopy. <i>Surface Science</i> , 2016, 653, 97-106.	1.9	7
34	Novel multiferroic (Pb _{1-3x/2} Ndx)(Ti _{0.98-y} FeyMn _{0.02})O ₃ ceramics with coexisting ferroelectricity and ferromagnetism at ambient temperature. <i>Materials and Design</i> , 2016, 110, 693-704.	7.0	16
35	Band bending at copper and gold interfaces with ferroelectric Pb(Zr,Ti)O ₃ investigated by photoelectron spectroscopy. <i>Applied Surface Science</i> , 2015, 354, 459-468.	6.1	19
36	Deoxygenation of oleic acid: Influence of the synthesis route of Pd/mesoporous carbon nanocatalysts onto their activity and selectivity. <i>Applied Catalysis A: General</i> , 2015, 504, 81-91.	4.3	46

#	ARTICLE	IF	CITATIONS
37	Room Temperature Ferromagnetic Mn:Ge(001). Materials, 2014, 7, 106-129.	2.9	8
38	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