

Ananthakrishnan Srinivasan

List of Publications by Year in descending order

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143
papers

2,155
citations

218592

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148
docs citations

148
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural transition and associated magnetic properties of heat treated electrospun one-dimensional CaFe ₂ O ₄ . Chemical Physics Letters, 2022, 786, 139169.	1.2	1
2	Effects of composition variation and site disorder on the magnetic interactions in Ru ₂ Fe(Si _{1-x} Ge _x) alloys. Journal of Magnetism and Magnetic Materials, 2022, 546, 168913.	1.0	0
3	Effect of trace additions of Sn on precipitation kinetics and microstructural phases of Al-Cu-Mg alloys. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 1853-1874.	0.8	3
4	Resistive Switching in Polyvinylpyrrolidone/Molybdenum Disulfide Composite-Based Memory Devices. Acta Physica Polonica A, 2022, 141, 439-444.	0.2	4
5	Optical and resistive switching properties of Chitosan-aluminum-doped zinc oxide composite thin films for transparent resistive random access memory application. Journal of Materials Science: Materials in Electronics, 2021, 32, 3556-3565.	1.1	5
6	Large linear sensitivity of asymmetric structured giant magnetoresistive device with metastable bcc-Cu spacer and auxiliary biquadratic coupling through Rh spacer. Journal Physics D: Applied Physics, 2021, 54, 255004.	1.3	3
7	Systematic investigation of the effect of layer thickness on the linear sensing characteristics of asymmetric structured CoFe/Rh/CoFe/Cu/CoFe fully epitaxial CIP-GMR based magnetic sensors. Journal of Magnetism and Magnetic Materials, 2021, 538, 168321.	1.0	3
8	Understanding low field microwave absorption in Ni-Mn based Heusler alloy films. Materials Research Bulletin, 2021, 143, 111453.	2.7	2
9	Synthesis and Characterization of Tea Polyphenol-Coated Magnetite Nanoparticles for Hyperthermia Application. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1637-1644.	0.8	8
10	Tuning magnetic anisotropy in Fe _{1-x} Ni _x thin films: The effects of composition and substrate temperature. AIP Conference Proceedings, 2020, , .	0.3	0
11	Resistive Switching in Reduced Graphene Oxide Incorporated Polyvinyl Alcohol Films. Materials Today: Proceedings, 2019, 9, 615-620.	0.9	5
12	Thickness dependent magneto-static and magneto-dynamic properties of CoFeB thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	10
13	Enhanced room temperature magneto-caloric effect in Ni-Mn-In films with Fe/Co substitution. Journal of Applied Physics, 2019, 125, .	1.1	8
14	Enhanced magneto-caloric effect upon fourth element (Cu, Fe, Co) substitution in Ni-Mn-Sn thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	2
15	Structural, magneto-static and magneto-dynamic properties of Fe substituted Ni-Mn-In films. Thin Solid Films, 2018, 653, 384-389.	0.8	3
16	Synthesis of finest superparamagnetic carbon-encapsulated magnetic nanoparticles by a plasma expansion method for biomedical applications. Journal of Alloys and Compounds, 2018, 749, 768-775.	2.8	13
17	Enhanced magneto-caloric effect upon Co substitution in Ni-Mn-Sn thin films. Journal of Magnetism and Magnetic Materials, 2018, 448, 146-152.	1.0	22
18	Structural and magnetic properties of sol-gel derived CaFe ₂ O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 451, 526-531.	1.0	34

