

Cristina Buzea

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,462
citations

759233

12
h-index

580821

25
g-index

42
all docs

42
docs citations

42
times ranked

6380
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials and nanoparticles: Sources and toxicity. <i>Biointerphases</i> , 2007, 2, MR17-MR71.	1.6	2,686
2	Review of the superconducting properties of MgB ₂ . <i>Superconductor Science and Technology</i> , 2001, 14, R115-R146.	3.5	1,067
3	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.	1.3	174
4	Assembling the puzzle of superconducting elements: a review. <i>Superconductor Science and Technology</i> , 2005, 18, R1-R8.	3.5	134
5	Control of power law scaling in the growth of silicon nanocolumn pseudo-regular arrays deposited by glancing angle deposition. <i>Nanotechnology</i> , 2005, 16, 1986-1992.	2.6	63
6	State of the art in thin film thickness and deposition rate monitoring sensors. <i>Reports on Progress in Physics</i> , 2005, 68, 385-409.	20.1	59
7	Ex situ ellipsometric investigation of nanocolumns inclination angle of obliquely evaporated silicon thin films. <i>Applied Physics Letters</i> , 2005, 87, 153103.	3.3	39
8	Towards new therapeutic approaches for malignant melanoma. <i>Expert Reviews in Molecular Medicine</i> , 2011, 13, e33.	3.9	38
9	Thickness and density evaluation for nanostructured thin films by glancing angle deposition. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005, 23, 2545.	1.6	34
10	Nanomaterials and their Classification. <i>Advanced Structured Materials</i> , 2017, , 3-45.	0.5	32
11	Toxicity of nanoparticles. , 2019, , 705-754.		21
12	Nanomaterial and Nanoparticle: Origin and Activity. <i>Soil Biology</i> , 2017, , 71-112.	0.8	20
13	About the pair breaking-time in superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 195, 181-183.	2.1	14
14	Nanoparticle Uptake by Plants: Beneficial or Detrimental?. , 2018, , 1-61.		12
15	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.	5.1	9
16	Comprehensive study of the film surface temperature and plasma thermokinetics during La _{1.85} Sr _{0.15} CuO ₄ deposition by laser ablation. <i>Journal of Applied Physics</i> , 1999, 86, 2856-2864.	2.5	7
17	Correlation between electronegativity and superconductivity. <i>Physica B: Condensed Matter</i> , 2000, 281-282, 951-952.	2.7	7
18	Critical temperature variation with nonstoichiometry in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 357-360, 288-290.	1.2	7

#	ARTICLE	IF	CITATIONS
19	On the information and uncertainty relation of canonical quantum systems with $SL(2R)$ invariance. Chaos, Solitons and Fractals, 1996, 7, 659-668.	5.1	6
20	A model for the superconducting critical temperature dependence on the oxygen content in $YBa_2Cu_3O_{6+x}$. Physica C: Superconductivity and Its Applications, 1995, 247, 105-114.	1.2	5
21	Nanoparticle Interaction with Plants. Soil Biology, 2017, , 323-355.	0.8	5
22	Analysis of partial substitutions in one Cu-O layer superconductors. Journal of Superconductivity and Novel Magnetism, 1995, 8, 147-153.	0.5	3
23	The isotope effect coefficient dependence on nonstoichiometry for single CuO layer superconductors. Physica C: Superconductivity and Its Applications, 1996, 270, 317-326.	1.2	3
24	New phenomenological derivation of temperature dependence of the coherence length and critical field for anisotropic three-dimensional lattices. Physica C: Superconductivity and Its Applications, 2001, 362, 210-214.	1.2	3
25	Electrical Properties of Nanowires and Nanofibers. , 2018, , 1-62.		3
26	Electrical Properties of Nanowires and Nanofibers. , 2019, , 557-618.		2
27	Heavy Metals: Definition, Toxicity, and Uptake in Plants. Nanotechnology in the Life Sciences, 2020, , 1-17.	0.6	2
28	Model of gravitation with repulsive force. Journal of the Franklin Institute, 1997, 334, 57-62.	3.4	1
29	Generalization of the Kink Solution for Superconductors with Large Penetration Depths in the Ginzburg-Landau Formalism. Chaos, Solitons and Fractals, 1999, 10, 1529-1537.	5.1	1
30	Exact Solutions of the Ginzburg-Landau Equation in the Elliptic Function Formalism. , 1998, , 245-248.		1
31	Nanomaterials and Nanocomposites: Classification and Toxicity. , 2021, , 1-38.		1
32	Elliptic function formalism description of anisotropic Ginzburg-Landau equation. Physica C: Superconductivity and Its Applications, 1998, 298, 133-139.	1.2	0
33	Electron spin interactions and Meissner effect. Physica B: Condensed Matter, 1999, 259-261, 494-495.	2.7	0
34	Critical temperature correlations with mass scaling along c-axis in cuprates: Prediction of structures with higher critical temperatures. Physica C: Superconductivity and Its Applications, 2000, 341-348, 499-500.	1.2	0
35	Thin-film surface temperature variations during pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2389-2390.	1.2	0
36	A novel hydrodynamic approach to superconductivity. Appearance of the Meissner effect. Chaos, Solitons and Fractals, 2001, 12, 429-443.	5.1	0

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37	Optical viewport assembly for eye-safe monitoring of thin film deposition. Journal of Laser Applications, 2006, 18, 81-83.	1.7	0
38	Nanomaterials and Nanocomposites: Classification and Toxicity. , 2021, , 3-39.		0
39	CHAPTER 29. Nanomaterial Toxicity. RSC Detection Science, 0, , 273-324.	0.0	0
40	Magnesium diboride. , 0, , .		0