Partha P Jana

List of Publications by Year
in descending order

61 papers	604 citations	759190 12 h-index	677123 22 g-index
67 all docs	67 docs citations	67 times ranked	605 citing authors

#	Article	IF	Citations
1	Valence fluctuation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ce</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Ising-type magnetic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	3.2	6
2	Hydrogen storage properties of ternary ordered cubic Laves phase Cu3Cd2In: Electronic structure and bonding approach. Journal of Solid State Chemistry, 2022, 312, 123223.	2.9	3
3	Crystal structure, electronic structure and phase stability of the Cu2-xMxCd (M=Zn, Ga, Ge, Sn) pseudo-binary Laves phases: effect of valence electron concentration. Journal of Solid State Chemistry, 2022, 313, 123283.	2.9	3
4	Ultralow Lattice Thermal Conductivity at Room Temperature in Cu 4 TiSe 4. Angewandte Chemie, 2021, 133, 9188-9195.	2.0	2
5	Ultralow Lattice Thermal Conductivity at Room Temperature in Cu₄TiSe₄. Angewandte Chemie - International Edition, 2021, 60, 9106-9113.	13.8	24
6	Electrochemical phase evolution of tetradymite-type Bi2Te3 in lithium, sodium and potassium ion half cells. Journal of Alloys and Compounds, 2021, 854, 155621.	5.5	20
7	Synthesis, crystal structures, phase width and electrochemical performances of Î³-brass type phases in Cuâ€“Znâ€“Sn system. Journal of Alloys and Compounds, 2021, 855, 157372.	5.5	4
8	Intercalates of Bi₂Se₃ studied in situ by time-resolved powder X-ray diffraction and neutron diffraction. Dalton Transactions, 2021, 50, 11376-11379.	3.3	3
9	A partly disordered 2ÂÃ—Â2ÂÃ—Â2Âå€“ superstructure of Î³-brass related phase in Mnâ€“Niâ€“Zn system. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 71-80.	0.8	2
10	Synthesis, Crystal Structure, Electronic Structure, and Catalytic Properties of Ni 3 GaSb. European Journal of Inorganic Chemistry, 2021, 2021, 1410-1418.	2.0	3
11	A Vacancy-Driven Intermetallic Phase: Rh₃Cd_{5â^Î´} (Î´ â‰¤ 0.56). Inorganic Chemistry, 2021, 60, 5488-5496.	4.0	7
12	Site preference, atomic ordering, electronic structure and chemical bonding of A3Pd5 (A= Mg, Al, Ga): First principles study. Solid State Sciences, 2021, 113, 106544.	3.2	3
13	Site preference and atomic ordering in the ternary Rh₅Ga₂As: first-principles calculations. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 147-154.	0.8	2
14	The structural evolution of tetradymite-type Sb2Te3 in alkali ion batteries. Journal of Alloys and Compounds, 2021, 871, 159378.	5.5	4
15	The phase evolution of tetradymite-type bismuth selenide in alkali ion batteries. Journal of Solid State Chemistry, 2021, 300, 122241.	2.9	2
16	Structure and Spin-Glass Magnetism of the MnxNi2Zn11â€“x Pseudobinary Î³-Brasses at Low Mn Contents. Inorganic Chemistry, 2021, 60, 12226-12236.	4.0	5
17	The Î³-brass type Cuâ€“rich complex intermetallic phase Cu41Sn11: Structure and electrochemical study. Solid State Sciences, 2021, 119, 106682.	3.2	2
18	Hydrogen storage properties of hexagonal C14 Laves phase Cu2Cd: A DFT study. Journal of Solid State Chemistry, 2021, 304, 122560.	2.9	7