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19	Magnetic and structural properties of Co doped ZnO nanowires prepared by heat treatment of electrospun PVA nanofibers containing Zn and Co acetates. Journal of Materials Science: Materials in Electronics, 2018, 29, 4351-4356.	1.1	3
20	Low-Field Microwave Absorption and its Correlation with Magnetization in Ni-Mn-Sn Heusler Alloy Films. , 2018, , .		0
21	Resistive Switching Memory Effect and Conduction Mechanism in Nano-Silver Incorporated Type-A Gelatin Films. , 2018, , .		1
22	Hopping conductivity-mediated O-shaped memory behaviour in gelatin-graphene oxide composite films. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	6
23	Effect of Cu/Fe/Co substitution on static and dynamic magnetic properties of Ni-Mn-Sn alloy thin films. Journal of Magnetism and Magnetic Materials, 2018, 464, 50-55.	1.0	6
24	Comparison of field swept ferromagnetic resonance methods – A case study using Ni-Mn-Sn films. AIP Conference Proceedings, 2018, , .	0.3	1
25	Electron spin resonance in the superconducting state of Ba _{0.6} K _{0.4} Fe ₂ As ₂ . AIP Conference Proceedings, 2018, , .	0.3	1
26	Enhanced Magnetostatic and Magnetodynamic Properties in Fe/Co Substituted Ni-Mn-In Alloy Films. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	0
27	Structural and optical properties of electrospun MoO ₃ nanowires. AIP Conference Proceedings, 2018, , .	0.3	0
28	Bistable resistive memory behavior in gelatin-CdTe quantum dot composite film. AIP Conference Proceedings, 2018, , .	0.3	8
29	Resistive Switching Behaviour in PMMA/Al:ZnO Composite Films. Acta Physica Polonica A, 2018, 134, 68-70.	0.2	5
30	New Aspects of Microwave Absorption in Ferromagnetic Ni-Mn-Sn Thin Films. Acta Physica Polonica A, 2018, 134, 178-181.	0.2	0
31	Evolution of magnetic and bone mineral phases in heat-treated bioactive glass containing zinc and iron oxides. International Journal of Applied Glass Science, 2017, 8, 105-115.	1.0	1
32	Band gap tuning and defects suppression upon Mg doping in electrospun ZnO nanowires. Journal of Materials Science: Materials in Electronics, 2017, 28, 6488-6492.	1.1	2
33	Thickness dependent structural, magnetic and magneto-dynamic properties of Mn rich Ni-Mn-Sn films. Journal of Alloys and Compounds, 2017, 692, 529-534.	2.8	14
34	Effect of electron-electron correlation and site disorder on the magnetic moment and half-metallicity of Co ₂ FeGa _{1-x} Si _x alloys. Materials Chemistry and Physics, 2016, 177, 564-569.	2.0	5
35	Novel polyvinyl alcohol-bioglass 45S5 based composite nanofibrous membranes as bone scaffolds. Materials Science and Engineering C, 2016, 69, 1167-1174.	3.8	36
36	Evidence of oxygen defect induced ferromagnetism in heat treated electrospun ZnO nanowires. Journal of Magnetism and Magnetic Materials, 2016, 404, 190-196.	1.0	29

