

# Felicia Iacomi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1414338/publications.pdf>

Version: 2024-02-01

63  
papers

977  
citations

394421

19  
h-index

454955

30  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1322  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced graphene oxide decorated with Fe doped SnO <sub>2</sub> nanoparticles for humidity sensor. Applied Surface Science, 2017, 402, 410-417.	6.1	100
2	Study on Ni-doped ZnO films as gas sensors. Applied Surface Science, 2013, 280, 598-604.	6.1	85
3	Studies on the structure and gas sensing properties of nickel-cobalt ferrite thin films prepared by spin coating. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 1334-1338.	3.5	74
4	Synthesis of nanocrystalline La-Pb-Fe-O perovskite and methanol-sensing characteristics. Sensors and Actuators B: Chemical, 2012, 161, 977-981.	7.8	61
5	Increasing surface hydrophilicity of titania thin films by doping. Applied Surface Science, 2006, 252, 6122-6126.	6.1	39
6	Polaron transport in TiO <sub>2</sub> thin films. Journal of Applied Physics, 2010, 108, 083701.	2.5	37
7	Ni doping effect on electrical conductivity of ZnO nanocrystalline thin films. Journal of Materials Science: Materials in Electronics, 2011, 22, 1473-1478.	2.2	37
8	Undoped and Cr-doped TiO <sub>2</sub> thin films obtained by spray pyrolysis. Thin Solid Films, 2010, 518, 4586-4589.	1.8	34
9	Electrical conduction properties of Co-doped ZnO nanocrystalline thin films. Journal of Materials Science: Materials in Electronics, 2012, 23, 425-430.	2.2	34
10	Study of the influence of nickel ions substitutes in barium stannates used as humidity resistive sensors. Sensors and Actuators A: Physical, 2012, 173, 24-29.	4.1	33
11	The influence of Zn <sup>2+</sup> ions on the microstructure, electrical and gas sensing properties of La <sub>0.8</sub> Pb <sub>0.2</sub> FeO <sub>3</sub> perovskite. Sensors and Actuators B: Chemical, 2014, 191, 239-245.	7.8	31
12	Chromium-doped titanium oxide thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 187-191.	3.5	26
13	Functional properties of nickel cobalt oxide thin films. Thin Solid Films, 2011, 520, 651-655.	1.8	26
14	Selectivity between methanol and ethanol gas of La-Pb-Fe-O perovskite synthesized by novel method. Sensors and Actuators A: Physical, 2013, 190, 176-180.	4.1	26
15	Metal-polymer nanocomposites based on Ni nanoparticles and polythiophene obtained by electrochemical method. Applied Surface Science, 2015, 352, 95-102.	6.1	25
16	Structural studies on some doped CdS thin films deposited by thermal evaporation. Thin Solid Films, 2007, 515, 6080-6084.	1.8	23
17	Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method. Journal of Materials Science, 2013, 48, 4305-4312.	3.7	22
18	Formation of semiconductor clusters in zeolites. Surface Science, 2003, 532-535, 816-821.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Silicon metal-semiconductorâ€“metal photodetector with zinc oxide transparent conducting electrodes. <i>Thin Solid Films</i> , 2008, 516, 1629-1633.	1.8	20
20	Substrate and Fe-doping effects on the hydrophilic properties of TiO <sub>2</sub> thin films. <i>Thin Solid Films</i> , 2007, 515, 6474-6478.	1.8	16
21	Alpha keratin amino acids BEHAVIOR under high FLUENCE laser interaction. Medical applications. <i>Applied Surface Science</i> , 2019, 488, 418-426.	6.1	16
22	Investigation of structural properties of ITO thin films deposited on different substrates. <i>Thin Solid Films</i> , 2007, 515, 8674-8678.	1.8	12
23	Polydimethylsiloxaneâ€“silica Composites. Influence of the Silica on the Morphology and the Surface, Thermal, Mechanical Properties. <i>High Performance Polymers</i> , 2009, 21, 379-392.	1.8	12
24	Chemical and physical methods for multifunctional nanostructured interface fabrication. , 2019, , 15-26.		12
25	MnS clusters in natural zeolites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 101, 275-278.	3.5	10
26	Gas sensing materials based on TiO <sub>2</sub> thin films. <i>Journal of Vacuum Science &amp; Technology B</i> , 2009, 27, 538-541.	1.3	10
27	Polydimethyldiphenylsiloxanes/silica interconnected networks: preparation and properties evaluation. <i>Polymer Bulletin</i> , 2010, 64, 421-434.	3.3	10
28	On the structural and electrical characteristics of zinc oxide thin films. <i>Thin Solid Films</i> , 2010, 518, 4615-4618.	1.8	10
29	Structural characterization of copolymer embedded magnetic nanoparticles. <i>Applied Surface Science</i> , 2015, 352, 109-116.	6.1	10
30	Structure and surface morphology of Mn-implanted TiO <sub>2</sub> . <i>Thin Solid Films</i> , 2007, 515, 6402-6406.	1.8	9
31	The effect of visible light on gold nanoparticles and some bioeffects on environmental fungi. <i>International Journal of Pharmaceutics</i> , 2016, 505, 255-261.	5.2	9
32	City water pollution by soot-surface-active agents revealed by FTIR spectroscopy. <i>Applied Surface Science</i> , 2020, 499, 142487.	6.1	9
33	Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer. <i>Applied Surface Science</i> , 2017, 424, 324-329.	6.1	8
34	Room-temperature ferromagnetism in Mn-implanted TiO <sub>2</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 4119-4122.	0.8	7
35	Studies of MnS cluster formation in laumontite zeolite. <i>Surface Science</i> , 2006, 600, 4323-4327.	1.9	6
36	On the Mechanism of Electrical Conduction in Cobalt-Doped Zinc Oxide Nanocrystalline Thin Films. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 054602.	1.6	6