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19	Formation and stability of Rh₂Cd₅ and its strucural correlation with RhCd and Rh₃Cd_{5â^'Î´} (Î´ â^¼ 0.56). Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, .	0.8	1
20	Electrochemical alloying/dealloying mechanism of ternary intermetallic Cu6-ÎŽZn2+ÎŽSb2 (Î´ = 0 and 1) as anode for Li-ion and Na-ion batteries. Journal of Solid State Chemistry, 2020, 292, 121660.	2.9	8
21	Unusual crystallographic ordering of two neighbouring elements - Cd and In in Cd2Cu3In, the first example in ternary Laves phase. Journal of Alloys and Compounds, 2020, 844, 156054.	5.5	6
22	Chemical substitution of Zn in the structure of ordered Cu6Zn2Sb2: A structural and theoretical study. Solid State Sciences, 2020, 107, 106333.	3.2	5
23	Site preference and atomic ordering in the structure of In3Pd5: AÂtheoretical study. Journal of Solid State Chemistry, 2020, 290, 121567.	2.9	2
24	Formation of Î³-brass type pseudo-binary Ni2Zn11-4ÎŽXÎŽ (0â‰ÎŽâ‰~0.13) (X = In and Ga) by an exchange mechanism. Journal of Solid State Chemistry, 2020, 289, 121465.	2.9	4
25	Crystal structures of two very similar 2â€…Ã—â€…2â€…Ã—â€…2 superstructures of Î³-brass-related phases in ternary Irâ€“Cdâ€“Cu system. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 47-55.	1.1	2
26	Î³-Brass type structures with I- and P-cell in the ternary Cuâ€“Znâ€“In system. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 591-597.	0.8	2
27	Structure and stability of Î³₁-AuZn_{2.1}: a Î³-brass-related complex phase in the Auâ€“Zn System. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 1109-1116.	1.1	0
28	Structure and stability of Au3M5 (Mâ€¯=â€¯Mg, Cd). Journal of Solid State Chemistry, 2019, 274, 215-221.	2.9	1
29	A new descendant of the Î³-brass family in the zinc rich Ni-Zn-In system. Journal of Alloys and Compounds, 2019, 786, 225-231.	5.5	1
30	Thermoelectric transport investigations on Cd/In substituted Î²-Zn4Sb3 compounds. Materials Today Communications, 2018, 14, 128-134.	1.9	8
31	Atomic Ordering of Two Neighboring Transition Metalsâ€”Cu and Zn from Binary CuZn to Ternary Cu3ZnSb. Inorganic Chemistry, 2018, 57, 11970-11977.	4.0	7
32	Asymmetric Supercapacitor Based on Chemically Coupled Hybrid Material of Fe₂O₃â€Fe₃O₄ Heterostructure and Nitrogenâ€Doped Reduced Graphene Oxide. ChemElectroChem, 2018, 5, 2348-2356.	3.4	40
33	Synthesis, crystal structure and electronic structure of the binary phase Rh2Cd5. Journal of Solid State Chemistry, 2017, 246, 302-308.	2.9	5
34	RhCd9+Î´ (â^'1.18â‰ÎŽâ‰0.29) a Î³-brass related cubic giant cell structure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 611-617.	0.8	3
35	Thermoelectric properties of Se and Zn/Cd/Sn double substituted Co₄Sb₁₂ skutterudite compounds. Physical Chemistry Chemical Physics, 2017, 19, 28116-28126.	2.8	10
36	Tuned thermoelectric transport properties of Co2.0Sb1.6Se2.4 and Co2.0Sb1.5M0.1Se2.4 (M=Zn, Sn): Compounds with high phonon scattering. Journal of Alloys and Compounds, 2017, 729, 303-312.	5.5	5