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37	Effect of Co substitution for Mn on spin polarization and magnetic properties of ferrimagnetic Mn ₂ VAl. Journal of Alloys and Compounds, 2016, 662, 510-515.	2.8	25
38	Low Gilbert damping and in-plane magnetic anisotropy in Ni-Mn-Sn thin film with high L21 order. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	14
39	Evaluation of sol-gel based magnetic 45S5 bioglass and bioglass-ceramics containing iron oxide. Materials Science and Engineering C, 2016, 62, 190-196.	3.8	32
40	Effect of atomic disorder on magnetization and half-metallic character of Cr ₂ CoGa alloy. Journal of Magnetism and Magnetic Materials, 2016, 418, 107-111.	1.0	12
41	Electrospun polyvinyl alcohol-polyvinyl pyrrolidone nanofibrous membranes for interactive wound dressing application. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 247-262.	1.9	33
42	Significant Room Temperature Magneto-Caloric Effect in Ni-Mn-Sn Thin Films. Advanced Science Letters, 2016, 22, 26-29.	0.2	5
43	Experimental and ab initio studies on sub-lattice ordering and magnetism in Co ₂ Fe(Ge _{1-x} Si _x) alloys. Journal of Applied Physics, 2015, 118, 133906.	1.1	3
44	Structural and magnetic properties of Ni-Mn-Sn thin films. AIP Conference Proceedings, 2015, , .	0.3	0
45	Magnetic and structural properties of (Ru _{1-x} Co _x) ₂ FeSi alloys. Physica B: Condensed Matter, 2015, 476, 118-121.	1.3	12
46	Search for fully compensated ferrimagnet in Co substituted Mn ₂ VGa alloy. Journal of Magnetism and Magnetic Materials, 2015, 395, 240-244.	1.0	6
47	Oxygen octahedra distortion induced structural and magnetic phase transitions in Bi _{1-x} Ca _x Fe _{1-x} Mn _x O ₃ ceramics. Journal of Applied Physics, 2015, 117, .	1.1	107
48	Influence of phosphate precursors on the structure, crystallization behaviour and bioactivity of sol-gel derived 45S5 bioglass. RSC Advances, 2015, 5, 100762-100768.	1.7	19
49	Plasma-assisted synthesis of carbon encapsulated magnetic nanoparticles with controlled sizes correlated to smooth variation of magnetic properties. Carbon, 2015, 84, 24-37.	5.4	14
50	Evolution of Magnetic Properties of $\text{CaO-P}_2\text{O}_5\text{-Na}_2\text{O-Fe}_2\text{O}_3$ Glass Upon Heat Treatment. IEEE Transactions on Magnetics, 2014, 50, 1-4.		3
51	Critical behavior and magnetic entropy change at magnetic phase transitions in Ni ₅₀ Mn ₃₅ In ₁₄ Si ₁ ferromagnetic shape memory alloy. Europhysics Letters, 2014, 108, 66004.	0.7	10
52	Static critical phenomena in Co-Ni-Ga ferromagnetic shape memory alloy. , 2014, , .		1
53	Magnetic properties of Co ₂ Fe(Ga _{1-x} Si _x) alloys. Physica B: Condensed Matter, 2014, 448, 173-176.	1.3	23
54	Room temperature ferromagnetism in undoped ZnO nanofibers prepared by electrospinning. Physica B: Condensed Matter, 2014, 448, 112-114.	1.3	12

