Neeraj Mehta

List of Publications by Year
in descending order

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156	1,532	393982	476904
papers	citations	19	29
		h-index	g-index

159	159	159	773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glass forming ability and thermal stability of some Seâ€“Sb glassy alloys. Materials Research Bulletin, 2006, 41, 1664-1672.	2.7	98
2	Unique supramolecular assembly through Langmuir â€“ Blodgett (LB) technique. Heliyon, 2018, 4, e01038.	1.4	70
3	Effect of incorporation of different plasticizers on structural and ion transport properties of PVA-LiClO4 based electrolytes. Heliyon, 2018, 4, e00992.	1.4	54
4	Dielectric relaxation in Se80âˆ’xTe20Snx chalcogenide glasses. Journal of Materials Science, 2011, 46, 4509-4516.	1.7	51
5	Investigation of a.c. conductivity measurements in a-Se80Te20 and a-Se80Te10M10 (MÂ=ÂCd, in, Sb) alloys using correlated barrier hopping model. Current Applied Physics, 2012, 12, 405-412.	1.1	41
6	Study of dielectric relaxation and thermally activated a.c. conduction in lead containing topological glassy semiconductors. RSC Advances, 2017, 7, 19085-19097.	1.7	35
7	Comparative analysis of calorimetric studies in Se90M10 (M=In, Te, Sb) chalcogenide glasses. Journal of Thermal Analysis and Calorimetry, 2007, 87, 345-350.	2.0	32
8	Meyerâ€“Neldel rule in chalcogenide glasses: Recent observations and their consequences. Current Opinion in Solid State and Materials Science, 2010, 14, 95-106.	5.6	28
9	Studies of crystallization kinetics in a-Se80â€“xTe20Cdx and a-Se80â€“xTe20Gex alloys using D.C. conductivity measurements. Journal of Thermal Analysis and Calorimetry, 2006, 83, 669-673.	2.0	27
10	Dielectric relaxation and thermally activated a.c. conduction in (PVDF)/(rGO) nano-composites: role of rGO over different fillers. Journal of Materials Science: Materials in Electronics, 2018, 29, 18271-18281.	1.1	26
11	Calorimetric studies of glass transition phenomenon in glassy Se_{80â€™}_xTe₂₀Sn_x alloys. Physica Scripta, 2009, 80, 065602.	1.2	24
12	Effect of indium additive on glass-forming ability and thermal stability of Seâ€“Znâ€“Te chalcogenide glasses. Philosophical Magazine Letters, 2010, 90, 201-208.	0.5	24
13	Determination of density of defect states in glassy Se 98 M 2 (M = Ag, Cd and Sn) alloys using a.c. conductivity measurements. Measurement: Journal of the International Measurement Confederation, 2015, 75, 69-75.	2.5	23
14	Chemical bond approach to activation energy of crystallization in some Seâ€“Geâ€“M (M=Bi, In) chalcogenide glasses. Materials Letters, 2007, 61, 837-841.	1.3	22
15	Dependence of activation energy and pre-exponential factor on audio frequency in glassy Se80âˆ’xTe20Snx alloys. Journal of Alloys and Compounds, 2011, 509, 3468-3472.	2.8	22
16	A Chronological Overview of Phase-Change Materials. Reviews in Advanced Sciences and Engineering, 2015, 4, 173-182.	0.6	22
17	Thermal characterization of glassy Se70Te20M10using DSC technique. Journal of Materials Science, 2004, 39, 6433-6437.	1.7	20
18	Calorimetric studies of thermal crystallization in glassy Se_{80âˆ’x}Te₂₀Sn_x(0â©½xâ©½10) alloys. Physica Scripta, 2011, 83, 065602.	1.2	20

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19	Investigation of some thermo-mechanical and dielectric properties in multi-component chalcogenide glasses of Seâ€“Teâ€“Snâ€“Ag quaternary system. Journal of Alloys and Compounds, 2016, 658, 533-542.	2.8	20
20	Calorimetric studies of glass forming ability and thermal stability in a-Se80Te19.5M0.5(M = Ag, Cd, In,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.3	19
