Kleber D Machado

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5574935/publications.pdf

Version: 2024-02-01

430874 552781 62 842 18 26 citations h-index g-index papers 62 62 62 825 all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Structural studies of cobalt selenides prepared by mechanical alloying. Physica B: Condensed Matter, 2002, 324, 409-418.	2.7	70
2	Structural studies of iron selenides prepared by mechanical alloying. Solid State Communications, 2002, 123, 179-184.	1.9	54
3	Structural study of Cu2â^'x Se alloys produced by mechanical alloying. Acta Crystallographica Section B: Structural Science, 2004, 60, 282-286.	1.8	51
4	Hexagonal CoSe formation in mechanical alloyed Co75Se25 mixture. Solid State Communications, 2004, 131, 265-270.	1.9	38
5	XRD, DSC, MS and RS studies of Fe75Se25 iron selenide prepared by mechano-synthesis. Journal of Magnetism and Magnetic Materials, 2004, 270, 89-98.	2.3	31
6	EXAFS, x-ray diffraction, and reverse Monte Carlo simulations of an amorphousNi60Ti40alloy produced by mechanical alloying. Physical Review B, 2002, 66, .	3.2	30
7	Structural study of an amorphousNiZr2alloy by anomalous wide-angle x-ray scattering and reverse Monte Carlo simulations. Physical Review B, 2003, 67, .	3.2	30
8	Nucleation and growth of nanocrystalline pyrite nickel diselenide by mechanical alloying. Solid State Communications, 2003, 128, 229-234.	1.9	27
9	Strong evidences of tempered martensite-to-nitrogen-expanded austenite transformation in CA-6NM steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 569-572.	5.6	27
10	Nature of the Collapse Transition for Polymers. Physical Review Letters, 1996, 76, 2734-2737.	7.8	26
11	GaSe formation by mechanical alloying Ga50Se50 mixture. Solid State Communications, 2003, 126, 611-615.	1.9	25
12	Reverse Monte Carlo simulations and Raman scattering of an amorphous GeSe4 alloy produced by mechanical alloying. Solid State Communications, 2005, 133, 411-416.	1.9	25
13	Aging of a nanostructured Zn50Se50 alloy produced by mechanical alloying. Solid State Communications, 2003, 127, 477-481.	1.9	24
14	Structural, thermal and optical studies of Ni3Se2 compound produced by mechanical alloying. Solid State Ionics, 2004, 168, 205-210.	2.7	20
15	X-ray and neutron diffraction studies and reverse Monte Carlo simulations of an amorphous Ni60Ti40alloy produced by mechanical alloying. Journal of Physics Condensed Matter, 2005, 17, 1703-1710.	1.8	19
16	Structural and vibrational investigations on Ge34Sb66 solid solutions produced by mechanical alloying. Journal of Alloys and Compounds, 2013, 575, 80-85.	5.5	19
17	Extended x-ray absorption fine structure, x-ray diffraction and reverse Monte Carlo studies of an amorphous Ga50Se50alloy produced by mechanical alloying. Journal of Physics Condensed Matter, 2004, 16, 581-590.	1.8	18
18	Mössbauer and magnetization studies of Fe25Se75 iron selenides produced by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2004, 269, 6-14.	2.3	18

