Catalin Popescu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers1,684
citations23
h-index36
g-index109
ext. papers2,156
ext. citations4.7
avg, IF4.76
L-index

#	Paper	IF	Citations
102	Structure, mechanical properties and nanocrystallization of (FeCoCrNi)-(B,Si) high-entropy metallic glasses. <i>Intermetallics</i> , 2022 , 141, 107432	3.5	1
101	Pressure-Induced Phase Transition and Band Gap Decrease in Semiconducting ECuVO <i>Inorganic Chemistry</i> , 2022 ,	5.1	2
100	An Investigation of the Pressure-Induced Structural Phase Transition of Nanocrystalline £CuMoO4. <i>Crystals</i> , 2022 , 12, 365	2.3	1
99	Phase Transitions of BiVO4 under High Pressure and High Temperature. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 7755-7763	3.8	2
98	Phase stability and dense polymorph of the BaCa(CO) barytocalcite carbonate <i>Scientific Reports</i> , 2022 , 12, 7413	4.9	1
97	Mid-mantle water transportation implied by the electrical and seismic properties of FeOOH. <i>Science Bulletin</i> , 2021 ,	10.6	2
96	High-Pressure Spectroscopy Study of Zn(IO3)2 Using Far-Infrared Synchrotron Radiation. <i>Crystals</i> , 2021 , 11, 34	2.3	2
95	Pressure-induced order-disorder transitions in EnS: an experimental and theoretical study of structural and vibrational properties. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 23625-23642	3.6	0
94	Coexistence of structural and magnetic phases in van der Waals magnet Crl. <i>Nature Communications</i> , 2021 , 12, 6265	17.4	4
93	Crystal Structure of BaCa(CO) Alstonite Carbonate and Its Phase Stability upon Compression <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1130-1139	3.2	7
92	Unveiling the Structural Behavior under Pressure of Filled MCoSb (M = K, Sr, La, Ce, and Yb) Thermoelectric Skutterudites. <i>Inorganic Chemistry</i> , 2021 , 60, 7413-7421	5.1	2
91	Compressibility and Phase Stability of Iron-Rich Ankerite. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 607	2.4	3
90	Transition path to a dense efficient-packed post-delafossite phase. Crystal structure and evolution of the chemical bonding. <i>Journal of Alloys and Compounds</i> , 2021 , 867, 159012	5.7	O
89	GdBO3 and YBO3 crystals under compression. <i>Journal of Alloys and Compounds</i> , 2021 , 866, 158962	5.7	0
88	Experimental and theoretical study of dense YBO3 and the influence of non-hydrostaticity. <i>Journal of Alloys and Compounds</i> , 2021 , 850, 156562	5.7	5
87	Structural, vibrational and electronic properties of #GaS under compression. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 6841-6862	3.6	3
86	Linker depletion for missing cluster defects in non-UiO metal-organic frameworks. <i>Chemical Science</i> , 2021 , 12, 11839-11844	9.4	2

(2020-2021)