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37	Rh8Cd43: A rhombohedral variant of a cubic giant cell structure. Journal of Alloys and Compounds, 2017, 695, 3760-3766.	5.5	5
38	Co-crystallization of Keggin type polyoxometalates [HL]3[PW12O40] and [Ln(DMF)8][PW12O40] (Ln=La,) Tj ETQq0 0 0 rgBT /Overlock properties. Polyhedron, 2016, 104, 58-62.	2.2	10
39	Lanthanide(<scp>iii</scp>) morpholine 4-dithiocarbamate complexes: Pr(<scp>iii</scp>) derivative shows first example of polymeric lanthanide(<scp>iii</scp>) dithiocarbamate. RSC Advances, 2015, 5, 62167-62172.	3.6	15
40	Variation in crystalline architectures through supramolecular interactions in copper(II) complexes with tridentate N₂O donor Schiff bases. Journal of Coordination Chemistry, 2015, 68, 2520-2538.	2.2	8
41	Synthesis, structure, magnetic property and self-assembly of two double end-on azide bridged ferromagnetic nickel(II) complexes with distinct bidentate blocking ligands: A combined experimental and theoretical study. Polyhedron, 2015, 101, 257-269.	2.2	17
42	Microporous Laâ€“Metalâ€“Organic Framework (MOF) with Large Surface Area. Chemistry - A European Journal, 2015, 21, 2789-2792.	3.3	39
43	AuCd₄: A Humeâ€“Rothery Phase with VEC of 1.8 and Icosahedral and Trigonal-Prismatic Clusters as Building Blocks. Inorganic Chemistry, 2015, 54, 713-721.	4.0	9
44	A combined experimental and computational study of supramolecular assemblies in ternary copper(<scp>ii</scp>) complexes with a tetradentate N₄donor Schiff base and halides. RSC Advances, 2014, 4, 58643-58651.	3.6	29
45	Mononuclear complexes and a coordination polymer of the 2-pyridylamino (NH2Py) functionalized P(v) ligand. RSC Advances, 2014, 4, 26902.	3.6	2
46	CrZn17+Î´ (â^'0.75â©½Î´â©½2.00): A partly disordered complex intermetallic compound. Journal of Alloys and Compounds, 2014, 610, 55-61.	5.5	10
47	Anion mediated diversity in the nuclearity of nickel(II) complexes with a N2O donor Schiff base: Formation of a supra-molecular chain via Brâ‹¯Br interactions. Polyhedron, 2014, 78, 40-45.	2.2	40
48	Incommensurately Modulated Î´â€²-Au_{1+x}Cd_{2â€“x} Formed by an Unquenchable Phase Transformation from the Î³-Brass Î´â€²-Phase. Inorganic Chemistry, 2013, 52, 12980-12985.	4.0	6
49	Au10Mo4Zn89: A Fully Ordered Complex Intermetallic Compound Analyzed by TOPOS. Inorganic Chemistry, 2013, 52, 11110-11117.	4.0	10
50	Structures of NiCd6+Î´ (â^'0.32 â‰¤ Î´ â‰¤ 0.35) â€“ a Î³-brass related phase, and NiCd1+Î´ (0 â‰¤ Î´ â‰¤ 0.05) â€“ a Ti2Ni type phase in the nickelâ€“cadmium system. CrystEngComm, 2013, 15, 745-753.	2.6	11
51	Trinuclear nickelâ€“lanthanide compounds. Dalton Transactions, 2013, 42, 2445-2450.	3.3	13
52	Structure Determination of Î³â€²-Brassâ€“Related Composite Structures in the Niâ€“Zn System: A Guided Tour by a (3+1)â€“Dimensional Space Description. European Journal of Inorganic Chemistry, 2013, 2013, 91-98.	2.0	8
53	Pd2Cd11â^' (0.21â‰¤Î´â‰¤0.51)â€“a partly disordered Î³-brass type phase and Pd0.238Cd0.762-a Î³-brass related incommensurate phase in the palladiumâ€“cadmium system. Journal of Solid State Chemistry, 2013, 201, 244-249.	2.9	11
54	Site Preference and Ordering Induced by Au Substitution in the Î³-Brass Related Complex Auâ€“Crâ€“Zn Phases. Inorganic Chemistry, 2013, 52, 4812-4818.	4.0	8

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55	Structural Impact of Platinum on the Incommensurably Modulated Î³-Brass Related Composite Structure Pd15Zn54. Inorganic Chemistry, 2012, 51, 9893-9901.	4.0	6
56	Anion mediated diversity in the H-bonded assembly of a series of heteronuclear copper(II)/sodium(I) compounds. Inorganica Chimica Acta, 2012, 390, 53-60.	2.4	48
57	Unique example of a T3(2)4(2)3(2)6(2) water tape containing acetateâ€“water hybrid hexamer in a heterometallic schiff base complex host. Inorganic Chemistry Communication, 2012, 18, 50-56.	3.9	37
58	Synthesis and characterisation of two double EE azido and thiocyanato bridged dimeric Cu(II) complexes with tridentate Schiff bases as blocking ligands. Polyhedron, 2012, 37, 21-26.	2.2	37
59	Reduction of Î±,Î²-unsaturated carbonyl compounds by palladium(II) and nickel(II) complexes having nitrogen-containing ligands. Journal of Molecular Catalysis A, 2008, 289, 57-60.	4.8	10
60	Temperatureâ€induced phase transition in Cu4TiSe4. European Journal of Inorganic Chemistry, 0, , .	2.0	3
61	Structural and Theoretical Investigations on the Unique Coloring Scheme of the Î³â€Brass Type Phase: Cu _{5+Î´} Cd _{8â€Î´} (â^'1.0â‰¤Î´â‰¤0.1). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	0