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55	Estimation of entropy change at the first order martensitic transition in Ni-Mn-X based ferromagnetic shape memory alloys. <i>Physica B: Condensed Matter</i> , 2014, 448, 327-329.	1.3	15
56	Understanding the magnetic behavior of heat treated CaO-P ₂ O ₅ -Na ₂ O-Fe ₂ O ₃ -SiO ₂ bioactive glass using electron paramagnetic resonance studies. <i>Physica B: Condensed Matter</i> , 2014, 448, 132-135.	1.3	20
57	Selected papers from International Conference on Magnetic Materials and Applications. <i>Physica B: Condensed Matter</i> , 2014, 448, iii.	1.3	0
58	Magnetic properties of Ge substituted Ru ₂ FeSi alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 347, 101-104.	1.0	20
59	Influence of solidification rate and heat treatment on magnetic refrigerant properties of melt spun Ni ₅₁ Mn ₃₄ In ₁₄ Si ₁ ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 344, 152-157.	1.0	22
60	Effect of particle size on the magneto-caloric properties of Ni ₅₁ Mn ₃₄ In ₁₄ Si ₁ alloy. <i>Journal of Alloys and Compounds</i> , 2013, 572, 192-198.	2.8	20
61	Sol-gel derived porous bioactive nanocomposites: Synthesis and in vitro bioactivity. , 2013, , .		2
62	Magnetic refrigerant properties of Ni ₅₀ Mn _{37-x} Fe _x Sn ₁₃ alloy at low magnetic fields. , 2012, , .		0
63	Spin polarization and Gilbert damping of Co ₂ Fe(GaxGe _{1-x}) Heusler alloys. <i>Acta Materialia</i> , 2012, 60, 6257-6265.	3.8	108
64	Magnetic properties and spin polarization of Co ₂ Mn(SixSn _{1-x}) alloys containing two L21 phases. <i>Journal of Alloys and Compounds</i> , 2012, 514, 195-198.	2.8	6
65	Deformation Processing Maps for Control of Microstructure in Al-Cu-Mg Alloys Microalloyed with Sn. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3834-3849.	1.1	20
66	Structural and magnetic properties of glass-ceramics containing silver and iron oxide. <i>Materials Chemistry and Physics</i> , 2012, 133, 144-150.	2.0	44
67	Prediction of hot deformation behavior of Al-5.9%Cu-0.5%Mg alloys with trace additions of Sn. <i>Journal of Materials Science</i> , 2012, 47, 929-948.	1.7	22
68	TEMPERATURE DEPENDENT COERCIVITY AND RELAXATION PHENOMENA IN AMORPHOUS Fe-(Mn)-Zr NANOPARTICLES. <i>International Journal of Nanoscience</i> , 2011, 10, 605-609.	0.4	2
69	Enhanced soft magnetic properties in magnetic field annealed amorphous Fe(Co)-Zr-B alloys. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	13
70	A magnetic Compton scattering study of Ga rich Co-Ni-Ga ferromagnetic shape memory alloys. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 386002.	0.7	3
71	Large magnetoresistance in current-perpendicular-to-plane pseudospin valve using a Co ₂ Fe(Ge _{0.5} Ga _{0.5}) Heusler alloy. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	99
72	Effect of Co and Cu substitution on the magnetic entropy change in Ni ₄₆ Mn ₄₃ Sn ₁₁ alloy. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	39

