

# Cristina Buzea

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3343446/publications.pdf>

Version: 2024-02-01

40  
papers

4,462  
citations

858243

12  
h-index

651938

25  
g-index

42  
all docs

42  
docs citations

42  
times ranked

7065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials and Nanocomposites: Classification and Toxicity. , 2021, , 3-39.		0
2	Nanomaterials and Nanocomposites: Classification and Toxicity. , 2021, , 1-38.		1
3	Heavy Metals: Definition, Toxicity, and Uptake in Plants. Nanotechnology in the Life Sciences, 2020, , 1-17.	0.4	2
4	Electrical Properties of Nanowires and Nanofibers. , 2019, , 557-618.		2
5	Toxicity of nanoparticles. , 2019, , 705-754.		21
6	Electrical Properties of Nanowires and Nanofibers. , 2018, , 1-62.		3
7	Nanoparticle Uptake by Plants: Beneficial or Detrimental?. , 2018, , 1-61.		12
8	Nanoparticle Interaction with Plants. Soil Biology, 2017, , 323-355.	0.6	5
9	Nanomaterial and Nanoparticle: Origin and Activity. Soil Biology, 2017, , 71-112.	0.6	20
10	Nanomaterials and their Classification. Advanced Structured Materials, 2017, , 3-45.	0.3	32
11	Towards new therapeutic approaches for malignant melanoma. Expert Reviews in Molecular Medicine, 2011, 13, e33.	1.6	38
12	Nanomaterials and nanoparticles: Sources and toxicity. Biointerphases, 2007, 2, MR17-MR71.	0.6	2,686
13	Optical viewport assembly for eye-safe monitoring of thin film deposition. Journal of Laser Applications, 2006, 18, 81-83.	0.8	0
14	State of the art in thin film thickness and deposition rate monitoring sensors. Reports on Progress in Physics, 2005, 68, 385-409.	8.1	59
15	Assembling the puzzle of superconducting elements: a review. Superconductor Science and Technology, 2005, 18, R1-R8.	1.8	134
16	Ex situ ellipsometric investigation of nanocolumns inclination angle of obliquely evaporated silicon thin films. Applied Physics Letters, 2005, 87, 153103.	1.5	39
17	Thickness and density evaluation for nanostructured thin films by glancing angle deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2545.	1.6	34
18	Control of power law scaling in the growth of silicon nanocolumn pseudo-regular arrays deposited by glancing angle deposition. Nanotechnology, 2005, 16, 1986-1992.	1.3	63

#	ARTICLE	IF	CITATIONS
19	Ultrahigh vacuum glancing angle deposition system for thin films with controlled three-dimensional nanoscale structure. <i>Review of Scientific Instruments</i> , 2004, 75, 1089-1097.	0.6	174
20	Review of the superconducting properties of MgB <sub>2</sub> . <i>Superconductor Science and Technology</i> , 2001, 14, R115-R146.	1.8	1,067
21	A novel hydrodynamic approach to superconductivity. Appearance of the Meissner effect. <i>Chaos, Solitons and Fractals</i> , 2001, 12, 429-443.	2.5	0
22	Critical temperature variation with nonstoichiometry in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 357-360, 288-290.	0.6	7
23	New phenomenological derivation of temperature dependence of the coherence length and critical field for anisotropic three-dimensional lattices. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 362, 210-214.	0.6	3
24	Correlation between electronegativity and superconductivity. <i>Physica B: Condensed Matter</i> , 2000, 281-282, 951-952.	1.3	7
25	Critical temperature correlations with mass scaling along c-axis in cuprates: Prediction of structures with higher critical temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 499-500.	0.6	0
26	Thin-film surface temperature variations during pulsed laser deposition. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2389-2390.	0.6	0
27	Comprehensive study of the film surface temperature and plasma thermokinetics during La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> deposition by laser ablation. <i>Journal of Applied Physics</i> , 1999, 86, 2856-2864.	1.1	7
28	Generalization of the Kink Solution for Superconductors with Large Penetration Depths in the Ginzburg-Landau Formalism. <i>Chaos, Solitons and Fractals</i> , 1999, 10, 1529-1537.	2.5	1
29	Electron spin interactions and Meissner effect. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 494-495.	1.3	0
30	Elliptic function formalism description of anisotropic Ginzburg-Landau equation. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 298, 133-139.	0.6	0
31	Exact Solutions of the Ginzburg-Landau Equation in the Elliptic Function Formalism. , 1998, , 245-248.		1
32	The uncertainty relation for an assembly of Planck-type oscillators. A possible GR-quantum mechanics connection. <i>Chaos, Solitons and Fractals</i> , 1997, 8, 809-821.	2.5	9
33	Model of gravitation with repulsive force. <i>Journal of the Franklin Institute</i> , 1997, 334, 57-62.	1.9	1
34	On the information and uncertainty relation of canonical quantum systems with SL(2R) invariance. <i>Chaos, Solitons and Fractals</i> , 1996, 7, 659-668.	2.5	6
35	The isotope effect coefficient dependence on nonstoichiometry for single CuO layer superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 270, 317-326.	0.6	3
36	Analysis of partial substitutions in one Cu-O layer superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 1995, 8, 147-153.	0.5	3

#	ARTICLE	IF	CITATIONS
37	A model for the superconducting critical temperature dependence on the oxygen content in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 247, 105-114.	0.6	5
38	About the pair breaking-time in superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 195, 181-183.	0.9	14
39	CHAPTER 29. Nanomaterial Toxicity. <i>RSC Detection Science</i> , 0, , 273-324.	0.0	0
40	Magnesium diboride. , 0, , .		0