#	ARTICLE	IF	CITATIONS
37	Preparation and characterization of some electrospun polysulfone nanocomposites reinforced with Ni doped SnO <sub>2</sub> nanoparticles. <i>European Polymer Journal</i> , 2017, 91, 326-336.	5.4	6
38	Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL. <i>Applied Surface Science</i> , 2018, 443, 83-90.	6.1	5
39	SYNTHESIS AND ELECTRON TRANSPORT PROPERTIES OF SOME NEW 4,7-PHENANTHROLINE DERIVATIVES IN THIN FILMS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 421-431.	0.6	5
40	The influence of the substrate nature on the iron repartition in the titania matrix. <i>Surface Science</i> , 2007, 601, 2692-2695.	1.9	4
41	Electric conduction mechanism of some heterocyclic compounds, 4,4'-bipyridine and indolizine derivatives in thin films. <i>Thin Solid Films</i> , 2016, 612, 358-368.	1.8	4
42	Electrospun TiO <sub>2</sub> -based nanofiber composites and their bio-related and environmental applications. , 2019, , 307-321.		4
43	UV irradiation influence on the structural and optical properties of CdO thin films. <i>EPJ Applied Physics</i> , 2011, 55, 10301.	0.7	3
44	Effect of the Substrate Nature on Electron Transport in Ga Doped ZnO Thin Films Grown by RF Sputtering. <i>Materials Today: Proceedings</i> , 2018, 5, 15888-15894.	1.8	3
45	Synthesis and Structural Characterization of Cobalt Nanostructures in AAO Membranes. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 3444-3447.	0.4	3
46	Synthesis of the transparent and conductive CdS thin films for optoelectronic devices applications. , 0, , .		2
47	Synthesis and characterization of nickel cobalt oxide thin films. , 2010, , .		2
48	The Meyer-Randell rule in layered silicone-silver nanocomposites. <i>Polymer Composites</i> , 2011, 32, 1751-1756.	4.6	2
49	Electrostatic vs steric stabilization of Fe <sub>3</sub> O <sub>4</sub> and Co <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> nanoparticles. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
50	A study of the cation-zeolitic surface interaction by ESR spectroscopy. <i>Applied Surface Science</i> , 1993, 65-66, 298-301.	6.1	1
51	Ga doped ZnO thin films deposited by RF magnetron sputtering &#x2014; Preparation and properties. , 2011, , .		1
52	Optical and structural properties in type-II InAlAs/AlGaAs quantum dots observed by photoluminescence, X-ray diffraction and transmission electron microscopy. <i>Superlattices and Microstructures</i> , 2017, 110, 1-9.	3.1	1
53	Structural and physical properties of InAlAs quantum dots grown on GaAs. <i>Physica B: Condensed Matter</i> , 2018, 535, 262-267.	2.7	1
54	Structural and optical properties of Zn <sub>1-x</sub> Al <sub>x</sub> Si <sub>y</sub> O wurtzite heterostructure thin film for photovoltaic applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 260, 114614.	3.5	1

#	ARTICLE	IF	CITATIONS
55	Optically Transparent Electrodes for Photoresponse Enhancement of MSM Photodetector. , 2006, , .		0
56	Structural and Electro-Optical Properties of ZnO Thin Films. , 2007, , .		0
57	Influence of Substrate Nature and Annealing on Electro-Optical Properties of ZnO Thin Films. AIP Conference Proceedings, 2007, , .	0.4	0
58	Heterojunctions based on transparent oxidic layer and silicon for electronic and optoelectronic device applications. , 2012, , .		0
59	n-ZnO channel based transparent thin film transistor: Fabrication and characterization. , 2013, , .		0
60	The Evanescent Waves in Metallic Strip Gratings and Complex Structures in Subwavelength Regime. Materials Today: Proceedings, 2015, 2, 3846-3852.	1.8	0
61	Comparative study on the uptake and bioimpact of metal nanoparticles released into environment. AIP Conference Proceedings, 2015, , .	0.4	0
62	Behaviour of a ZnO thin film as MSG for biosensing material in sub-wavelength regime. IOP Conference Series: Materials Science and Engineering, 2016, 161, 012061.	0.6	0
63	Optical and Photosensitive Properties of Flexible n (p)â€“InSe/In2O3 Heterojunctions. Materials, 2022, 15, 3140.	2.9	0