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73	Evaluation of Ni ²⁺ -Mn ²⁺ -In ³⁺ -Si Alloys for Magnetic Refrigerant Application. IEEE Transactions on Magnetism, 2011, 47, 2463-2465.	1.2	7
74	Magnetic properties of bioactive glass-ceramics containing nanocrystalline zinc ferrite. Journal of Magnetism and Magnetic Materials, 2011, 323, 330-333.	1.0	39
75	Enhanced Magnetocaloric Effect In Cobalt Substituted Ni-Mn-Ga Alloys. , 2011, , .		0
76	ROLE OF MICROSTRUCTURE AND DOMAIN STRUCTURE ON THE SOFT MAGNETIC PROPERTIES OF MAGNETIC FIELD ANNEALED Fe _{89-x} Zr ₁₁ B _x ALLOYS. International Journal of Nanoscience, 2011, 10, 301-305.	0.4	0
77	Magnetic Properties of Fe ²⁺ -Mn Substituted Co-Ni-Ga Alloys. , 2011, , .		1
78	Calorimetric study of precipitation kinetics of Al-Cu-Mg and Al-Cu-Mg-0.06 wt.% Sn alloys. Metals and Materials International, 2010, 16, 523-531.	1.8	20
79	Effect of trace additions of Sn on microstructure and mechanical properties of Al ²⁺ -Cu ²⁺ -Mg alloys. Materials & Design, 2010, 31, 4007-4015.	5.1	52
80	EPR and magnetic susceptibility studies of iron ions in ZnO ²⁺ -Fe ₂ O ₃ ³⁺ -SiO ₂ ²⁺ -CaO ²⁺ -P ₂ O ₅ ⁵⁺ -Na ₂ O glasses. Journal of Magnetism and Magnetic Materials, 2010, 322, 2018-2022.	1.0	27
81	High temperature deformation behavior of Al ²⁺ -Cu ²⁺ -Mg alloys micro-alloyed with Sn. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2498-2503.	2.6	58
82	Enhanced soft magnetic properties and magnetocaloric effect in B substituted amorphous Fe ²⁺ -Zr alloy ribbons. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 175, 253-260.	1.7	52
83	Apatite-forming ability and magnetic properties of glass-ceramics containing zinc ferrite and calcium sodium phosphate phases. Materials Science and Engineering C, 2010, 30, 1100-1106.	3.8	29
84	Influence of substrate absorption on accuracy of determination of refractive index and thickness of uniform thin chalcogenide Cu ₁ [As ₂ (S _{0.5} Se _{0.5}) ₃] ₉₉ film. Thin Solid Films, 2010, 518, 5679-5682.	0.8	1
85	Bioactivity of SiO ₂ ²⁺ -CaO ²⁺ -P ₂ O ₅ ⁵⁺ -Na ₂ O glasses containing zinc ²⁺ -iron oxide. Applied Surface Science, 2010, 256, 1725-1730.	3.1	42
86	Bioactivity of ferrimagnetic MgO ²⁺ -CaO ²⁺ -SiO ₂ ²⁺ -P ₂ O ₅ ⁵⁺ -Fe ₂ O ₃ glass-ceramics. Ceramics International, 2010, 36, 283-290.	2.3	57
87	Structural and Magnetic Studies on Nano-crystalline Biocompatible Glass ²⁺ -Glass-ceramic. AIP Conference Proceedings, 2010, , .	0.3	4
88	High temperature coercive field behavior of Fe ²⁺ -Zr powder. Journal of Applied Physics, 2009, 105, 07A306.	1.1	2
89	Evolution of atomic order and soft magnetism in mechanically alloyed nanocrystalline Fe ²⁺ -Si powders subjected to heat treatment. Journal Physics D: Applied Physics, 2009, 42, 105001.	1.3	7
90	Evaluation of CaO ²⁺ -SiO ₂ ²⁺ -P ₂ O ₅ ⁵⁺ -Na ₂ O ²⁺ -Fe ₂ O ₃ bioglass-ceramics for hyperthermia application. Journal of Materials Science: Materials in Medicine, 2009, 20, 147-151.	1.7	34

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91	Structural dependent thermal and optical properties of rare earth doped glass with mixed glass formers. <i>Optical Materials</i> , 2009, 31, 653-659.	1.7	28
92	EPR and magnetic properties of MgO-CaO-SiO ₂ -P ₂ O ₅ -CaF ₂ -Fe ₂ O ₃ glass-ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2749-2752.	1.0	19
93	Effect of Co or Mn addition on the soft magnetic properties of amorphous Fe ₈₉ xZr ₁₁ B _x (x=5, 10) alloy ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 4097-4102.	1.0	17
94	In vitro evaluation of bioactivity of CaO-SiO ₂ -P ₂ O ₅ -Na ₂ O-Fe ₂ O ₃ glasses. <i>Applied Surface Science</i> , 2009, 255, 6827-6831.	3.1	43
95	Mixing characterization of mechanically milled Fe ₇₅ Si ₁₅ M ₁₀ powders using Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2008, 184, 147-153.	0.2	3
96	Magnetic and structural properties of CaO-SiO ₂ -P ₂ O ₅ -Na ₂ O-Fe ₂ O ₃ glass ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1352-1356.	1.0	57
97	Structure and magnetic properties of nanocrystalline Fe ₇₅ Si ₂₅ powders prepared by mechanical alloying. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2780-2783.	1.0	49
98	Influence of iron ions on the magnetic properties of CaO-SiO ₂ -P ₂ O ₅ -Na ₂ O-Fe ₂ O ₃ glass-ceramics. <i>Solid State Communications</i> , 2008, 146, 25-29.	0.9	20
99	Microstructural Evolution and Hardening Behaviour of Cast and Heat-treated Ru-Al and Ru-Al-Ni alloys. <i>Metals and Materials International</i> , 2008, 14, 123-132.	1.8	5
100	High temperature magnetic properties of mechanically alloyed Fe-Zr powder. <i>Materials Letters</i> , 2008, 62, 2640-2642.	1.3	2
101	Magnetic properties of mechanically alloyed Fe _{100-x} Zr _x (20 ≤ x ≤ 35) powder. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 215003.	1.3	11
102	Structural, Kinetic And Magnetic Properties Of Mechanically Alloyed Fe-Zr Powders. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
103	Electron spin resonance and magnetic studies on CaO-SiO ₂ -P ₂ O ₅ -Na ₂ O-Fe ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3166-3170.	1.5	39
104	Influence of Annealing Temperature on the Properties of Co-Ni-Ga Ferromagnetic Shape Memory Alloy. <i>Advanced Materials Research</i> , 2008, 52, 63-68.	0.3	3
105	Co-Ni-Ga Alloys with Room Temperature Ferromagnetic Martensite Phase. <i>Advanced Materials Research</i> , 2008, 52, 95-101.	0.3	0
106	Microstructure and magnetic properties of nanocrystalline Fe ₇₅ Si ₂₀ M ₅ (M= Al, B, Cr) powders. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 165002.	1.3	4
107	Properties of Nanocrystalline Fe ₇₅ Si ₁₅ M ₁₀ (M=Cr and Al) Powders Prepared by Mechanical Alloying. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4314-4317.	0.9	3
108	Mixing characterization of mechanically milled Fe ₇₅ Si ₁₅ M ₁₀ powders using Mössbauer spectroscopy. , 2008, , 561-567.		0

