

Netram Kaurav

List of Publications by Year in descending order

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145
papers

1,271
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304743

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145
all docs

145
docs citations

145
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and optical properties of PPO/PVP blended polymer film. Materials Today: Proceedings, 2022, 54, 620-623.	1.8	4
2	A-site substituted BiFeO ₃ ceramics: A study of structural and electrical properties. Materials Today: Proceedings, 2021, 46, 2335-2339.	1.8	1
3	A study of structural, optical and electrical studies of the composites of ZnFe ₂ O ₄ , BiFeO ₃ and GaFeO ₃ compounds. AIP Conference Proceedings, 2021, , .	0.4	2
4	Effect of pressure on structural and elastic properties of strontium oxide. AIP Conference Proceedings, 2021, , .	0.4	0
5	High-pressure structural phase-transition in BaSe _{1-x} S _x compounds. AIP Conference Proceedings, 2021, , .	0.4	0
6	Study of dielectric properties of non-stoichiometric nickel oxide. AIP Conference Proceedings, 2021, , .	0.4	0
7	Pressure dependent structural phase transition in iron silicide. AIP Conference Proceedings, 2021, , .	0.4	0
8	Synthesis, structural and optical properties of Cr-Doped nickel oxide (NiO). AIP Conference Proceedings, 2021, , .	0.4	0
9	Preparation and optical properties of nickel nanoparticles implanted carbon membranes. AIP Conference Proceedings, 2021, , .	0.4	1
10	Investigation of structural and optical properties of Fe ³⁺ ion substituted molybdenum oxide. AIP Conference Proceedings, 2021, , .	0.4	0
11	Composites of ZnFe ₂ O ₄ and GaFeO ₃ : Structural, optical bandgap and morphology studies. AIP Conference Proceedings, 2021, , .	0.4	1
12	Investigation of heat capacity in Nb doped nickel oxide. Materials Today: Proceedings, 2021, , .	1.8	0
13	Study of structural phase transition and elastic properties of ZnTe semiconducting compound under high pressure. Materials Today: Proceedings, 2021, , .	1.8	0
14	Influence of barium (Ba ²⁺) doping for Cu-Zn ferrites on structural and electrical properties. Materials Today: Proceedings, 2020, 30, 234-237.	1.8	2
15	Effect of pressure on structural and elastic properties of Scandium phosphide. AIP Conference Proceedings, 2020, , .	0.4	0
16	Structural phase transition and elastic properties of gallium phosphide semiconducting compound. AIP Conference Proceedings, 2020, , .	0.4	0
17	Barium (Ba ²⁺) doped Cu-Zn ferrite: Study of structural and optical properties. AIP Conference Proceedings, 2020, , .	0.4	3
18	Structural phase transition and elastic properties of molybdenum nitride. AIP Conference Proceedings, 2019, , .	0.4	0