21	Observation of phase separation in some Seâ€“Teâ€“Ag chalcogenide glasses. Materials Chemistry and Physics, 2006, 96, 73-78.	2.0	19
22	Kinetic parameters of crystallization in glassy Se100-xSbxalloys. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 236-246.	0.8	18
23	A study of thermal crystallization in glassy Se80Te20 and Se80In20 using DSC technique. Journal of Thermal Analysis and Calorimetry, 2006, 83, 401-405.	2.0	18
24	Pre-exponential factor of Arrhenius equation for the isothermal crystallization of some Seâ€“Ge, Seâ€“In and Seâ€“Te chalcogenide glasses. Journal of Materials Science, 2007, 42, 490-494.	1.7	18
25	Recent Advances in Chalcogenide Glasses for Multifunctional Applications in Fiber Optics. Recent Patents on Materials Science, 2012, 6, 59-67.	0.5	18
26	Some New Observations on Activation Energy of Crystal Growth for Thermally Activated Crystallization. Journal of Physical Chemistry B, 2016, 120, 1175-1182.	1.2	17
27	Ground improvement using chemical methods: A review. Heliyon, 2021, 7, e07678.	1.4	17
28	Compensation effect in thermally activated photoconduction in amorphous thin films of Se75In25-xPbx alloys. Philosophical Magazine, 2008, 88, 61-70.	0.7	16
29	Study of dielectric relaxation and thermally activated a.c. conduction in glassy Se₇₀Te₃₀ and Se₇₀Te₂₈M₂ (MÂ=ÂAg, Zn and) Tj ETQq1 1 0.784314	1.6	16
30	Determination of specific heat in multi-component chalcogenide glasses of Seâ€“Teâ€“Snâ€“Pb system using modulated differential scanning calorimetry. Materials Letters, 2012, 86, 54-57.	1.3	15
31	Dielectric parameters in Se70Te30 and Se70Te28Zn2 chalcogenide glasses. Physica B: Condensed Matter, 2008, 403, 2910-2916.	1.3	14
32	On the glass transition phenomenon in Seâ€“Te and Seâ€“Ge based ternary chalcogenide glasses. Physica B: Condensed Matter, 2009, 404, 1835-1839.	1.3	14
33	Effect of some metallic additives (Ag, Cd, and Zn) on the crystallization kinetics of glassy Se70Te30 alloy. Materials Chemistry and Physics, 2011, 127, 208-213.	2.0	14
34	Comprehensive studies of temperature and frequency dependent dielectric and a.c. conducting parameters in third generation multi-component glasses. RSC Advances, 2018, 8, 25468-25479.	1.7	14
35	Analysis of physicochemical properties in covalent network chalcogenide glasses (ChGs): critical review of theoretical modeling of chemical bond approach. SN Applied Sciences, 2019, 1, 1.	1.5	14
36	Investigation of optical band-gap and related optical properties in thin-films of Ge containing Se-Te-Sn alloys. Journal of Non-Crystalline Solids, 2021, 551, 120399.	1.5	14

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37	Applicability of Meyerâ€“Neldel rule for isothermal crystallization in glassy Se70Te30â^'xSbx alloys. Materials Letters, 2006, 60, 725-729.	1.3	13
38	A.C. conduction in glassy Se70Te30â^'xSbxalloys: observation of Meyer-Neldel rule. EPJ Applied Physics, 2007, 37, 123-128.	0.3	12
39	Kinetic parameters of glass transition and crystallization for glassy Se and glassy Se98M2 (M=In, Sb) Tj ETQq1 1 0.784314 rgBT /Over	2.0	12
40	Observation of switching behavior in some multi-component glasses of Se-Te-Sn-Pb system. Materials Letters, 2016, 178, 178-180.	1.3	12
41	Studies of high field conduction and resistive switching in Se78-xTe20Sn2Gex (0 â‰¤ x â‰¤ 6) bulk glasses using current-voltage characteristics. Journal of Alloys and Compounds, 2019, 806, 660-667.	2.8	12
42	A.C. conduction in glassy Se68Ge22Cd10 alloy: Observation of MN rule. Materials Letters, 2007, 61, 3167-3170.	1.3	11