Controlling the molecular diffusion in MOFs with the acidity of monocarboxylate modulators. <i>Dalton Transactions</i> , 2021 , 50, 11291-11299	4.3	1	
Structural and High-Pressure Properties of Rheniite (ReS2) and (Re,Mo)S2. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 207	2.4	5	
The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. <i>Journal of Physics Condensed Matter</i> , 2021 ,	1.8	5	
Structural and vibrational study of Zn(IO3)2 combining high-pressure experiments and density-functional theory. <i>Physical Review B</i> , 2021 , 103,	3.3	5	
Giant and Reversible Barocaloric Effect in Trinuclear Spin-Crossover Complex Fe (bntrz) (tcnset). <i>Advanced Materials</i> , 2021 , 33, e2008076	24	19	
Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO3)2. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17448-17461	3.8	O	
Electronic properties and high-pressure behavior of wolframite-type CoWO4. <i>Materials Advances</i> , 2021 , 2, 5955-5966	3.3	5	
Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of EbbO. <i>Dalton Transactions</i> , 2021 , 50, 5493-5505	4.3	2	
Comparative study of the high-pressure behavior of ZnV2O6, Zn2V2O7, and Zn3V2O8. <i>Journal of Alloys and Compounds</i> , 2020 , 837, 155505	5.7	15	
Structural and vibrational behavior of cubic Cu1.80(3)Se cuprous selenide, berzelianite, under compression. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 154646	5.7	O	
Pressure-induced instability of the fergusonite phase of EuNbO4 studied by in situ Raman spectroscopy, x-ray diffraction, and photoluminescence spectroscopy. <i>Journal of Applied Physics</i> , 2020 , 127, 175905	2.5	6	
Crystal Structure, Lattice Dynamics, and Thermodynamic Properties of a Thermoelectric Orthorhombic BaCu2Se2 Compound. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13627-13638	3.8	4	
Phase Behavior of TmVO under Hydrostatic Compression: An Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2020 , 59, 4882-4894	5.1	5	
Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. <i>Inorganic Chemistry</i> , 2020 , 59, 9900-9918	5.1	11	
Structural and Lattice-Dynamical Properties of TbO under Compression: A Comparative Study with Rare Earth and Related Sesquioxides. <i>Inorganic Chemistry</i> , 2020 , 59, 9648-9666	5.1	9	
First-Order Isostructural Phase Transition Induced by High Pressure in Fe(IO3)3. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 8669-8679	3.8	11	
PrVO under High Pressure: Effects on Structural, Optical, and Electrical Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 18325-18337	5.1	3	
The high-pressure, high-temperature phase diagram of cerium. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 335401	1.8	2	
	Dalton Transactions, 2021, 50, 11291-11299 Structural and High-Pressure Properties of Rheniite (ReS2) and (Re,Mo)S2. Minerals (Basel, Switzerland), 2021, 11, 207 The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. Journal of Physics Condensed Matter, 2021, Structural and vibrational study of Zn(IO3)2 combining high-pressure experiments and density-functional theory. Physical Review B, 2021, 103, Giant and Reversible Barocaloric Effect in Trinuclear Spin-Crossover Complex Fe (bntrz) (tcnset). Advanced Materials, 2021, 33, e2008076 Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO3)2. Journal of Physical Chemistry C, 2021, 125, 17448-17461 Electronic properties and high-pressure behavior of wolframite-type CoWO4. Materials Advances, 2021, 2, 5955-5966 Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of EbO. Dalton Transactions, 2021, 50, 5493-5505 Comparative study of the high-pressure behavior of ZnV2O6, Zn2V2O7, and Zn3V2O8. Journal of Alloys and Compounds, 2020, 837, 155505 Structural and vibrational behavior of cubic Cu1.80(3)Se cuprous selenide, berzelianite, under compression. Journal of Alloys and Compounds, 2020, 830, 154646 Pressure-induced instability of the fergusonite phase of EuNbO4 studied by in situ Raman spectroscopy, x-ray diffraction, and photoluminescence spectroscopy. Journal of Applied Physics, 2020, 127, 175905 Crystal Structure, Lattice Dynamics, and Thermodynamic Properties of a Thermoelectric Orthorhombic BaCu2Se2 Compound. Journal of Physical Chemistry, C, 2020, 124, 13627-13638 Phase Behavior of TmvO under Hydrostatic Compression: An Experimental and Theoretical Study. Inorganic Chemistry, 2020, 59, 4882-4894 Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. Inorganic Chemistry, 2020, 59, 9900-9918 Structural and Lattice-Dynamical Properties of TbO under Compression: A Comparative Study with Rare Earth and Related Sesquioxides. Inorganic Chemistry, 2020, 5	Structural and High-Pressure Properties of Rheniite (Re52) and (Re,Mo)S2. Minerals (Basel, Switzerland), 2021, 11, 207 The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. Journal of Physics Condensed Matter, 2021, Structural and vibrational study of Zn(IO3)2 combining high-pressure experiments and density-functional theory. Physical Review B, 2021, 103, Giant and Reversible Barocaloric Effect in Trinuclear Spin-Crossover Complex Fe (bntr2) (tcnset). Advanced Materials, 2021, 33, e2008076 Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO3)2. Journal of Physical Chemistry C, 2021, 125, 17448-17461 Electronic properties and high-pressure behavior of wolframite-type CoWO4. Materials Advances, 2021, 2, 5955-5966 Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of 8500. Dalton Transactions, 2021, 50, 5493-5505 Comparative study of the high-pressure behavior of ZnV2O6, Zn2V2O7, and Zn3V2O8. Journal of Alloys and Compounds, 2020, 837, 155505 Structural and vibrational behavior of cubic Cu1.80(3)Se cuprous selenide, berzelianite, under compression. Journal of Alloys and Compounds, 2020, 830, 154646 Pressure-induced instability of the fergusonite phase of EuNbO4 studied by in situ Raman spectroscopy, x-ray diffraction, and photoluminescence spectroscopy. Journal of Applied Physics, 22020, 127, 175905 Crystal Structure, Lattice Dynamics, and Thermodynamic Properties of a Thermoelectric Orthorhombic BaCu2Se2 Compound. Journal of Physical Chemistry G, 2020, 124, 13627-13638 Phase Behavior of TmVO under Hydrostatic Compression: An Experimental and Theoretical Study. Inorganic Chemistry, 2020, 59, 9804-9918 Structural and Lattice-Dynamical Properties of TbO under Compression: A Comparative Study with Rare Earth and Related Sesquioxides. Inorganic Chemistry, 2020, 59, 9848-9666 First-Order Isostructural Phase Transition Induced by High Pressure in Fe(IO3)3. Journal of Physical Chemistry, 2020, 59, 18325-18337 The high-pressure, high-te	Structural and High-Pressure Properties of Rheniite (ReS2) and (Re,Mo)S2. Minerals (Basel, Switzerland), 2021, 11, 207 The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. Journal of Physics Condensed Matter, 2021, The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. Journal of Physics 2.8 Structural and vibrational study of Zn(IO3)2 combining high-pressure experiments and density-functional theory. Physical Review B, 2021, 103. Giant and Reversible Barocaloric Effect in Trinuclear Spin-Crossover Complex Fe (bntrz) (tcnset). Advanced Materials, 2021, 33, e2008076 Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO3)2. Journal of Physical Chemistry C, 2021, 125, 17448-17461 Electronic properties and high-pressure behavior of wolframite-type CoWO4. Materials Advances, 2021, 2, 5955-5966 Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of Ebbo. Dalton Transactions, 2021, 50, 5493-5505 Comparative study of the high-pressure behavior of ZnVZO6, ZnZVZO7, and Zn3VZO8. Journal of Alloys and Compounds, 2020, 837, 155505 Structural and vibrational behavior of cubic Cu1.80(3)Se cuprous selenide, berzelianite, under compression. Journal of Alloys and Compounds, 2020, 830, 154646 Pressure-induced instability of the fergusonite phase of EuNbO4 studied by in situ Raman spectroscopy, x-ray diffraction, and photoluminescence spectroscopy. Journal of Applied Physics, 2020, 127, 175905 Crystal Structura, Lattice Dynamics, and Thermodynamic Properties of a Thermoelectric Orthorhombic BaCu2Se2 Compound. Journal of Physical Chemistry, C 2020, 124, 13627-13638 4.0 Phase Behavior of TmVO under Hydrostatic Compression: An Experimental and Theoretical Study. Inorganic Chemistry, 2020, 59, 4882-4894 Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. Journal of Physical Chemistry, 2020, 59, 9489-94894 Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. I