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19	Synthesis and characterization of ZnO nanoparticles by thermal decomposition method. AIP Conference Proceedings, 2019, , .	0.4	0
20	Structural phase transition and elastic behavior of WN. AIP Conference Proceedings, 2019, , .	0.4	0
21	Theoretical analysis of the structural phase transition in alkaline earth oxides. AIP Conference Proceedings, 2019, , .	0.4	0
22	Comparative crystallographic study of La ₂ NiTiO ₆ double perovskite structure using crystallographic softwareâ€™s. AIP Conference Proceedings, 2019, , .	0.4	0
23	Temperature-dependent transport properties of a FeTe compound. Bulletin of Materials Science, 2019, 42, 1.	1.7	2
24	High pressure structural phase transition and elastic properties of ZnSexTe _{1-x} semiconducting compounds. International Journal of Modern Physics B, 2019, 33, 1950250.	2.0	0
25	Theoretical analysis of the structural phases of MnO under high pressure. AIP Conference Proceedings, 2019, , .	0.4	0
26	Structural and optical properties of La ₂ NiTiO ₆ double perovskite. AIP Conference Proceedings, 2019, , .	0.4	2
27	Structural phase transition in lithium bromide: Effect of pressure and temperature. AIP Conference Proceedings, 2019, , .	0.4	0
28	Structural and Raman analysis of double perovskite La ₂ CoTi _{0.7} Ni _{0.3} O ₆ . AIP Conference Proceedings, 2019, , .	0.4	3
29	Pressure dependent study of phase transition and elastic constant of KCl and KBr. AIP Conference Proceedings, 2019, , .	0.4	0
30	Measurement and Analysis of Normal-State Transport Properties of FeSe Superconductor. Journal of Low Temperature Physics, 2019, 196, 494-509.	1.4	3
31	Interpretation of Raman modes in FeTe and FeTe _{0.9} S _{0.1} compounds. AIP Conference Proceedings, 2019, , .	0.4	0
32	Development of an acetanilide/benzoic acid eutectic phase change material based thermal energy storage unit for a passive water heating system. Bulletin of Materials Science, 2019, 42, 1.	1.7	16
33	XRD and FTIR studies of zinc doped nickel oxide compounds. AIP Conference Proceedings, 2019, , .	0.4	0
34	Effect of sintering temperature on the dielectric properties of non-stoichiometric nickel oxide. AIP Conference Proceedings, 2019, , .	0.4	0
35	Preparation and characterization of double perovskite La ₂ CoTiO ₆ . AIP Conference Proceedings, 2018, , .	0.4	2
36	Raman analysis of non stoichiometric Ni _{1-x} O. AIP Conference Proceedings, 2018, , .	0.4	0

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37	The effect of stoichiometry on the structural, thermal and electronic properties of thermally decomposed nickel oxide. RSC Advances, 2018, 8, 5882-5890.	3.6	135
38	Enhancement in specific heat by nanocrystallization: Softening of phonon frequencies mechanism. International Journal of Modern Physics B, 2018, 32, 1850027.	2.0	4
39	Theoretical analysis of the structural phase transformation in the ZnO under high pressure. AIP Conference Proceedings, 2018, , .	0.4	0
40	B1 to B2 structural phase transition in LiF under pressure. AIP Conference Proceedings, 2018, , .	0.4	2
41	Size effect on thermoelectric properties of Bi ₂ Te ₃ nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	3
42	Structural stability and mechanical properties of technetium mononitride (TcN). AIP Conference Proceedings, 2018, , .	0.4	0
43	Theoretical analysis of the structural phase transformation from B3 to B1 in BeO under high pressure. AIP Conference Proceedings, 2018, , .	0.4	0
44	Pressure induced structural phase transition in metal nitrides: An effective interionic potential calculations. AIP Conference Proceedings, 2018, , .	0.4	1
45	Influence of sulfur doping on the electrical and thermal transport properties of FeTe _{1-x} S _x superconductors. Journal of Physics and Chemistry of Solids, 2018, 123, 254-259.	4.0	0
46	Seebeck Coefficient Measurement and Its Narrow Band Model Interpretation in FeTe _{0.5} Se _{0.5} Superconductor. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2671-2676.	1.8	1
47	Nano sized La ₂ Co ₂ O ₆ double perovskite synthesized by sol gel method. AIP Conference Proceedings, 2018, , .	0.4	1
48	Polaron formation in normal state optical conductivity of iron-based superconductor. AIP Conference Proceedings, 2018, , .	0.4	0
49	Investigation of transport properties of FeTe compound. AIP Conference Proceedings, 2018, , .	0.4	1
50	Pressure induced structural phase transition from NaCl-type (B1) to CsCl-type (B2) structure in sodium chloride. AIP Conference Proceedings, 2018, , .	0.4	2
51	Synthesis and characterization of Co nanoparticles. AIP Conference Proceedings, 2017, , .	0.4	1
52	Synthesis and thermogravimetric analysis of non-stoichiometric nickel oxide compounds. Journal of Physics: Conference Series, 2017, 836, 012040.	0.4	12
53	Quantum size effect on the heat capacity of nickel nanolattice. Applied Physics Letters, 2017, 111, .	3.3	7
54	Raman and X-ray diffraction studies of superconducting FeTe _{1-x} Se _x compounds. Journal of Physics: Conference Series, 2017, 836, 012046.	0.4	1