43	Study of thermo-mechanical properties in glassy Se and Se98M2 (M=In, Sb and Sn) alloys. Materials Letters, 2014, 121, 194-197.	1.3	11
44	Experimental studies of dielectric relaxation and thermally activated a.c. conduction in Se90Cd10â^'xSbx (2Â≤ÂxÂ≤Â8) chalcogenide glassy alloys using correlated barrier hopping model. Journal of Materials Science: Materials in Electronics, 2016, 27, 12036-12049.	1.1	11
45	Studies of dielectric relaxation and thermally activated a.c. conduction in Se78â€‰â^'â€‰xTe20Sn2Cdx (0â€‰â‰¤â€‰xâ€‰â‰¤â€‰2) chalcogenide glass. Journal of Materials Science: Materials in Electronics, 2017, 28, 5634-5644.	1.1	11
46	Signature of rigidity percolation effect in dielectric behavior of germanium containing multi-component chalcogenide glasses (ChGs). Ceramics International, 2019, 45, 16279-16287.	2.3	11
47	Study of electrical properties of glassy Se100- xTexalloys. Bulletin of Materials Science, 2005, 28, 579-583.	0.8	10
48	Calorimetric studies of crystallisation kinetics of Se75Te15â^'xCd10Inxmulti-component chalcogenide glasses using non-isothermal DSC. Philosophical Magazine Letters, 2010, 90, 547-557.	0.5	10
49	Iso-conversional kinetic study of non-isothermal crystallization in glassy Se98Ag2 alloy. Journal of Thermal Analysis and Calorimetry, 2012, 109, 247-253.	2.0	10
50	Calorimetric studies of crystallization for multi-component glasses of Seâ€“Teâ€“Snâ€“Ag (STSA) system using model-free and model-fitting non-isothermal methods. Journal of Thermal Analysis and Calorimetry, 2017, 128, 907-914.	2.0	10
51	Novel explanation for thermal analysis of glass transition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 247, 114378.	1.7	10
52	Synthesis and thermal characterization of novel phase change materials (PCMs) of the Seâ€“Teâ€“Snâ€“Ge (STSG) multi-component system: calorimetric studies of the glass/crystal phase transition. Dalton Transactions, 2019, 48, 4719-4729.	1.6	10
53	Glass transition kinetics of some Se-Te-Ag chalcogenide glasses. Journal of Thermal Analysis and Calorimetry, 2005, 82, 45-49.	2.0	9
54	Further MN rule for thermally activated high field conduction in bulk samples of glassy Se100â^'xSbx alloys. Vacuum, 2009, 83, 1169-1173.	1.6	9

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55	Laser-induced persistent photo-dielectric effects in Seâ€“Teâ€“Snâ€“Cd chalcogenide glassy semiconductors (STSC ChGs). Journal of Materials Chemistry C, 2018, 6, 2747-2759.	2.7	9
56	Molecular structure of Se-rich amorphous films. Progress in Solid State Chemistry, 2018, 49, 1-15.	3.9	9
57	Dielectric behavior of amorphous thin films of Seâ€“Teâ€“Sn-Ge system. Solid State Sciences, 2020, 104, 106289.	1.5	9
58	Kinematical Studies of Thermal Crystallization in Glassy Se_{78â€“<I>x</I>}Te₂₀Sn₂Bi<SUB><I>x</I> (0 â‰¤ <I>x</I> â‰¤ 6) Alloys. Journal of Advanced Physics, 2013, 2, 163-169.	0.4	8
59	Effect of Sb and Sn additives on the activation energies of glass transition and crystallization in binary Se85Te15alloy. Phase Transitions, 2009, 82, 43-51.	0.6	8
60	Study of thermally activated a.c. conduction in a-Se80Te20 and a-Se80Te19.5M0.5 (MÂ=ÂCd, In, Sb) alloys. Solid State Sciences, 2011, 13, 257-262.	1.5	8
61	Effect of some chemical modifiers on the glass/crystal transformation in binary Se90In10 alloy. Journal of Thermal Analysis and Calorimetry, 2011, 103, 903-909.	2.0	8
62	Thermal characterization of Se78 âˆ’ x Te20Sn2Pb x (0 â‰¤ x â‰¤ 6) glassies for phase change optical recording technique. Glass Physics and Chemistry, 2013, 39, 490-498.	0.2	8