67	Orpiment under compression: metavalent bonding at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3352-3369	3.6	14
66	Experimental and Theoretical Study of SbPO under Compression. <i>Inorganic Chemistry</i> , 2020 , 59, 287-30	75.1	9
65	Pressure and Temperature Effects on Low-Density Mg3Ca(CO3)4 Huntite Carbonate. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 1077-1087	3.8	7
64	Phase Stability of Natural Ni0.75Mg0.22Ca0.03CO3 Gaspeite Mineral at High Pressure and Temperature. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19781-19792	3.8	6
63	High-pressure polymorphs of gadolinium orthovanadate: X-ray diffraction, Raman spectroscopy, and ab initio calculations. <i>Physical Review B</i> , 2019 , 100,	3.3	9
62	Post-tilleyite, a dense calcium silicate-carbonate phase. <i>Scientific Reports</i> , 2019 , 9, 7898	4.9	11
61	Colossal barocaloric effects near room temperature in plastic crystals of neopentylglycol. <i>Nature Communications</i> , 2019 , 10, 1803	17.4	78
60	Pressure-Induced Hexagonal to Monoclinic Phase Transition of Partially Hydrated CePO. <i>Inorganic Chemistry</i> , 2019 , 58, 4480-4490	5.1	5
59	Structural Characterization of Aurophilic Gold(I) Iodide under High Pressure. <i>Inorganic Chemistry</i> , 2019 , 58, 10665-10670	5.1	9
58	Insights into Polymorphism of Lithium Manganese Oxide, Li0.95Mn2.05O4: A Comprehensive Survey of the High-Pressure Properties. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19288-19297	3.8	1
57	Phase stability and electronic structure of iridium metal at the megabar range. <i>Scientific Reports</i> , 2019 , 9, 8940	4.9	7
56	Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. <i>Scientific Reports</i> , 2019 , 9, 14459	4.9	2
55	Giant barocaloric effect in all-d-metal Heusler shape memory alloys. <i>Physical Review Materials</i> , 2019 , 3,	3.2	27
54	Monoclinic-tetragonal-monoclinic phase transitions in EuBiVO under pressure. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 485401	1.8	7
53	Characterization of Flux-Grown SmxNd1 \square VO4 Compounds and High-Pressure Behavior for x = 0.5. Journal of Physical Chemistry C, 2019 , 123, 30732-30745	3.8	4
52	LiCrO2 Under Pressure: In-Situ Structural and Vibrational Studies. <i>Crystals</i> , 2019 , 9, 2	2.3	4
51	Experimental and Theoretical Study of Bi2O2Se Under Compression. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8853-8867	3.8	32
50	Effect of High Pressure on the Crystal Structure and Vibrational Properties of Olivine-Type LiNiPO. <i>Inorganic Chemistry</i> , 2018 , 57, 10265-10276	5.1	15