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55	Study of synthesis and optical properties of Cu nanoparticles. Journal of Physics: Conference Series, 2017, 836, 012032.	0.4	2
56	Theoretical approach to predict the phase transition of NaH under pressure. Journal of Physics: Conference Series, 2017, 836, 012035.	0.4	1
57	Role of iso-electronic Ru ⁵⁺ in thermal transport behavior of YMn _{1-x} Ru _x O ₃ compounds. Journal of Alloys and Compounds, 2016, 688, 280-287.	5.5	4
58	FT-IR and Zeta potential measurements on TiO nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	0
59	Synthesis and magnetic properties of nickel nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	5
60	Size-Induced Structural Phase Transition at ≈ 6.0 nm from Mixed fcc-hcp to Purely fcc Structure in Monodispersed Nickel Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 28354-28362.	3.1	26
61	Synthesis and antibacterial properties of copper nanoparticles for Salmonella typhi. AIP Conference Proceedings, 2016, , .	0.4	1
62	High pressure phase transition in group III nitrides compounds. AIP Conference Proceedings, 2016, , .	0.4	0
63	Ferromagnetic interactions in chromium (III) doped YMnO ₃ . AIP Conference Proceedings, 2016, , .	0.4	1
64	Structural and optical properties of nanostructured nickel. AIP Conference Proceedings, 2016, , .	0.4	2
65	Curie-Weiss behavior of Y _{1-x} Sr _x MnO ₃ (x = 0 and 0.03). AIP Conference Proceedings, 2015, , .	0.4	1
66	Interpretation of optical conductivity of zinc oxide nanowires. AIP Conference Proceedings, 2015, , .	0.4	0
67	Synthesis and optical properties of silver nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	2
68	Pressure induced structural phase transition in IB transition metal nitrides compounds. AIP Conference Proceedings, 2015, , .	0.4	0
69	Interpretation of thermal conductivity in LaFeAsO at low temperatures. AIP Conference Proceedings, 2015, , .	0.4	0
70	Triocetylphosphine as self-assembly inducer. Faraday Discussions, 2015, 181, 211-223.	3.2	14
71	OPTIMIZATION OF THERMOELECTRIC PROPERTIES BY Cu SUBSTITUTION IN LaCoO ₃ CERAMICS. International Journal of Modern Physics B, 2014, 28, 1450065.	2.0	2
72	Analysis of Thermal Conductivity of LaFeAsO at Low Temperature. Advanced Materials Research, 2014, 1047, 1-3.	0.3	0