63	Thermal analysis of cadmium addition on the glass transition and crystallization kinetics of Seâ€“Teâ€“Sn glassy network. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2491-2501.	2.0	8
64	Tuning of dielectric properties in Se78Te20Sn2 glass using UVâ€“Vis-IR lasers. Optical Materials, 2019, 95, 109198.	1.7	8
65	Thermal characterization of Se78Ge22and Se68Ge22M10(M=Cd, In, Pb) chalcogenide glasses. Philosophical Magazine, 2007, 87, 97-109.	0.7	7
66	Composition dependence of thermal stability, micro-hardness and compactness in glassy Se90In10âˆ’xGex alloys. Physica B: Condensed Matter, 2009, 404, 3761-3765.	1.3	7
67	Estimation of the density of defect states in glassy Se80âˆ’xTe20Snxalloys using ac conductivity measurements. Physica Scripta, 2011, 84, 015605.	1.2	7
68	Analysis of composition dependence of some thermal transport properties in glassy Se80âˆ’xTe20Snx (0â©½xâ©½10) alloys using transient plane source measurements. Measurement: Journal of the International Measurement Confederation, 2013, 46, 514-520.	2.5	7
69	Estimation of Density of Localized States in Amorphous Se80Te20 and Se80Te10M10 (MÂ=ÂCd, In, Sb) Alloys Using AC Conductivity Measurements. Journal of Electronic Materials, 2015, 44, 2585-2591.	1.0	7
70	Iso-conversional kinetic analysis of quaternary glass re-crystallization. Heliyon, 2017, 3, e00249.	1.4	7
71	Investigation of Some Physico-Chemical Properties in Multi-Component Seâ€“Teâ€“Snâ€“Sb (0 â‰¤ x â‰¤ 6) Quaternary Chalcogenide Glassy System. Glass Physics and Chemistry, 2018, 44, 542-550.	0.2	7
72	Correlation between threshold voltage and its pre-exponential factor in resistive switching. Materials Chemistry and Physics, 2020, 241, 122326.	2.0	7

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73	Some novel results of physical aging studies in glassy selenium. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 259, 114598.	1.7	7
74	Peculiarities of resistive switching in thin films of glassy SeTeSnGe system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 276, 115561.	1.7	7
75	Investigation of compensation effect for isothermal crystallization in glassy Se80â^'xTe20Mx(M = Cd,) Tj ETQq1 1 0.784314 rgBT /Ov	1.3	6
76	Electrical properties of Seâ€“Znâ€“In chalcogenide glasses. EPJ Applied Physics, 2009, 46, 20303.	0.3	6
77	Calorimetric studies of the glass transition phenomenon in glassy Se₇₅Te_{15â^'x}Cd₁₀In_xalloys using the non-isothermal DSC technique. Physica Scripta, 2010, 82, 045601.	1.2	6
78	Effect of some metallic additives (Ag, Cd, and Sn) on thermal transport properties of a-Se. Journal of Thermal Analysis and Calorimetry, 2012, 109, 915-920.	2.0	6
79	Calorimetric study of specific heat in glassy Seâ€“Teâ€“Snâ€“Bi system using MDSC technique: effect of Bi incorporation. Phase Transitions, 2013, 86, 971-976.	0.6	6
80	Iso-conversional approach for study of glass transition and crystallization kinetics of ternary glassy Se98â^'xAg2Inx (x=0, 2, 4, 6) system. Journal of Alloys and Compounds, 2014, 587, 565-572.	2.8	6
81	Crystallization kinetics and Avrami index of Sb-doped Seâ€“Teâ€“Sn chalcogenide glasses. Phase Transitions, 2018, 91, 490-502.	0.6	6
82	Laser-induced self-organization in Seâ€“Teâ€“Snâ€“Cd glassy semiconductor for developing novel light-sensing dielectrics. Progress in Natural Science: Materials International, 2019, 29, 541-548.	1.8	6
83	Investigations of crystallization kinetics of Se_{82-x}Te₁₈Sb_x (x =0,) Tj ETQq1 1 0.784314 rgBT /O	1.0	6
84	Correlation between glass forming tendency and rate of crystallization in glassy Se_{100â€“x}Te_x and Se_{100â€“x}In_x alloys. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3108-3115.	0.8	5