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109	Single oscillator energy and dispersion energy of uniform thin chalcogenide films from Cu-As-S-Se system. Journal of Non-Crystalline Solids, 2007, 353, 1466-1469.	1.5	11
110	Structural analysis of mechanically alloyed nanocrystalline Fe ₇₅ Si ₁₅ Al ₁₀ powders. Materials Letters, 2007, 61, 824-826.	1.3	19
111	Synthesis of nano-crystalline RuAl by mechanical alloying. Metals and Materials International, 2007, 13, 293-302.	1.8	12
112	Electrical properties of V ₂ O ₅ -CaO-P ₂ O ₅ glasses exhibiting majority charge carrier reversal. Journal of Materials Science, 2005, 40, 5125-5131.	1.7	6
113	Electrical and optical studies on Pb-modified amorphous Ge-Se-Te films. Semiconductor Science and Technology, 2004, 19, 157-161.	1.0	11
114	Properties of spray coated (PbO) _x (CdO) _{1-x} thin films. Journal of Materials Science, 2004, 39, 7085-7087.	1.7	1
115	Preparation and characterization of ferromagnetic shape memory alloys. Journal of Materials Processing Technology, 2004, 153-154, 965-970.	3.1	2
116	Powder metallurgy processing of ruthenium aluminum alloys. Journal of Materials Processing Technology, 2004, 153-154, 952-957.	3.1	2
117	Optical band gap of Pb modified Ge-Se-Te glasses investigated by photoacoustic technique. Ceramics International, 2004, 30, 1711-1714.	2.3	9
118	Calorimetric study of the glass transition in V ₂ O ₅ -CaO-B ₂ O ₃ glasses. Journal of Materials Science Letters, 2003, 22, 733-734.	0.5	0
119	Differential scanning calorimeter studies on Pb modified Ge-Se-Te glasses. Journal of Materials Science, 2003, 38, 2511-2516.	1.7	10
120	Differential scanning calorimetry studies on V ₂ O ₅ -CaO-P ₂ O ₅ glasses. Materials Chemistry and Physics, 2003, 82, 887-891.	2.0	8
121	Microhardness of ternary vanadium pentoxide glasses. Materials Letters, 2003, 57, 3504-3507.	1.3	8
122	Low Temperature dc Electrical Conductivity of V ₂ O ₅ -SnO-TeO ₂ Glasses Exhibiting Majority Charge Carrier Reversal. Physica Status Solidi (B): Basic Research, 2002, 229, 1405-1411.	0.7	13
123	Hydroquinone aggregates as a thermoelectric switch. Reactive and Functional Polymers, 2000, 44, 201-205.	2.0	5
124	Optical and Thermal Diffusivity Measurement of Ge-Se-Te Glasses by Photoacoustic Technique. Physica Status Solidi (B): Basic Research, 1999, 212, 223-228.	0.7	8
125	Evidence for a supercooled plastic-crystal phase in solid ethanol. Physical Review B, 1996, 53, 8172-8175.	1.1	76
126	A Brillouin light-scattering investigation of the glass-transition in low molecular weight network glass-formers. Molecular Physics, 1996, 87, 1439-1457.	0.8	10