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73	Size-dependent thermopower of nickel nanoparticles. AIP Conference Proceedings, 2014, , .	0.4	1
74	Critical roles of capping agents on the electrical resistivity of Ni nanoparticles. , 2014, , .		1
75	Interpretation of thermoelectric properties of Cu substituted LaCoO ₃ ceramics. , 2014, , .		0
76	Spin fluctuation and small polaron conduction dominated electrical resistivity in La _{0.875} Sr _{0.125} MnO ₃ manganite nanostructures. Bulletin of Materials Science, 2014, 37, 1095-1100.	1.7	2
77	Influence of surfactants on the electrical resistivity and thermopower of Ni nanoparticles. Materials Research Express, 2014, 1, 045014.	1.6	1
78	Naturally self-assembled nickel nanolattice. Journal of Materials Chemistry C, 2014, 2, 8918-8924.	5.5	23
79	Triethylphosphine and oleylamine induced thermoelectric power of Ag nanoparticles. Journal of Physics: Conference Series, 2014, 534, 012035.	0.4	1
80	Low temperature dielectric properties of YMn _[sub 0.95] Ru _[sub 0.05] O _[sub 3] . , 2013, , .		0
81	Electrical properties of strontium doped yttrium manganite oxide. AIP Conference Proceedings, 2013, , .	0.4	2
82	Structural and transport properties of orthorhombic GdMnO _[sub 3] . , 2013, , .		1
83	High-pressure phase transformation and elastic behavior of XC (X = Si, Ge, Sn and Pt) compounds. Physica Scripta, 2013, 88, 015604.	2.5	20
84	CaMoO _[sub 4] :Tb@Fe _[sub 3] O _[sub 4] hybrid nanoparticles for luminescence and hyperthermia applications. AIP Conference Proceedings, 2013, , .	0.4	4
85	Size effect on the pressure induced structural phase transition of the zinc sulfide nanoparticles. , 2012, , .		0
86	Analysis of heat transport in the iron oxyarsenide TbFeAsO _{0.85} . Journal of Physics: Conference Series, 2012, 365, 012025.	0.4	0
87	Interpretation of optical conductivity in normal state of Iron-Based Superconductors CeOFeAs. Journal of Physics: Conference Series, 2012, 365, 012027.	0.4	1
88	Pressure induced structural phase transition of XC (X = Si, Ge, Sn). Journal of Physics: Conference Series, 2012, 365, 012024.	0.4	0
89	Effect of Co-doping on the resistivity and thermopower of SmFe _{1-x} CoxAsO (0.0 ≤ x ≤ 0.3). AIP Advances, 2012, 2, 042137.	1.3	2
90	Influence of Ce doping on electrical and thermal properties of La _{0.7} ~xCe _x Ca _{0.3} MnO ₃ (0.0 ≤ x ≤ 0.7) manganites. Journal of Magnetism and Magnetic Materials, 2012, 324, 3276-3285.	2.3	22

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91	Dielectric, magnetic, and thermodynamic properties of $Y_{1-x}Sr_xMnO_3$ ($x=0.1$ and 0.2). Journal of Applied Physics, 2012, 112, .	2.5	35
92	Effects of A-site disorder on magnetic, electrical and thermal properties of $La_{0.5}Ln_{0.5}SrMnO_3$ manganites. Journal of Magnetism and Magnetic Materials, 2011, 323, 316-323.	2.3	22
93	Size-dependent resistivity and thermopower of nanocrystalline copper. Journal of Applied Physics, 2011, 110, 023713.	2.5	17
94	Electrical, Magnetic and Thermal Transport Behavior of Divalent-Tetravalent Doped $LaMnO_3$ Manganites. , 2011, , .		0
95	Spin Fluctuation Mechanism to Normal State Resistivity of Iron-Based Superconductors $La[O_{1-x}F_x]FeAs$. , 2011, , .		0
96	Anomalous Seebeck coefficient of the Na_xCoO_2 system. , 2011, , .		0
97	Thermal properties of $La_{2/3}Ba_{1/3}(Mn_{1-x}Sb_x)O_3$ manganites. Physica B: Condensed Matter, 2010, 405, 1-4.	2.7	24
98	Interpretation of thermoelectric power behaviour of Zinc nanowire composites: Phonon-scattering mechanism. Journal of Physics and Chemistry of Solids, 2010, 71, 47-50.	4.0	4
99	Enhancement in the thermoelectric performance by Y substitution on $SrSi_2$. Applied Physics Letters, 2009, 94, 192105.	3.3	28
100	Seebeck coefficient of $NaxCoO_2$: Measurements and a narrow-band model. Physical Review B, 2009, 79, .	3.2	29
101	EXPLANATION OF OPTICAL CONDUCTIVITY IN THE FERROMAGNETIC METALLIC STATE OF $La_{0.7}Ca_{0.3}MnO_3$ MANGANITES. Modern Physics Letters B, 2009, 23, 1085-1099.	1.9	0
102	Crystal structure and electronic and thermal properties of $TbFeAsO_{0.85}$. Applied Physics Letters, 2009, 94, 192507.	3.3	9
103	Structural phase transition (zincblende "rocksalt") and elastic properties in AlY ($Y=N, P$ and As) compounds: Pressure-induced effects. Journal of Physics and Chemistry of Solids, 2009, 70, 451-458.	4.0	33
104	Interpretation of Thermal Conductivity in the Ferromagnetic Metallic Phase of $La_{0.83}Sr_{0.17}MnO_3$ Manganites: Scattering of Phonons and Magnons. Journal of Low Temperature Physics, 2009, 155, 177-199.	1.4	10
105	Interpretation of optical conductivity in the ferromagnetic metallic state of $La_{0.7}Ca_{0.3}MnO_3$ manganites. Journal of Physics: Conference Series, 2009, 150, 042226.	0.4	0
106	Thermoelectric power of K_3C_{60} fullerides: Phonon drag and carrier diffusion contributions. Journal of Physics: Conference Series, 2009, 150, 052037.	0.4	0
107	Phase transformation and elastic behavior of MgX ($X=S, Se, Te$) alkaline earth chalcogenides. Journal of Physics and Chemistry of Solids, 2008, 69, 60-69.	4.0	39
108	Electrical and thermal properties of $Pr_{2/3}(Ba_{1-x}Cs_x)_{1/3}MnO_3$ manganites. European Physical Journal B, 2008, 65, 179-186.	1.5	28