85	Comparative analysis of some thermo-physical properties of Se90Zn10 and Te90Zn10 alloys. Thermochimica Acta, 2008, 475, 80-82.	1.2	5
86	Amorphous to crystalline phase transition in glassy Se₆₅Te₂₀Ag₁₅alloy. Phase Transitions, 2009, 82, 75-86.	0.6	5
87	Co-relation between pre-exponential factor and activation energy of non-isothermal crystallization for virgin and irradiated Fe78B13Si9 metallic glass. Physica B: Condensed Matter, 2009, 404, 2184-2188.	1.3	5
88	Metal-induced effects on the glass transition kinetics of glassy Se₇₀Te₃₀alloy. Phase Transitions, 2011, 84, 1064-1074.	0.6	5
89	Observation of Dielectric Peaks in Glassy Se₇₀Te₂₀Sn₁₀ Alloy. Defect and Diffusion Forum, 2012, 329, 165-175.	0.4	5
90	Analysis of dielectric relaxation in glassy Se and Se₉₈M₂(M = Ag, Cd and Sn) alloys. EPJ Applied Physics, 2012, 59, 10101.	0.3	5

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91	Critical analysis of endo-thermal effect in the glass transition process in chalcogenide glasses. Journal of Non-Crystalline Solids, 2012, 358, 2783-2787.	1.5	5
92	Effect of Lead Incorporation on Some Thermo-Mechanical Properties of Glassy Se₇₈Te₂₀Sn₂ Alloy. Materials Focus, 2013, 2, 184-187.	0.4	5
93	Determination of kinetics parameters of glass transition in glassy Se and glassy Se98M2 alloys using DSC technique. Applied Physics A: Materials Science and Processing, 2014, 114, 597-603.	1.1	5
94	Thermal analysis for study of influence of Cd, In, and Sb on glass transition kinetics in glassy Se80Te20 alloy using DSC technique. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1273-1278.	2.0	5
95	Laser-induced effects on dielectric relaxation of multi-component Se76Te20Sn2Cd2 chalcogenide glass. Materials Chemistry and Physics, 2016, 178, 39-48.	2.0	5
96	Dielectric relaxation in glassy Se ₉₀ Cd ₆ In ₄. Electronics Letters, 2016, 52, 1548-1550.	0.5	5
97	Correlation between some thermo-mechanical and physico-chemical properties in multi-component glasses of Se-Te-Sn-Cd system. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	5
98	Effect of antimony on glass transition and thermal stability of Se78â^'xTe18Sn2Sbx (xâ€‰=â€‰0, 2, 4 and 6Âat.%) multicomponent glassy alloys. Journal of Thermal Analysis and Calorimetry, 2018, 134, 915-922.	2.0	5
99	Enhancement of polaron-hopping-based a.c. conduction in semiconducting STS (Seâ€“Teâ€“Sn) glass by silver incorporation. Dalton Transactions, 2018, 47, 10187-10194.	1.6	5
100	Characterization of novel SeTeSn Chalcogenide Glassy Alloy (STS ChGA) as shielding material: Case study of its resistance against Î³-ray irradiation for nuclear waste immobilization applications. Journal of Environmental Chemical Engineering, 2019, 7, 103032.	3.3	5
101	Pre-exponential factor for non-isothermal crystallization of glassy Se85â^'xTe15Sbx(0â‰¤xâ‰¤10) alloys. Philosophical Magazine, 2008, 88, 1411-1421.	0.7	4
102	Effect of ionic irradiation on the pre-exponential factor of thermally activated crystallization in Co66Si16B12Fe4Mo2 metallic glass. Journal of Physics and Chemistry of Solids, 2009, 70, 811-815.	1.9	4
103	Effect of in and Zn additives on some thermal properties of a-Se. Solid State Sciences, 2010, 12, 963-965.	1.5	4
104	Explanation of Meyerâ€“Neldel rule in the thermally activated a.c. conduction in some chalcogenide glasses using correlated barrier hopping model. Journal of Materials Science, 2012, 47, 6693-6698.	1.7	4
105	Iso-conversional analysis of glass transition and crystallization in as-synthesis high yield of glassy Se98Cd2 nanorods. Applied Nanoscience (Switzerland), 2013, 3, 271-280.	1.6	4