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127	Influence of the mechanical and chemical thresholds on the microhardness of ternary chalcogenide glasses. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 197, 343-348.	0.7	2
128	Composition Dependence of the Glass Transition in Ge-As-Se Glasses. <i>Physica Status Solidi (B): Basic Research</i> , 1995, 190, K23.	0.7	7
129	Deep inelastic neutron scattering as a tool for the investigation of glassy dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 189, 333-339.	0.9	25
130	Anomalous behaviour in the composition dependence of the photoacoustic properties of Si-As-Te glasses. <i>Journal of Non-Crystalline Solids</i> , 1993, 155, 267-272.	1.5	5
131	Observation of a threshold behavior in the optical band gap and thermal diffusivity of Ge-Sb-Se glasses. <i>Physical Review B</i> , 1992, 45, 8112-8115.	1.1	43
132	Photoacoustic investigations on the critical composition in Ge-As-Te glasses. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1992, 65, 99-106.	0.6	3
133	High-pressure studies on the critical composition in Ge-As-Te glasses. <i>Philosophical Magazine Letters</i> , 1992, 65, 249-253.	0.5	18
134	High Pressure Studies on Si-As-Te Glasses - Evidence for Rigidity Percolation. <i>Physica Status Solidi (B): Basic Research</i> , 1992, 170, K83.	0.7	2
135	Thermally induced transformations in Ge _x As _y Te _{100-x-y} glasses. <i>Journal of Materials Science</i> , 1992, 27, 4208-4210.	1.7	7
136	Chemical ordering in Si _x As _y Te _{100-x-y} glasses. <i>Journal of Materials Science Letters</i> , 1992, 11, 1698-1699.	0.5	2
137	Thermal diffusivity of IV-V-VI glasses - An evidence for the existence of a mechanical threshold. <i>Solid State Communications</i> , 1992, 83, 163-166.	0.9	4
138	Non-periodic tilings in 2-dimensions with 4, 6, 8, 10 and 12-fold symmetries. <i>Pramana - Journal of Physics</i> , 1989, 33, 405-420.	0.9	8
139	Non-periodic tilings in 2-dimensions: 4- and 7-fold symmetries. <i>Phase Transitions</i> , 1989, 16, 621-626.	0.6	1
140	A note on the observed anisotropy in linear compressibility and thermal expansion of quasicrystals. <i>Journal of Physics F: Metal Physics</i> , 1988, 18, L105-L107.	1.6	1
141	Structural Characterization of Co ₇₀ Ni _x Ga ₃₀ Ferromagnetic Shape Memory Alloys. <i>Advanced Materials Research</i> , 0, 52, 103-108.	0.3	5
142	Deformation Mechanism Maps for Al-Cu-Mg Alloys Micro-Alloyed with Tin. <i>Advanced Materials Research</i> , 0, 410, 283-286.	0.3	0
143	Comparative Study of ZnO Nanomaterials Synthesized by Green and Electrospinning Methods. <i>Journal of Nano Research</i> , 0, 72, 81-93.	0.8	2