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109	Transport properties of Ti-Zr-Ni quasicrystalline and glassy alloys. Journal of Applied Physics, 2008, 104, 063705.	2.5	12
110	Pressure induced structural phase transition and elastic behavior of Y and Sc antimonides. Journal of Alloys and Compounds, 2008, 448, 250-256.	5.5	26
111	Magnetotransport, thermoelectric power, thermal conductivity and specific heat of Pr ₂ /3Sr ₁ /3MnO ₃ manganite. Journal of Applied Physics, 2008, 104, .	2.5	17
112	High pressure structural (B1 \leftrightarrow B2) phase transition and elastic properties of II \leftrightarrow VI semiconducting Sr chalcogens. Computational Materials Science, 2008, 41, 529-537.	3.0	37
113	Pressure induced phase transition (B \leftrightarrow B ₂) and elastic properties in alkaline earth BaX (X=S, Se and Te) chalcogenides. Phase Transitions, 2008, 81, 1-16.	1.3	11
114	High-pressure structural phase transition and elastic properties of yttrium pnictides. High Pressure Research, 2008, 28, 651-663.	1.2	32
115	Pressure induced B3 \leftrightarrow B1 structural phase transformation and elastic properties of semi-magnetic semiconductors Zn _{1-x} MxSe (M = Mn, Fe and Cd). Journal of Physics Condensed Matter, 2008, 20, 075204.	1.8	19
116	HIGH-PRESSURE INDUCED STRUCTURAL PHASE TRANSITION AND ELASTIC PROPERTIES OF DILUTED MAGNETIC SEMICONDUCTORS Zn _{1-x} Mn _x Se. International Journal of Modern Physics B, 2008, 22, 2749-2767.	2.0	10
117	Pressure induced B3-B1 structural phase transition and elastic properties of monpnictides In _x X _{1-x} (X = N, P, As). Phase Transitions, 2008, 81, 525-535.	1.3	14
118	Electrical properties of A ²⁺ -B-site substituted Ni-deficient La(Ni _{0.6} Fe _{0.3})O ₃ perovskites with A=Ag ⁺ , Pb ²⁺ , Nd ³⁺ and B=Mn ³⁺ , Ga ³⁺ . Journal of Applied Physics, 2008, 103, 093716.	2.5	9
119	B1 \leftrightarrow B2 structural phase transition and elastic properties of UX (X = S, Se, and Te) compounds at high pressure. Journal of Physics Condensed Matter, 2007, 19, 236204.	1.8	38
120	The effect of Al/Si ratio on the transport properties of the layered intermetallic compound CaAl ₂ Si ₂ . Journal of Physics Condensed Matter, 2007, 19, 176206.	1.8	9
121	Pressure-induced B1 \leftrightarrow B2 structural phase transition and elastic properties of U _x La _{1-x} S solid solution. Journal of Physics Condensed Matter, 2007, 19, 346212.	1.8	10
122	Effect of electron/hole doping on the transport properties of lanthanum manganites LaMnO ₃ . Journal of Physics Condensed Matter, 2007, 19, 246211.	1.8	22
123	Explanation of non-linear in-plane electrical resistivity of YBa ₂ Cu ₄ O ₈ : electron-phonon approach. Journal of Physics: Conference Series, 2007, 92, 012075.	0.4	0
124	Interpretation of anomalies in thermal conductivity of Ba _{1-x} K _x BiO ₃ superconductors. Journal of Physics: Conference Series, 2007, 92, 012120.	0.4	1
125	Thermoelectric power of polycrystalline hole and electron doped manganites. Journal of Physics: Conference Series, 2007, 92, 012128.	0.4	1
126	Numerical Analysis of Heat Transport Behavior in the Ferromagnetic Metallic State of La _{0.80} Ca _{0.20} MnO ₃ Manganites. Journal of Low Temperature Physics, 2007, 147, 7-30.	1.4	10