106	Composition dependence of specific heat in Se80 â^' x Te20Sn x chalcogenide glasses. Glass Physics and Chemistry, 2013, 39, 372-376.	0.2	4
107	Study of thermo-mechanical properties of a-Se80Te20 and a-Se80Te10M10 (M=Cd, In, Sb) alloys. Materials Letters, 2013, 99, 35-37.	1.3	4
108	Optical characterization of tin containing novel chalcogen rich glassy semiconductors. Optical and Quantum Electronics, 2018, 50, 1.	1.5	4

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109	Correlation between structural and thermodynamic properties of some selenium based phase-change materials. Journal of Physics and Chemistry of Solids, 2018, 115, 113-118.	1.9	4
110	Study of optical bandgap and other related optical properties in amorphous thin films of some optical materials of Se-Te-Sn-Ag system. Optics and Laser Technology, 2022, 150, 107985.	2.2	4
111	Investigation of the Meyer-Neldel rule for AC conduction in glassy Se100 â^' x Te x alloys. Glass Physics and Chemistry, 2008, 34, 42-46.	0.2	3
112	Composition dependence of the activation energy of the glass transition in some chalcogenide glasses. Philosophical Magazine Letters, 2008, 88, 793-800.	0.5	3
113	Effect of Zn incorporation on the a.c. conductivity of glassy Se70Te30alloy. EPJ Applied Physics, 2008, 44, 217-221.	0.3	3
114	Further MN rule in thermally activated a.c. conduction of Seâ€“Teâ€“Sb chalcogenide glasses. Vacuum, 2010, 84, 1176-1179.	1.6	3
115	Further Meyerâ€“Neldel Rule for Thermally Activated High Field Conduction in Thin Films of Glassy Se_{100â^'x}Sb_x Alloys. International Journal of Applied Glass Science, 2010, 1, 172-179.	1.0	3
116	Structural characterization of light-induced crystal growth in Se98Sb2 chalcogenide glass. Journal of Non-Crystalline Solids, 2012, 358, 776-781.	1.5	3
117	Study of zinc incorporation on the non-isothermal crystallization in glassy selenium using iso-conversional approach. Materials Letters, 2015, 138, 171-174.	1.3	3
118	Composition dependence of some thermo-physical properties of multi-component Se78â^'x Te20Sn2Bi x (0Ââ‰ÂxÂâ‰Â6) chalcogenide glasses. Journal of Materials Science, 2015, 50, 210-218.	1.7	3
119	Thermal analysis of specific heat measurements in glassy Se_{80â^'}_xTe₂₀Sb_xalloys in glass transition region. Phase Transitions, 2016, 89, 84-93.	0.6	3
120	Role of Bi incorporation on glass transition kinetics in glassy Se₇₈Te₂₀Sn₂ alloy. Phase Transitions, 2016, 89, 1103-1118.	0.6	3
121	Signature of Meyer-Neldel compensation rule in iso-conversional crystallization under the influence of I3-ray irradiation. Ceramics International, 2018, 44, 20827-20834.	2.3	3
122	A new approach for nano-structuring of glassy selenium (g-Se) using silver nanoparticles (AgNPs) as precursor. Materials Today Communications, 2021, 26, 101719.	0.9	3
123	Kinematics of glass to crystal phase transformation in novel multi-component glassy Seâ€“Teâ€“Snâ€“M (M) Tj ETQq1 1 0.784314 rg	0.9	3
124	Phenomenology of electrical switching behavior of SeTeSnCd thin films for memory applications. Journal of Non-Crystalline Solids, 2021, 571, 121025.	1.5	3
125	Comparative Analysis of Photo-Crystallization in a-Se 95 Te 5 and a-Se 95 In 5 Alloys. Chinese Physics Letters, 2006, 23, 3061-3064.	1.3	2
126	Effect of In additive on the photosensitivity of glassy Se80Te20alloy. Journal of Modern Optics, 2009, 56, 1272-1275.	0.6	2

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127	Poole-Frenkel photoconductivity in amorphous Se75Te20Sb5 thin films. Glass Physics and Chemistry, 2010, 36, 313-316.	0.2	2