(2016-2018)

49	An Ultrahigh CO-Loaded Silicalite-1 Zeolite: Structural Stability and Physical Properties at High Pressures and Temperatures. <i>Inorganic Chemistry</i> , 2018 , 57, 6447-6455	5.1	13
48	High-pressure/high-temperature phase diagram of zinc. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 295402	1.8	16
47	Stability of FeVO under Pressure: An X-ray Diffraction and First-Principles Study. <i>Inorganic Chemistry</i> , 2018 , 57, 7860-7876	5.1	17
46	Phase diagram of calcium at high pressure and high temperature. <i>Physical Review Materials</i> , 2018 , 2,	3.2	17
45	Structural Behavior of Natural Silicate-Carbonate Spurrite Mineral, Ca(SiO)(CO), under High-Pressure, High-Temperature Conditions. <i>Inorganic Chemistry</i> , 2018 , 57, 98-105	5.1	11
44	Stability and nature of the volume collapse of FeO under extreme conditions. <i>Nature Communications</i> , 2018 , 9, 4554	17.4	19
43	Equation of State and Amorphization of CaR(VO) (R = La, Nd, Gd): A Combined High-Pressure X-ray Diffraction and Raman Spectroscopy Study. <i>Inorganic Chemistry</i> , 2018 , 57, 13115-13127	5.1	4
42	High-Pressure High-Temperature Stability and Thermal Equation of State of Zircon-Type Erbium Vanadate. <i>Inorganic Chemistry</i> , 2018 , 57, 14005-14012	5.1	10
41	Peptide metal-organic frameworks under pressure: flexible linkers for cooperative compression. <i>Dalton Transactions</i> , 2018 , 47, 10654-10659	4.3	25
40	Compressibility and structural behavior of pure and Fe-doped SnO 2 nanocrystals. <i>Solid State Sciences</i> , 2017 , 64, 91-98	3.4	11
39	Structural and vibrational properties of corundum-type InO nanocrystals under compression. <i>Nanotechnology</i> , 2017 , 28, 205701	3.4	8
38	Pressure-Driven Isostructural Phase Transition in InNbO: In Situ Experimental and Theoretical Investigations. <i>Inorganic Chemistry</i> , 2017 , 56, 5420-5430	5.1	24
37	Structural Evolution of CO2-Filled Pure Silica LTA Zeolite under High-Pressure High-Temperature Conditions. <i>Chemistry of Materials</i> , 2017 , 29, 4502-4510	9.6	16
36	Stability of the fergusonite phase in GdNbO4 by high pressure XRD and Raman experiments. <i>Journal of Solid State Chemistry</i> , 2017 , 251, 14-18	3.3	10
35	Experimental and theoretical high pressure study of calcium hydroxyaluminate phases. <i>Cement and Concrete Research</i> , 2017 , 97, 1-10	10.3	6
34	Ambient-temperature high-pressure-induced ferroelectric phase transition in CaMnTi2O6. <i>Physical Review B</i> , 2017 , 96,	3.3	12
33	Pressure Impact on the Stability and Distortion of the Crystal Structure of CeScO. <i>Inorganic Chemistry</i> , 2017 , 56, 8363-8371	5.1	12
32	Structural, vibrational, and electrical study of compressed BiTeBr. <i>Physical Review B</i> , 2016 , 93,	3.3	19

