Ivan Ivanov

List of Publications by Year in descending order

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36 papers	436 citations	759233 12 h-index	794594 19 g-index
37 all docs	37 docs citations	37 times ranked	488 citing authors

#	Article	IF	Citations
1	Defect-Induced Properties and Thermodynamics of La_{0.5}Ba_{0.5}CoO_{3â€“Î´}. Journal of the Electrochemical Society, 2022, 169, 024511.	2.9	1
2	Chemical lattice strain in nonstoichiometric oxides: an overview. Journal of Materials Chemistry A, 2022, 10, 6351-6375.	10.3	25
3	Defect structure and redox energetics of NdBaCo2O6-Î´. Solid State Ionics, 2021, 361, 115549.	2.7	6
4	Phase equilibria in the YFeO₃ â€“ YÐ¡oO₃ system in air. Chimica Techno Acta, 2021, 8, 20218108.	0.7	1
5	Defect chemistry and high-temperature thermodynamics of PrBaCo2O6-Î´. Journal of Chemical Thermodynamics, 2021, 161, 106523.	2.0	4
6	Redox Thermochemistry, Thermodynamics, and Solar Energy Conversion and Storage Capability of Some Double Perovskite Cobaltites. Inorganic Chemistry, 2021, 60, 18141-18153.	4.0	8
7	Crystal structure and high-temperature thermodynamic properties of Pr-doped barium zirconates, BaZr1â€“Pr O3 (x = 0.1, 0.5). Journal of Physics and Chemistry of Solids, 2020, 147, 109613.	4.0	5
8	Hydration-induced chemical expansion of BaCa(1+y)/3Nb(2â^'y)/3O3â^'Î´â^™xH2O (BCN) and other proton-conducting perovskite oxides. Solid State Ionics, 2020, 358, 115516.	2.7	6
9	Crucial Role of Water in the Mechanosynthesis of CsPbI 3 and Other ABX 3 Halides. Chemistry - A European Journal, 2020, 26, 12549-12552.	3.3	5
10	New phase transition in CsPbBr3. Materials Letters, 2020, 278, 128458.	2.6	20
11	The origin of triple conductivity and water uptake in layered double perovskites: A case study on lanthanum-substituted GdBaCo2O6â^'Î´. Journal of Alloys and Compounds, 2020, 845, 156309.	5.5	11
12	Thermodynamics of BaCa(1â€‰+â€‰y)/3Nb(2â€‰â^'â€‰y)/3O3â€‰â^'â€‰Î´Â·xH2O proton-conducting perovskites. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1989-2001.	3.6	2
13	Redox energetics and enthalpy increments of GdBaCo2O6-Î´. Thermochimica Acta, 2020, 686, 178562.	2.7	5
14	Formation Thermodynamics, Stability, and Decomposition Pathways of CsPbX₃ (X = Cl, Br,) Tj ETQq0 0 0 rgBT /Overlock 10	3.1	26
15	Thermodynamics of formation of solid solutions between BaZrO₃ and BaPrO₃. Chimica Techno Acta, 2020, 7, 42-50.	0.7	5
16	Thermoelectric Behavior of BaZr0.9Y0.1O3â^'d Proton Conducting Electrolyte. Membranes, 2019, 9, 120.	3.0	9
17	PrBaCo2O6â^'Î´-Ce0.8Sm0.2O1.9 Composite Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells: Stability and Cation Interdiffusion. Energies, 2019, 12, 417.	3.1	17
18	Double perovskites REBaCo_{2â^'x}M_xO_{6â^'Î´} (RE=La, Pr, Nd, Eu, Gd, Y;) Tj ETQq0 0 0 rgBT /Overlock	1.9	14

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19	Red-Ox Energetics and Holes Trapping in Yttrium-Substituted Barium Zirconate BaZr_{0.9}Y_{0.1}O_{2.95}. Journal of the Electrochemical Society, 2019, 166, F232-F238.	2.9	8
20	Vapor pressure of methylammonium halides. Part II: Vapor pressure and standard entropy of methylammonium bromide. Thermochimica Acta, 2019, 674, 58-62.	2.7	5
21	Interplay between chemical strain, defects and ordering in Sr1-xLaxFeO3 materials. Acta Materialia, 2019, 162, 33-45.	7.9	13
22	Thermodynamics of formation of hybrid perovskite-type methylammonium lead halides. Journal of Chemical Thermodynamics, 2018, 116, 253-258.	2.0	54
23	In Situ and ex Situ Study of Cubic La_{0.5}Ba_{0.5}CoO_{3â˜Î´} to Double Perovskite LaBaCo₂O_{6â˜Î´} Transition and Formation of Domain Textured Phases with Fast Oxygen Exchange Capability. Inorganic Chemistry, 2018, 57, 12409-12416.	4.0	10
24	Thermodynamic stability, oxygen content, defect structure and related properties of YBaCo4â˜xZnxO7+Î´ (x = 0â€“3) oxides. Solid State Ionics, 2017, 309, 92-99.	2.7	4
25	Vapor pressure of methylammonium halides. Part I: Setup verification and vapor pressure of methylammonium chloride. Thermochimica Acta, 2017, 658, 24-30.	2.7	5
26	Mechano-Chemical Coupling in Double Perovskites as Energy Related Materials. ECS Transactions, 2016, 72, 21-35.	0.5	12
27	The defect structure and chemical lattice strain of the double perovskites Sr2BMoO6â˜Î´ (B = Mg, Fe). Dalton Transactions, 2016, 45, 12906-12913.	3.3	12
28	Oxygen content, cobalt oxide exsolution and defect structure of the double perovskite PrBaCo₂O_{6â˜Î´}. Journal of Materials Chemistry A, 2016, 4, 1962-1969.	10.3	25
29	Oxygen nonstoichiometry, defect structure and related properties of LaNi_{0.6}Fe_{0.4}O_{3â˜Î´}. Journal of Materials Chemistry A, 2015, 3, 6028-6037.	10.3	21
30	PrBaCo2O6-Â - Ce0.8Sm0.2O1.9 Composite Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. ECS Transactions, 2015, 68, 965-976.	0.5	2
31	Oxygen content, crystal structure and chemical expansion of PrBaCo_{2â˜x}Fe_xO_{6â˜Î´} double perovskites. Dalton Transactions, 2014, 43, 11862-11866.	3.3	26
32	Oxygen content and thermodynamics of formation of double perovskites REBaCo2O6â˜ (RE = Gd, Pr). Thermochimica Acta, 2014, 578, 28-32.	2.7	12
33	Crystal structure and oxygen content of the double perovskites GdBaCo2â˜Fe O6â˜Î´. Journal of Solid State Chemistry, 2013, 199, 154-159.	2.9	22
34	Oxygen nonstoichiometry, crystal and defect structure of the double perovskite GdBaCo1.8Fe0.2O6â˜Î´. Solid State Ionics, 2012, 218, 13-17.	2.7	12
35	The crystal structure and oxygen nonstoichiometry of layered perovskites GdBaCo2 â˜ x Fe x O6 â˜ Î´ (x) Tj ETQq1 1 0.784314 rgBT /O	0.4	1
36	Thermodynamics of formation of double perovskites GdBaCo2â˜M O6â˜ (M = Fe, Mn; x= 0, 0.2). Thermochimica Acta, 2011, 519, 12-15.	2.7	22