128	Observation of Meyer-Neldel rule in thermally activated Poole-Frenkel photoconduction in a-Se70Te30â^'x Cd x thin films. Pramana - Journal of Physics, 2010, 74, 475-480.	0.9	2
129	Effect of lithium ion irradiation on the glass transition kinetics of Se98In2chalcogenide glass. Phase Transitions, 2010, 83, 1-9.	0.6	2
130	Theoretical prediction of some physical parameters in glassy Se₈₀Te₂₀and glassy Se₈₀Te₁₀M₁₀(M = Cd, In, Sb) alloys. EPJ Applied Physics, 2012, 59, 20102.	0.3	2
131	Effect of Sb incorporation on thermo-mechanical properties of amorphous Se-Te-Sn alloys. Materials Research Express, 2018, 5, 065206.	0.8	2
132	Effect of Sn content on some optical properties of Se90Pb10-x thin films. Optical Materials, 2020, 100, 109672.	1.7	2
133	Invariance of Meyer-Neldel compensation rule in thermally activated d.c. and a.c. conduction for as-prepared and aged glassy Selenium and As2Se3 glass. Solid State Sciences, 2021, 117, 106615.	1.5	2
134	Studies of low-temperature electrical measurements in some multicomponent selenium rich glassy alloys: Role of sliver modifier. Journal of Non-Crystalline Solids, 2022, 575, 121171.	1.5	2
135	Calorimetric study of thermal crystallization kinetics in Se_{78-x}Te₂₀Sn₂Pb_x(0Âa‰ÂxÂa‰Â6) alloys. EPJ Applied Physics, 2013, 62, 20106.	0.3	1
136	Thermal transport, thermomechanical, and dielectric properties of chalcogenide Se98â€"xAg2Inx (x = 0,) Tj ETQq0 0 0 rgBT /Overlock 10	0.4	1
137	Effect of laser irradiation on micro-hardness, compactness and Raman spectrum of glassy Se76Te20Sn2Cd2 alloy. Journal of Materials Research and Technology, 2018, 7, 39-44.	2.6	1
138	Effect of Ag andÎ³-ray irradiation on the specific heat of glass transition of Se₇₈Te₂₀Sn₂glassy alloy. Materials Research Express, 2019, 6, 095201.	0.8	1
139	Study of Metal-Induced Effects of Cd, Sb and Zn on d.c./a.c. Conduction and Photoconduction in Binary Se70Te30 Glass. Journal of Electronic Materials, 2020, 49, 861-868.	1.0	1
140	Crystallization kinetics of glassy Se90In10-xAgx alloys: Observation of Mayer-Neldel rule. Processing and Application of Ceramics, 2016, 10, 137-142.	0.4	1
141	Signature Of stiffness transition in electrical behaviour of Se-Te-Sn-Ge glassy alloys. Philosophical Magazine, 2021, 101, 2528-2540.	0.7	1
142	Composition dependence of thermo-dynamical and thermo-mechanical properties in SeTeSnGe chalcogenide glasses (ChGs). EPJ Applied Physics, 2020, 90, 31101.	0.3	1
143	Study of some thermo-mechanical parameters in Se70Te30-xMx (xÂ=Â0, 2; MÂ=ÂCd, Ag, and Zn) alloys. Chinese Journal of Physics, 2022, 77, 1123-1129.	2.0	1
144	Observation of compensation effect for isothermal crystallization in glassy Se80â^'x Ge20Inx and Se78â^'x Ge22Bix alloys. Russian Physics Journal, 2008, 51, 270-276.	0.2	0

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145	Effect of lithium-ion irradiation on the crystallization kinetics of glassy Se98In2. Philosophical Magazine Letters, 2009, 89, 126-135.	0.5	0
146	Observation of inverse Meyerâ€“Neldel rule in thermally activated crystallization of a hybrid composite of phenol formaldehyde. Philosophical Magazine, 2009, 89, 797-806.	0.7	0
147	Calorimetric studies of non-isothermal crystallization in amorphous Cu x Ti100â^'x alloys. Bulletin of Materials Science, 2011, 34, 1459-1463.	0.8	0
148	Effect of high energetic ionic irradiation in thermally activated crystallization of Co₆₆Si₁₅B₁₄Fe₄Ni₁metallic glass: observation of the MN rule. Radiation Effects and Defects in Solids, 2011, 166, 251-257.	0.4	0
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