#	Article	IF	CITATIONS
19	Thermodynamic behavior of a polymer with interacting bonds on a square lattice. Physical Review E, 2001, 64, 051810.	2.1	16
20	Polymers with attractive interactions on the Husimi lattice. Journal of Physics A, 2004, 37, 8811-8821.	1.6	16
21	Reverse Monte Carlo simulations, Raman scattering, and thermal studies of an amorphous Ge30Se70 alloy produced by mechanical alloying. Journal of Chemical Physics, 2004, 120, 329-336.	3.0	12
22	EXAFS and XRD studies of an amorphous Co57Ti43 alloy produced by mechanical alloying. Solid State Communications, 2007, 143, 153-157.	1.9	12
23	Modeling the amorphous structure of mechanically alloyed Ti50Ni25Cu25 using anomalous wide-angle x-ray scattering and reverse Monte Carlo simulation. Physica B: Condensed Matter, 2013, 424, 60-68.	2.7	12
24	EXAFS and Raman studies of mechanical alloyed Ni25Se75 mixture under high-pressure conditions. Journal of Solid State Chemistry, 2005, 178, 93-99.	2.9	11
25	Comparison between Einstein and Debye models for an amorphous Ni46Ti54alloy produced by mechanical alloying investigated using extended x-ray absorption fine structure and cumulant expansion. Journal of Chemical Physics, 2011, 134, 064503.	3.0	11
26	Two- and three-dimensional site-bond-correlated percolation. Physical Review B, 1993, 47, 493-496.	3.2	10
27	Stilck, Serra, and Machado Reply:. Physical Review Letters, 2002, 89, .	7.8	10
28	Pressure-induced effects on the structural properties of iron selenides produced by mechano-synthesis. Journal of Physics Condensed Matter, 2004, 16, 8485-8490.	1.8	10
29	Vibrational, optical and structural studies of an amorphous Se _{0.90} S _{0.10} alloy produced by mechanical alloying. Journal of Physics Condensed Matter, 2009, 21, 195406. Structural study of an amorphous <mml:math <="" td="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>1.8</td><td>10</td></mml:math>	1.8	10
30	altimg="si17.gif" display="inline" overflow="scroll"> <mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>Cu</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>64</mml:mn> mathvariant="normal"><mml:mi>Ti</mml:mi></mml:mrow><mml:mrow><mml:mn>36</mml:mn> alloy produced by mechanical alloying using XRD, EXAFS and RMC. Solid State Communications, 2010,</mml:mrow></mml:msub>	> {/mml:m <td>row>ow></td>	row>ow>
31	150, 1674-1678. EXAFS and cumulant expansion studies of an amorphous Se90P10 alloy produced by mechanical alloying. Solid State Communications, 2011, 151, 1280-1284.	1.9	10
32	Tension of polymers in a strip. European Physical Journal B, 1998, 5, 899-904.	1.5	9
33	Investigation on vibrational and structural properties of amorphous alloys produced by mechanical alloying by Raman spectroscopy, X-ray diffraction, EXAFS and RMC simulations. Solid State Communications, 2010, 150, 1359-1363.	1.9	8
34	Reverse Monte Carlo simulations of an amorphous Se0.90S0.10 alloy produced by mechanical alloying combining XRD and EXAFS data. Journal of Non-Crystalline Solids, 2010, 356, 2865-2868.	3.1	8
35	Determination of thermal and photothermal properties of an amorphous GaSe9 alloy. Journal of Applied Physics, 2014, 116, 083514.	2.5	8
36	Structural and optical properties of ZnO films produced by a modified ultrasonic spray pyrolysis technique. Thin Solid Films, 2014, 551, 13-18.	1.8	8