31	Pressure-induced phase transition and band-gap collapse in the wide-band-gap semiconductor InTaO4. <i>Physical Review B</i> , 2016 , 93,	3.3	27
30	Ordered helium trapping and bonding in compressed arsenolite: Synthesis of As4O612He. <i>Physical Review B</i> , 2016 , 93,	3.3	23
29	Characterization of competing distortions in YFe2O4. Physical Review B, 2016, 93,	3.3	3
28	Arsenolite: a quasi-hydrostatic solid pressure-transmitting medium. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 475403	1.8	3
27	Structural and electrical study of the topological insulator SnBi2Te4 at high pressure. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 962-970	5.7	19
26	Pressure-induced phase transformation in zircon-type orthovanadate SmVO4 from experiment and theory. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 035402	1.8	18
25	Phase Stability of Lanthanum Orthovanadate at High Pressure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13749-13762	3.8	36
24	Structural, Vibrational, and Electronic Study of Sb2S3 at High Pressure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 10547-10558	3.8	52
23	High-Pressure Crystal Structure, Lattice Vibrations, and Band Structure of BiSbO4. <i>Inorganic Chemistry</i> , 2016 , 55, 4958-69	5.1	47
22	Thallium under extreme compression. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 445401	1.8	25
21	Structural, Vibrational, and Electronic Study of #As2Te3 under Compression. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19340-19352	3.8	28
20	Crystal Structure of Sinhalite MgAlBO4 under High Pressure. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6777-6784	3.8	4
19	Exploring the high-pressure behavior of the three known polymorphs of BiPO4: Discovery of a new polymorph. <i>Journal of Applied Physics</i> , 2015 , 117, 105902	2.5	49
18	The crystallography stations at the Alba synchrotron. European Physical Journal Plus, 2015 , 130, 1	3.1	76
17	High-pressure transformation in the cobalt spinel ferrites. <i>Journal of Solid State Chemistry</i> , 2015 , 221, 173-177	3.3	8
16	Synthesis and High-Pressure Study of Corundum-Type In2O3. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29076-29087	3.8	16
15	Compressibility and structural stability of nanocrystalline TiO2 anatase synthesized from freeze-dried precursors. <i>Inorganic Chemistry</i> , 2014 , 53, 11598-603	5.1	27
14	Pbca-Type In2O3: The High-Pressure Post-Corundum phase at Room Temperature <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20545-20552	3.8	24

LIST OF PUBLICATIONS

13	Isostructural Second-Order Phase Transition of EBi2O3 at High Pressures: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23189-23201	3.8	50	
12	Structural and Vibrational Properties of CdAl2S4 under High Pressure: Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15363-15374	3.8	6	
11	A new microporous zeolitic silicoborate (ITQ-52) with interconnected small and medium pores. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3342-5	16.4	49	
10	Compressibility Systematics of Calcite-Type Borates: An Experimental and Theoretical Structural Study on ABO3 (A = Al, Sc, Fe, and In). <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4354-4361	3.8	19	
9	Structural and Vibrational Study of Pseudocubic CdIn2Se4under Compression. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26987-26999	3.8	7	
8	High-pressure structural behaviour of HoVO4: combined XRD experiments and ab initio calculations. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 265402	1.8	47	
7	In situ high-pressure synchrotron X-ray diffraction study of the structural stability in NdVO4 and LaVO4. <i>Materials Research Bulletin</i> , 2014 , 50, 279-284	5.1	49	
6	Structural study of ⊞i2O3 under pressure. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 475402	1.8	27	
5	New polymorph of InVO4: a high-pressure structure with six-coordinated vanadium. <i>Inorganic Chemistry</i> , 2013 , 52, 12790-8	5.1	51	
4	The new Material Science Powder Diffraction beamline at ALBA Synchrotron. <i>Powder Diffraction</i> , 2013 , 28, S360-S370	1.8	240	
3	Pressure effect and Mn doping in NaxCoO2. Journal of Applied Physics, 2012, 112, 053503	2.5	3	
2	EXAFS study of layered cobaltates under pressure. <i>Physical Review B</i> , 2011 , 84,	3.3	3	
1	Laboratory set-up for X-ray diffraction at high pressures. <i>High Pressure Research</i> , 2011 , 31, 611-619	1.6	2	