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127	Analysis of Low Temperature Resistivity in the Ferromagnetic Metallic State of Pb-Doped Manganites. AIP Conference Proceedings, 2006, , .	0.4	0
128	High Pressure Structural Phase Transition and Elastic Properties of MgX (X = S, Se, Te) Semiconducting Compounds. Materials Research Society Symposia Proceedings, 2006, 987, 1.	0.1	0
129	LOW TEMPERATURE SPECIFIC HEAT ANALYSIS OF LaMnO ₃ + $\hat{1}$ MANGANITES. International Journal of Modern Physics B, 2006, 20, 4785-4797.	2.0	4
130	Study of Elastic Properties and Their Pressure Dependence of Semi Magnetic Semiconductors. Journal of the Physical Society of Japan, 2005, 74, 382-388.	1.6	35
131	Air toxics in ambient air of Delhi. Atmospheric Environment, 2005, 39, 59-71.	4.1	88
132	Pressure dependence of elastic properties of ZnX (X = Se,S and Te): Role of charge transfer. Bulletin of Materials Science, 2005, 28, 651-661.	1.7	15
133	Interpretation of Temperature-Dependent Resistivity of LaPbMnO ₃ : Role of Electron-Phonon Interaction. Journal of Low Temperature Physics, 2005, 141, 165-178.	1.4	16
134	Electrical transport in the normal state of K ₃ C ₆₀ fullerides: polaron conduction. Superconductor Science and Technology, 2005, 18, 1259-1265.	3.5	5
135	Study of elastic properties and their pressure dependence of lanthanum monochalcogenides. High Pressure Research, 2005, 25, 145-157.	1.2	31
136	Role of vibrational optical phonons in the heat capacity of K ₃ C ₆₀ . Synthetic Metals, 2005, 155, 380-383.	3.9	1
137	Electrical resistivity in the ferromagnetic metallic state of La-Ca-MnO ₃ : Role of electron-phonon interaction. European Physical Journal B, 2004, 40, 129-136.	1.5	23
138	High pressure phase transition and variation of elastic constants of diluted magnetic semiconductors. Physica Status Solidi (B): Basic Research, 2004, 241, 3374-3380.	1.5	13
139	Structural phase transition in lanthanum monochalcogenides induced by hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3179-3184.	1.5	26
140	Structural phase transition and elastic properties of ZnSe at high pressure. Phase Transitions, 2004, 77, 1075-1091.	1.3	45
141	Analysis of low temperature specific heat in the ferromagnetic state of the Ca-doped manganites. European Physical Journal B, 2003, 37, 301-309.	1.5	24
142	High pressure phase transition and elastic properties of thorium chalcogenides. Journal of Physics and Chemistry of Solids, 2002, 63, 821-826.	4.0	28
143	Transport Properties of Hexagonal YMn _{0.9} Ru _{0.1} O ₃ Compound. Advanced Materials Research, 0, 1047, 151-154.	0.3	2
144	Structural and Thermal Properties of YMn _{1-x} Ru _x O ₃ . Advanced Materials Research, 0, 975, 69-72.	0.3	0

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145	Stoichiometric and Nonstoichiometric Compounds. , 0, , .		4