#	Article	IF	CITATIONS
37	Electronic and optical properties of amorphous GaSe thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 7379-7383.	2.2	8
38	Modeling the atomic structure of an amorphous Co25Nb75 alloy produced by mechanical alloying using an additive hard sphere model and RMC simulations. Chemical Physics Letters, 2004, 384, 386-390.	2.6	7
39	Influence of the temperature on the structure of an amorphous Ni46Ti54 alloy produced by mechanical alloying. European Physical Journal B, 2008, 64, 201-209.	1.5	7
40	Structural, vibrational and optical studies on an amorphous Se ₉₀ P ₁₀ alloy produced by mechanical alloying. Journal of Physics Condensed Matter, 2012, 24, 115802.	1.8	7
41	GaxSe10-x based solar cells: Some alternatives for the improvement in their performance parameters. Solar Energy Materials and Solar Cells, 2019, 193, 141-148.	6.2	7
42	EXAFS, X-ray diffraction and Mössbauer studies of an amorphous Fe60Ti40 alloy produced by mechanical alloying. Journal of Non-Crystalline Solids, 2003, 318, 121-130.	3.1	6
43	Comparison among the local atomic order of amorphous TM-Ti alloys (TM = Co, Ni, Cu) produced by mechanical alloying studied by EXAFS. European Physical Journal B, 2004, 37, 421-424.	1.5	6
44	SeP hole injection layer for devices based on organic materials. Journal Physics D: Applied Physics, 2014, 47, 015304.	2.8	5
45	Structural, optical and thermal characterization of nanostructured CdSe obtained by mechanical alloying. Journal of Molecular Structure, 2014, 1074, 511-515.	3.6	5
46	Influence of pressure on the morphology and structure of surfaces sintered in pulsed DC annular hollow cathode discharge. Surface and Coatings Technology, 2018, 344, 402-409.	4.8	5
47	Modeling the atomic structure of an amorphous Ni46Ti54 alloy produced by mechanical alloying using RMC simulations. Chemical Physics Letters, 2006, 430, 108-112.	2.6	4
48	Structural investigations on an amorphous Se ₉₀ Te ₁₀ alloy produced by mechanical alloying using EXAFS, cumulant expansion and RMC simulations. Journal of Physics Condensed Matter, 2012, 24, 125401.	1.8	4
49	Vibrational and structural properties of an amorphous InSe9 alloy produced by mechanical alloying. European Physical Journal B, 2013, 86, 1.	1.5	4
50	Structural study of CoxGe100â^'x alloys produced by mechanical alloying. Solid State Communications, 2005, 136, 466-469.	1.9	3
51	Modeling the atomic structure of an amorphous Co57Ti43 alloy produced by mechanical alloying using RMC simulations. Solid State Communications, 2008, 148, 46-49.	1.9	3
52	Thermal and optical studies of an amorphous InSe9 alloy produced by mechanical alloying. Solid State Communications, 2012, 152, 1604-1608.	1.9	3
53	Structural and thermal investigations of an amorphous GaSe9 alloy using EXAFS, cumulant expansion, and reverse Monte Carlo simulations. Journal of Chemical Physics, 2015, 142, 054504.	3.0	3
54	Influence of an interfacial cesium oxide thin layer in the performance and internal dynamic processes of GaSe9 solar cells. Solar Energy Materials and Solar Cells, 2017, 171, 1-7.	6.2	3

#	Article	IF	CITATIONS
55	Study of polymers with crossing bonds on the square lattice. Journal of Physics A, 1997, 30, 1445-1455.	1.6	2
56	Enhancement of P3HT organic photodiodes by the addition of a GaSe sub 9 lsub alloy thin layer. Semiconductor Science and Technology, 2017, 32, 085008.	2.0	2
57	Morphological, optical and electrical properties of GaSe9 films and its application in photovoltaic devices. Journal of Materials Science: Materials in Electronics, 2017, 28, 2241-2249.	2.2	2
58	Optical phonons in mechanical alloyed Zn50Se50 mixture. Vibrational Spectroscopy, 2004, 36, 117-121.	2.2	1
59	Determination of thermal diffusivity and optical gap of an amorphous P20Se80 alloy through photoacoustic measurements. Journal of Non-Crystalline Solids, 2015, 426, 43-46.	3.1	1
60	EXAFS investigations on amorphous GaSe9 thin films. Journal of Non-Crystalline Solids, 2016, 447, 233-237.	3.1	1
61	Study of amorphous Co56Nb22Sn22 alloy prepared by mechanical alloying. Journal of Non-Crystalline Solids, 2004, 347, 262-267.	3.1	0
62	Coexistence of interface states and confined electronic levels contribution for the light emission of Si nanocrystals embedded in SiO2. Journal of Luminescence, 2019, 209, 291-294.	3.1	0